

Vale S.A.
Form 6-K
February 26, 2014
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**United States
Securities and Exchange Commission**

Washington, D.C. 20549

FORM 6-K

**Report of Foreign Private Issuer
Pursuant to Rule 13a-16 or 15d-16
of the
Securities Exchange Act of 1934**

For the month of

February, 2014

Vale S.A.

**Avenida Graça Aranha, No. 26
20030-900 Rio de Janeiro, RJ, Brazil**

(Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

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(Check One) Form 20-F Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1)

(Check One) Yes No

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7)

(Check One) Yes No

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

(Check One) Yes No

If Yes is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b). 82- .

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Financial Statements

December 31, 2013

BR GAAP

Filed with the CVM, SEC and HKEx on

February 26, 2014

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(A free translation of the original in Portuguese)

Vale S.A.

Financial statements at

December 31, 2013

and independent auditor's report

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(A free translation of the original in Portuguese)

Independent auditor's report

To the Board of Directors and Stockholders

Vale S.A.

We have audited the accompanying financial statements of Vale S.A. (Parent Company), which comprise the balance sheet as at December 31, 2013 and the statements of income, comprehensive income, changes in equity and cash flows for the year then ended, and a summary of significant accounting policies and other explanatory information.

We have also audited the accompanying consolidated financial statements of Vale S.A. and its subsidiaries (Consolidated), which comprise the consolidated balance sheet as at December 31, 2013 and the consolidated statements of income, comprehensive income, changes in equity and cash flows for the year then ended, and a summary of significant accounting policies and other explanatory information.

Management's responsibility for the financial statements

Management is responsible for the preparation and fair presentation of the Parent Company financial statements in accordance with accounting practices adopted in Brazil, and for the Consolidated financial statements in accordance with the International Financial Reporting Standards (IFRS) issued by the International Accounting Standards Board (IASB) and accounting practices adopted in Brazil and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor s responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with Brazilian and International Standards on Auditing. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor s judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error.

In making those risk assessments, the auditor considers internal control relevant to the entity s preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity s internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

PricewaterhouseCoopers, Av. José Silva de Azevedo Neto 200, 1º e 2º, Torre Evolution IV, Barra da Tijuca, Rio de Janeiro, RJ, Brasil 22775-056

T: (21) 3232-6112, F: (21) 3232-6113, www.pwc.com/br

PricewaterhouseCoopers, Rua da Candelária 65, 20º, Rio de Janeiro, RJ, Brasil 20091-020, Caixa Postal 949,

T: (21) 3232-6112, F: (21) 2516-6319, www.pwc.com/br

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We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion on the Parent Company financial statements

In our opinion, the Parent Company financial statements referred to above present fairly, in all material respects, the financial position of Vale S.A. as at December 31, 2013, and its financial performance and its cash flows for the year then ended, in accordance with accounting practices adopted in Brazil.

Opinion on the Consolidated financial statements

In our opinion, the Consolidated financial statements referred to above present fairly, in all material respects, the financial position of Vale S.A. and its subsidiaries as at December 31, 2013, and their financial performance and their cash flows for the year then ended, in accordance with the International Financial Reporting Standards (IFRS) issued by the International Accounting Standards Board (IASB) and accounting practices adopted in Brazil.

Emphasis of matter

As discussed in Note 2 to these financial statements, the Parent Company financial statements have been prepared in accordance with accounting practices adopted in Brazil. In the case of Vale S.A., these practices differ from IFRS applicable to separate financial statements only in relation to the measurement of investments in subsidiaries, associates and jointly-controlled entities based on equity accounting, while IFRS requires measurement based on cost or fair value. Our opinion is not qualified in respect of this matter.

As discussed in Note 6 to the financial statements, the Company changed the manner in which it accounts for employee benefits in 2013. Our opinion is not qualified in respect of this matter.

Other matters

Supplementary information - statements of value added

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We have also audited the Parent Company and Consolidated statements of value added for the year ended December 31, 2013, which are the responsibility of the Company's management. The presentation of these statements is required by the Brazilian corporate legislation for listed companies, but they are considered supplementary information for IFRS. These statements were subject to the same audit procedures described above and, in our opinion, are fairly presented, in all material respects, in relation to the financial statements taken as a whole.

Rio de Janeiro, February 26, 2014

PricewaterhouseCoopers

Auditores Independentes

CRC 2SP000160/O-5 F RJ

João César de Oliveira Lima Júnior

Contador CRC 1RJ077431/O-8

Table of Contents**Balance Sheet**

In millions of Brazilian Reais

| | Notes | December 31, 2013 | Consolidated December 31, 2012 | January 1, 2012 | December 31, 2013 | Parent Company December 31, 2012 | January 1, 2012 |
|--|-------|----------------------|--------------------------------------|--------------------|----------------------|--|--------------------|
| Assets | | | | | | | |
| Current assets | | | | | | | |
| Cash and cash equivalents | 9 | 12,465 | 11,918 | 6,593 | 3,635 | 688 | 575 |
| Short-term investments | | 8 | 506 | | 8 | 43 | |
| Derivatives financial instruments | 25 | 471 | 575 | 1,112 | 378 | 500 | 574 |
| Accounts receivable | 10 | 13,360 | 13,885 | 15,889 | 14,167 | 21,839 | 15,809 |
| Related parties | 32 | 611 | 786 | 154 | 1,684 | 1,347 | 2,561 |
| Inventories | 11 | 9,662 | 10,320 | 9,833 | 3,287 | 3,283 | 3,183 |
| Prepaid income taxes | | 5,563 | 1,472 | 868 | 4,629 | 168 | 169 |
| Recoverable taxes | 12 | 3,698 | 3,148 | 3,308 | 2,295 | 1,903 | 2,148 |
| Advances to suppliers | | 292 | 523 | 733 | 130 | 242 | 382 |
| Others | | 2,151 | 1,973 | 1,646 | 898 | 574 | 183 |
| | | 48,281 | 45,106 | 40,136 | 31,111 | 30,587 | 25,584 |
| Non-current Assets held for sale and discontinued operation | | | | | | | |
| | 7 | 8,822 | 935 | | 7,051 | | |
| | | 57,103 | 46,041 | 40,136 | 38,162 | 30,587 | 25,584 |
| Non-current assets | | | | | | | |
| Related parties | 32 | 253 | 833 | 904 | 864 | 864 | 446 |
| Loans and financing agreements receivable | | 564 | 502 | 399 | 192 | 188 | 158 |
| Judicial deposits | 19 | 3,491 | 3,095 | 2,735 | 2,888 | 2,474 | 2,091 |
| Recoverable income taxes | | 899 | 899 | 629 | | | |
| Deferred income taxes | 21 | 10,596 | 8,282 | 3,567 | 7,418 | 5,706 | 2,137 |
| Recoverable taxes | 12 | 668 | 443 | 483 | 258 | 255 | 201 |
| Derivatives financial instruments | 25 | 329 | 93 | 112 | | 3 | 96 |
| Deposit on incentive and reinvestment | | 447 | 327 | 429 | 418 | 302 | 429 |
| Others | | 1,730 | 1,000 | 1,095 | 159 | 223 | 389 |
| | | 18,977 | 15,474 | 10,353 | 12,197 | 10,015 | 5,947 |
| Investments | 13 | 8,397 | 13,044 | 14,984 | 123,370 | 121,436 | 111,908 |
| Intangible assets | 14 | 16,096 | 18,822 | 17,789 | 15,636 | 14,664 | 13,974 |
| | 15 | 191,308 | 173,455 | 153,855 | 70,705 | 61,231 | 55,503 |

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| | | | | | | |
|------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Property, plant and equipment, net | 234,778 | 220,795 | 196,981 | 221,908 | 207,346 | 187,332 |
| Total assets | 291,881 | 266,836 | 237,117 | 260,070 | 237,933 | 212,916 |

(i) Recast according to Note 6.

Table of Contents**Balance Sheet**

In millions of Brazilian Reais

(continued)

| | Notes | December 31, 2013 | Consolidated December 31, 2012 (i) | January 1, 2012 (i) | December 31, 2013 | Parent Company December 31, 2012 (i) | January 1, 2012 (i) |
|--|-------|----------------------|---|---------------------------|----------------------|---|---------------------------|
| Liabilities | | | | | | | |
| Current | | | | | | | |
| Suppliers and contractors | | 8,837 | 9,255 | 8,851 | 3,640 | 4,178 | 3,504 |
| Payroll and related charges | | 3,247 | 3,025 | 2,442 | 2,228 | 2,001 | 1,582 |
| Derivative financial instruments | 25 | 556 | 710 | 136 | 435 | 558 | 117 |
| Loans and financing | 17 | 4,158 | 7,093 | 2,847 | 3,181 | 5,328 | 892 |
| Related parties | 32 | 479 | 423 | 43 | 6,453 | 6,434 | 4,959 |
| Income taxes - Settlement program | 20 | 1,102 | | | 1,079 | | |
| Taxes and royalties payable | | 766 | 664 | 979 | 356 | 333 | 330 |
| Income taxes | | 886 | 1,310 | 955 | | 370 | |
| Employee post retirement benefits obligations | 22 | 227 | 420 | 316 | 52 | 220 | 141 |
| Railway sub-concession agreement payable | | | 133 | 123 | | | |
| Asset retirement obligations | 18 | 225 | 143 | 136 | 90 | | 21 |
| Dividends and interest on capital | | | | 2,207 | | | 2,207 |
| Others | | 985 | 2,168 | 1,650 | 756 | 751 | 400 |
| | | 21,468 | 25,344 | 20,685 | 18,270 | 20,173 | 14,153 |
| Liabilities directly associated non-current with assets held for sale and discontinued operation | | | | | | | |
| | 7 | 1,050 | 345 | | | | |
| | | 22,518 | 25,689 | 20,685 | 18,270 | 20,173 | 14,153 |
| Non-current | | | | | | | |
| Derivative financial instruments | 25 | 3,496 | 1,601 | 1,239 | 3,188 | 1,410 | 953 |
| Loans and financing | 17 | 64,819 | 54,763 | 40,225 | 32,896 | 26,867 | 18,596 |
| Related parties | 32 | 11 | 146 | 171 | 32,013 | 29,363 | 28,654 |
| | 22 | 5,148 | 6,762 | 4,577 | 464 | 746 | 489 |

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| | | | | | | | |
|---|-------|----------------|----------------|----------------|----------------|----------------|----------------|
| Employee post retirement benefits obligations | | | | | | | |
| Provisions for litigation | 19 | 2,989 | 4,218 | 3,145 | 2,008 | 2,867 | 1,928 |
| Income taxes - Settlement program | | 15,243 | | | 14,930 | | |
| Deferred income taxes | 21 | 7,562 | 7,001 | 10,210 | | | |
| Asset retirement obligations | 18 | 5,969 | 5,472 | 3,427 | 1,856 | 1,625 | 1,095 |
| Stockholders Debentures | 31(d) | 4,159 | 3,379 | 2,496 | 4,159 | 3,379 | 2,496 |
| Redeemable noncontrolling interest | | 646 | 995 | 943 | | | |
| Goldstream transaction | 30 | 3,508 | | | | | |
| Others | | 3,692 | 3,901 | 4,617 | 1,940 | 1,839 | 2,375 |
| | | 117,242 | 88,238 | 71,050 | 93,454 | 68,096 | 56,586 |
| Total liabilities | | 139,760 | 113,927 | 91,735 | 111,724 | 88,269 | 70,739 |
| Stockholders equity | 26 | | | | | | |
| Preferred class A stock - 7,200,000,000 no-par-value shares authorized and 2,108,579,618 (in 2012 - 2,108,579,618) issued | | 29,475 | 29,475 | 29,475 | 29,475 | 29,475 | 29,475 |
| Common stock - 3,600,000,000 no-par-value shares authorized and 3,256,724,482 (in 2012 - 3,256,724,482) issued | | 45,525 | 45,525 | 45,525 | 45,525 | 45,525 | 45,525 |
| Mandatorily convertible notes - common shares | | | | 360 | | | 360 |
| Mandatorily convertible notes - preferred shares | | | | 796 | | | 796 |
| Treasury stock - 140,857,692 (in 2012 - 140,857,692) preferred and 71,071,482 (in 2012 - 71,071,482) common shares | | (7,838) | (7,838) | (9,917) | (7,838) | (7,838) | (9,917) |
| Results from operations with noncontrolling stockholders | | (840) | (840) | (71) | (840) | (840) | (71) |
| Results on conversion of shares | | 50 | 50 | | 50 | 50 | |
| Unrealized fair value gain (losses) | | (2,815) | (4,176) | (1,407) | (2,815) | (4,176) | (1,407) |
| Cumulative translation adjustments | | 15,527 | 9,002 | (546) | 15,527 | 9,002 | (546) |
| Retained earnings and revenue reserves | | 69,262 | 78,466 | 77,962 | 69,262 | 78,466 | 77,962 |
| Total company stockholders equity | | 148,346 | 149,664 | 142,177 | 148,346 | 149,664 | 142,177 |
| Noncontrolling interests | | 3,775 | 3,245 | 3,205 | | | |
| Total stockholders equity | | 152,121 | 152,909 | 145,382 | 148,346 | 149,664 | 142,177 |
| Total liabilities and stockholders equity | | 291,881 | 266,836 | 237,117 | 260,070 | 237,933 | 212,916 |

(i) Recast according to Note 6.

The accompanying notes are an integral part of these Financial Statements.

Table of Contents**Statement of Income****In millions of Brazilian Reais, except as otherwise stated**

| | Notes | Year ended as at December 31, | | | | |
|---|-------|-------------------------------|----------------------|-----------------|-----------------------------|----------------|
| | | 2013 | Consolidated 2012 | 2011 | Parent Company 2013 2012 | |
| Continued operation | | | | | | |
| Net operating revenue | 27 | 101,490 | 91,269 | 100,556 | 63,731 | 57,429 |
| Cost of goods solds and services rendered | 28 | (52,511) | (49,832) | (41,033) | (22,517) | (24,245) |
| Gross profit | | 48,979 | 41,437 | 59,523 | 41,214 | 33,184 |
| Operating (expenses) income | | | | | | |
| Selling and administrative expenses | 28 | (2,804) | (4,249) | (3,894) | (1,678) | (2,339) |
| Research and development expenses | | (1,745) | (2,886) | (2,817) | (1,009) | (1,619) |
| Pre operation and stoppage operation | | (4,035) | (3,145) | (2,253) | (1,040) | (875) |
| Equity results from subsidiaries | 13 | | | | (2,995) | (319) |
| Other operating expenses, net | 28 | (2,157) | (3,981) | (2,527) | (1,012) | (2,148) |
| | | (10,741) | (14,261) | (11,491) | (7,734) | (7,300) |
| Impairment of non-current assets | 16 | (5,390) | (8,211) | | (427) | (5,968) |
| Gain (loss) on measurement or sale of non-current assets (ii) | 8 | (508) | (1,036) | 2,492 | (484) | (1,036) |
| Operating profit | | 32,340 | 17,929 | 50,524 | 32,569 | 18,880 |
| Financial income | 29 | 5,795 | 2,605 | 4,461 | 3,981 | 1,566 |
| Financial expenses | 29 | (24,237) | (10,844) | (10,779) | (22,179) | (9,893) |
| Equity results from joint controlled and associates | 13 | 999 | 1,241 | 1,857 | 999 | 1,241 |
| Results on sale investments from associates and joint controlled entities | 8 | 98 | | | 33 | |
| Impairment of investment | 16 | | (4,002) | | | (1,804) |
| Income before income taxes | | 14,995 | 6,929 | 46,063 | 15,403 | 9,990 |
| Income taxes | 21 | | | | | |
| Current tax | | (17,368) | (4,939) | (9,064) | (16,367) | (3,492) |
| Deferred tax | | 2,119 | 7,534 | 560 | 1,079 | 3,394 |
| | | (15,249) | 2,595 | (8,504) | (15,288) | (98) |
| Net income for the period from continuing operations | | (254) | 9,524 | 37,559 | 115 | 9,892 |
| Loss attributable to noncontrolling interests | | (373) | (501) | (406) | | |
| Net income from continuing operations attributable to the Company's stockholders | | 119 | 10,025 | 37,965 | 115 | 9,892 |

| | | | | | | |
|---|-------|--------------|--------------|---------------|------------|--------------|
| Discontinued Operations | 7 | | | | | |
| Loss from discontinued operations | | (4) | (133) | (139) | | |
| Net loss from discontinued operations attributable to the Company's stockholders | | (4) | (133) | (139) | | |
| Net income for the year | | (258) | 9,391 | 37,420 | 115 | 9,892 |
| Loss attributable to noncontrolling interests | | (373) | (501) | (406) | | |
| Net income attributable to the Company's stockholders | | 115 | 9,892 | 37,826 | | |
| Earnings per share attributable to the Company's stockholders: | | | | | | |
| Basic and diluted earnings per share: | 26(i) | | | | | |
| Common share and (in Brazilian reais) | | 0.02 | 1.94 | 7.21 | 0.02 | 1.94 |
| Preferred share (in Brazilian reais) | | 0.02 | 1.94 | 7.21 | 0.02 | 1.94 |

(i) Recast according to Note 6.

(ii) Except the loss of R\$722 in 2012 related to the sale of coal assets.

The accompanying notes are an integral part of these Financial Statements.

Table of Contents**Statement of Other Comprehensive Income**

In millions of Brazilian Reais

| | Year ended as at December 31, | | | | |
|---|-------------------------------|-----------------------------|---------------|------------------------|----------------|
| | 2013 | Consolidated 2012 (i) | 2011 (i) | Parent Company 2013 | 2012 (i) |
| Net income (loss) | (258) | 9,391 | 37,420 | 115 | 9,892 |
| Other comprehensive income | | | | | |
| Item that will not be reclassified subsequently to income | | | | | |
| Retirement benefit obligations | | | | | |
| Gross balance as of the year | 1,976 | (1,814) | (790) | 1,976 | (1,817) |
| Effect of tax | (614) | 533 | 233 | (614) | 536 |
| | 1,362 | (1,281) | (557) | 1,362 | (1,281) |
| Total items that will not be reclassified subsequently to income | 1,362 | (1,281) | (557) | 1,362 | (1,281) |
| Item that will be reclassified subsequently to income | | | | | |
| Cumulative translation adjustments of the year | | | | | |
| Gross balance as of the year | 6,283 | 9,556 | 8,827 | 5,681 | 9,192 |
| Transfer results realized to the net income | 939 | 214 | | 939 | 214 |
| | 7,222 | 9,770 | 8,827 | 6,620 | 9,406 |
| Unrealized loss on available-for-sale investments | | | | | |
| Gross balance as of the year | 368 | (3) | 6 | 368 | (3) |
| Transfer results realized to the net income | (370) | | | (370) | |
| | (2) | (3) | 6 | (2) | (3) |
| Cash flow hedge | | | | | |
| Gross balance as of the year | (211) | 55 | 388 | (211) | 55 |
| Effect of tax | 24 | (12) | 21 | 24 | (12) |
| Transfer results realized to the net income, net of taxes | 93 | (285) | (169) | 93 | (285) |
| | (94) | (242) | 240 | (94) | (242) |
| Total items that will be reclassified subsequently to income | 7,126 | 9,525 | 9,073 | 6,524 | 9,161 |
| Total comprehensive income of the year | 8,230 | 17,635 | 45,936 | 8,001 | 17,772 |
| Comprehensive income attributable to noncontrolling interests | 229 | (137) | (72) | | |
| Comprehensive income attributable to the Company's stockholders | 8,001 | 17,772 | 46,008 | | |

| | | |
|-------|--------|--------|
| 8,230 | 17,635 | 45,936 |
|-------|--------|--------|

(i) Recast according to Note 6.

The accompanying notes are an integral part of these Financial Statements.

Table of Contents**Statement of Changes in Stockholders Equity**

In millions of Brazilian Reais

| | Capital | Results on conversion of shares | Mandatorily convertible notes | Results from operation with noncontrolling stockholders | Revenue reserves | Treasury stock | Unrealized fair value gain (losses) | Cumulative translation adjustments | Retained earnings | Total Company stockholders equity |
|---|---------------|---------------------------------|-------------------------------|---|------------------|----------------|-------------------------------------|------------------------------------|-------------------|-----------------------------------|
| December 31, 2010 | 50,000 | 1,867 | 1,441 | 685 | 72,487 | (4,826) | (25) | (9,512) | | 112,117 |
| Changes in accounting policies (Note 6) | | | | | | | (1,070) | 472 | (155) | (753) |
| January 1, 2011 (i) | 50,000 | 1,867 | 1,441 | 685 | 72,487 | (4,826) | (1,095) | (9,040) | (155) | 111,364 |
| Net income of the year | | | | | | | | | 37,826 | 37,826 |
| Other comprehensive income: | | | | | | | | | | |
| Retirement benefit obligations | | | | | | | (557) | | | (557) |
| Cash flow hedge | | | | | | | 239 | | | 239 |
| Unrealized fair value results | | | | | | | 6 | | | 6 |
| Translation adjustments | | | | | | | | 8,494 | | 8,494 |
| Contribution and distribution - stockholders: | | | | | | | | | | |
| Acquisitions and disposal of noncontrolling stockholders | | | | (756) | | | | | | (756) |
| Additional remuneration for mandatorily convertible notes | | | (285) | | | | | | | (285) |
| Capitalization of noncontrolling stockholders advances | | | | | | | | | | |

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| | | | | | | | | | |
|---|---------------|--------------|-------------|---------------|----------------|----------------|--------------|--------------|----------------|
| Capitalization of reserves | 25,000 | (1,867) | | (23,133) | | | | | |
| Repurchases of stock | | | | | (5,091) | | | | (5,091) |
| Redeemable noncontrolling stockholders interest | | | | | | | | | |
| Dividends to noncontrolling stockholders | | | | | | | | | |
| Dividends and interest on capital to Company's stockholders | | | | | | | | (9,063) | (9,063) |
| Appropriation to undistributed retained earnings | | | | 28,751 | | | | (28,751) | |
| December 31, 2011 (i) | 75,000 | 1,156 | (71) | 78,105 | (9,917) | (1,407) | (546) | (143) | 142,177 |
| Net income of the year | | | | | | | | 9,892 | 9,892 |
| Other comprehensive income: | | | | | | | | | |
| Retirement benefit obligations | | | | | | (1,281) | | | (1,281) |
| Cash flow hedge | | | | | | (242) | | | (242) |
| Unrealized fair value results | | | | | | (3) | | | (3) |
| Translation adjustments | | | | | | (142) | 9,548 | | 9,406 |
| Contribution and distribution - stockholders: | | | | | | | | | |
| Acquisitions and disposal of noncontrolling stockholders | | | | (769) | | | | | (769) |
| Additional remuneration for mandatorily convertible notes | | | | | | | | (128) | (128) |
| Capitalization of noncontrolling stockholders advances | | | | | | | | | |
| Realization of reserves | | | | (740) | | | | 740 | |
| Results on conversion of shares | 50 | (1,028) | | | 2,079 | (1,101) | | | |
| Redeemable noncontrolling stockholders interest | | | | | | | | | |

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| | | | | | | | | | | |
|---|---------------|-----------|--------------|---------------|----------------|----------------|---------------|-----------|------------|----------------|
| Dividends to noncontrolling stockholders | | | | | | | | | | |
| Dividends and interest on capital to Company's stockholders | | | | | | | | | (9,388) | (9,388) |
| Appropriation to undistributed retained earnings | | | | 1,085 | | | | | (1,085) | |
| December 31, 2012 (i) | 75,000 | 50 | (840) | 78,450 | (7,838) | (4,176) | 9,002 | 16 | | 149,664 |
| Net income of the year | | | | | | | | | 115 | 115 |
| Other comprehensive income: | | | | | | | | | | |
| Retirement benefit obligations | | | | | | 1,362 | | | | 1,362 |
| Cash flow hedge | | | | | | (94) | | | | (94) |
| Unrealized fair value results | | | | | | (2) | | | | (2) |
| Translation adjustments | | | | | | 95 | 6,525 | | | 6,620 |
| Contribution and distribution - stockholders: | | | | | | | | | | |
| Capitalization of noncontrolling stockholders advances | | | | | | | | | | |
| Realization of reserves | | | | (9,220) | | | | | 9,220 | |
| Redeemable noncontrolling stockholders interest | | | | | | | | | | |
| Dividends to noncontrolling stockholders | | | | | | | | | | |
| Dividends and interest on capital to Company's stockholders | | | | | | | | | (9,319) | (9,319) |
| Appropriation to undistributed retained earnings | | | | 32 | | | | | (32) | |
| December 31, 2013 | 75,000 | 50 | (840) | 69,262 | (7,838) | (2,815) | 15,527 | | | 148,346 |

(i) Recast according to Note 6.

The accompanying notes are an integral part of these Financial Statements.

Table of Contents**Statement of Cash Flows**

In millions of Brazilian Reais

| | Consolidated | | | Parent Company | |
|---|---------------|---------------|---------------|----------------|---------------|
| | 2013 | 2012 | 2011 | 2013 | 2012 |
| Cash flow from continuing operating activities: | | | | | |
| Net income from continuing operations for the year | (254) | 9,524 | 37,559 | 115 | 9,892 |
| Adjustments to reconcile net income with cash from continuing operations | | | | | |
| Equity results from associates and joint venture | (999) | (1,241) | (1,857) | 1,996 | (922) |
| Loss (gain) on measurement or sales of non-current assets | 508 | 1,036 | (2,492) | 484 | 1,036 |
| Results on sale investments from associates and joint controlled entities | (98) | | | (33) | |
| Loss on disposal of property, plant and equipment | 867 | 384 | 377 | 326 | 372 |
| Impairment on non-current assets | 5,390 | 12,213 | | 427 | 7,772 |
| Depreciation, amortization and depletion | 8,953 | 8,129 | 6,453 | 2,801 | 2,563 |
| Deferred income taxes | (2,119) | (7,534) | (560) | (1,079) | (3,394) |
| Foreign exchange and indexation, net | 1,565 | 3,590 | 5,123 | 6,599 | 4,962 |
| Unrealized derivative losses, net | 1,616 | 1,236 | 957 | 1,781 | 1,089 |
| Dividends and interest on capital received from subsidiaries | | | | 1,036 | 497 |
| Stockholders' Debentures | 780 | 212 | 412 | 780 | 212 |
| Other | (138) | (35) | (237) | (22) | (331) |
| Decrease (increase) in assets: | | | | | |
| Accounts receivable | 932 | 3,781 | (1,851) | 7,672 | (6,030) |
| Inventories | 929 | (1,264) | (2,741) | 632 | 267 |
| Recoverable taxes | (5,081) | 531 | (895) | (4,842) | 927 |
| Other | (396) | 456 | (851) | (287) | 618 |
| Increase (decrease) in liabilities: | | | | | |
| Suppliers and contractors | (219) | (72) | 2,282 | (539) | 675 |
| Payroll and related charges | 261 | 516 | 466 | 226 | 419 |
| Taxes and contributions | 1,459 | (336) | (3,043) | 99 | 349 |
| Gold stream transaction | 2,899 | | | | |
| Income taxes - Settlement program | 16,345 | | | 16,010 | |
| Other | (1,324) | 1,017 | 81 | (1,415) | 963 |
| Net Cash provided by operating activities from continuing operations | 31,876 | 32,143 | 39,183 | 32,767 | 21,936 |
| Net Cash provided by operating activities from discontinued operations | 357 | 938 | 506 | | |
| Net cash provided by operating activities | 32,233 | 33,081 | 39,689 | 32,767 | 21,936 |
| Cash flow from continuing investing activities: | | | | | |

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| | | | | | |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| Short-term investments | 498 | (506) | 2,987 | 36 | (43) |
| Loans and advances | (38) | 609 | (177) | (432) | 1,141 |
| Guarantees and deposits | (769) | (891) | (697) | (566) | (635) |
| Additions to investments | (784) | (892) | (1,362) | (5,479) | (7,334) |
| Additions to property, plant and equipment and intangible | (28,104) | (30,448) | (25,601) | (14,938) | (15,565) |
| Dividends and interest on capital received from Joint controlled entities and associates | 1,836 | 932 | 1,766 | 1,514 | 693 |
| Proceeds from disposals of fixed assets | 4,699 | 1,989 | 1,795 | 233 | 745 |
| Proceeds from Gold stream | 1,161 | | | | |
| Net cash provided by (used in) investing activities from continuing operations | (21,501) | (29,207) | (21,289) | (19,632) | (20,998) |
| Net cash used in investing activities from discontinued operations | (1,649) | (886) | (376) | | |
| Net cash provided by (used in) investing activities | (23,150) | (30,093) | (21,665) | (19,632) | (20,998) |
| Cash flow from continuing financing activities: | | | | | |
| Financial institutions - Loans and financing | | | | | |
| Additions | 7,267 | 17,879 | 4,720 | 8,198 | 16,030 |
| Repayments | (7,480) | (3,160) | (6,113) | (9,067) | (5,259) |
| Repayments to stockholders: | | | | | |
| Dividends and interest on capital paid to stockholders | (9,319) | (11,596) | (14,960) | (9,319) | (11,596) |
| Dividends and interest on capital attributed to noncontrolling interest | (46) | (90) | (72) | | |
| Transactions with noncontrolling stockholders | | (793) | (2,084) | | |
| Repurchase of treasury stock | | | (5,092) | | |
| Net cash provided by (used in) financing activities from continuing operations | (9,578) | 2,240 | (23,601) | (10,188) | (825) |
| Net cash used in financing activities from discontinued operations | 182 | | | | |
| Net cash provided by (used in) financing activities | (9,396) | 2,240 | (23,601) | (10,188) | (825) |
| Increase (decrease) in cash and cash equivalents | (313) | 5,228 | (5,577) | 2,947 | 113 |
| Cash and cash equivalents of cash, beginning of the year | 11,918 | 6,593 | 12,636 | 688 | 575 |
| Effect of exchange rate changes on cash and cash equivalents | 860 | 97 | (466) | | |
| Cash and cash equivalents, end of the year | 12,465 | 11,918 | 6,593 | 3,635 | 688 |
| Cash paid during the year for (ii): | | | | | |
| Interest on loans and financing | (3,290) | (2,588) | (1,898) | (3,005) | (1,894) |
| Income taxes | (5,183) | (2,320) | (11,662) | (4,316) | (312) |
| Income taxes - Settlement program | (6,032) | | | (5,946) | |
| Non-cash transactions: | | | | | |
| Additions to property, plant and equipment - interest capitalization | 519 | 684 | 289 | 24 | 28 |
| Additions to property, plant and equipment - Cost of assets retirement obligations | 445 | 622 | 361 | 306 | 419 |
| Additions to investments | | | 5,995 | | |

(i) Recast according to Note 6.

(ii) Amounts paid are classified as cash flows from operating activities

The accompanying notes are an integral part of these Financial Statements.

Table of Contents**Statement of Added Value**

In millions of Brazilian Reais

| | Year ended as at December 31, | | | | |
|--|-------------------------------|-----------------------------|---------------|------------------------|---------------|
| | 2013 | Consolidated 2012 (i) | 2011 (i) | Parent Company 2013 | 2012 (i) |
| Generation of added value from continued operations | | | | | |
| Gross revenue | | | | | |
| Revenue from products and services | 103,026 | 92,935 | 102,618 | 64,869 | 58,551 |
| Gain (loss) on sale of assets | (508) | (1,036) | 2,492 | (484) | (1,036) |
| Other revenue | 1,307 | 339 | 152 | 871 | |
| Revenue from the construction of own assets | 20,792 | 29,673 | 28,389 | 10,667 | 16,166 |
| Allowance for doubtful accounts | (22) | 19 | 13 | (4) | 13 |
| Less: | | | | | |
| Acquisition of products | (3,329) | (2,718) | (3,887) | (1,041) | (1,384) |
| Outsourced services | (26,493) | (18,974) | (16,399) | (10,871) | (11,313) |
| Materials | (15,536) | (26,431) | (26,737) | (7,002) | (13,054) |
| Oil and gas | (3,954) | (3,806) | (3,453) | (2,381) | (2,381) |
| Energy | (1,546) | (1,684) | (1,536) | (831) | (1,207) |
| Freight | (68) | (5,660) | (3,772) | (34) | |
| Impairment of non-current assets | (5,389) | (12,213) | | (427) | (7,772) |
| Other costs and expenses | (9,277) | (11,236) | (8,999) | (3,618) | (4,943) |
| Gross added value | 59,003 | 39,208 | 68,881 | 49,714 | 31,640 |
| Depreciation, amortization and depletion | (8,953) | (8,130) | (6,453) | (2,801) | (2,563) |
| Net added value | 50,050 | 31,078 | 62,428 | 46,913 | 29,077 |
| Received from third parties | | | | | |
| Equity results | 999 | 1,241 | 1,857 | (1,996) | 609 |
| Financial income | 1,439 | 1,746 | 2,927 | 449 | 799 |
| Monetary and exchange changes of assets | 1,802 | 1,094 | 1,923 | 1,717 | 904 |
| Total added value to be distributed from continued operations | 54,290 | 35,159 | 69,135 | 47,083 | 31,389 |
| Added value to be distributed from discontinued operations | 611 | 848 | 589 | | |
| Total added value to be distributed | 54,901 | 36,007 | 69,724 | 47,083 | 31,389 |
| Personnel | 9,496 | 8,765 | 7,059 | 4,664 | 4,674 |
| Taxes, rates and contribution | 6,242 | 6,980 | 3,555 | 5,286 | 5,339 |
| Current income tax | 17,368 | 4,939 | 9,064 | 16,367 | 3,492 |
| Deferred income tax | (2,119) | (7,534) | (560) | (1,079) | (3,394) |
| | 14,397 | 6,681 | 6,110 | 12,348 | 5,208 |

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| | | | | | |
|--|---------------|---------------|---------------|---------------|---------------|
| Financial expense (includes capitalized interest) | | | | | |
| Monetary and exchange changes of liabilities | 8,299 | 5,083 | 5,347 | 8,035 | 4,850 |
| Others remuneration of third party capital | 861 | 722 | 1,001 | 1,347 | 1,328 |
| Dividends and interest attributed to Company's stockholders | 92 | 9,389 | 9,063 | 92 | 9,389 |
| Net income reinvested | 27 | 635 | 28,902 | 23 | 503 |
| Loss attributable to noncontrolling interest | (373) | (501) | (406) | | |
| Distribution of added value from continued operations | 54,290 | 35,159 | 69,135 | 47,083 | 31,389 |
| Distribution of added value from discontinued operations | 611 | 848 | 589 | | |
| Distribution of added value | 54,901 | 36,007 | 69,724 | 47,083 | 31,389 |

(i) Recast according to Note 6.

The accompanying notes are an integral part of these Financial Statements.

Table of Contents**Notes to Financial Statements**

Expressed in millions of Brazilian Reais, unless otherwise stated

1. Operational Context

Vale S.A. (the Parent Company) is a public limited liability company headquartered at 26, Av. Graça Aranha, Rio de Janeiro, Brazil with securities traded on the Brazilian (BM&F BOVESPA), New York (NYSE), Paris (NYSE Euronext) and Hong Kong (HKEx) stock exchanges.

Vale S.A. and its direct and indirect subsidiaries (Vale , Group , Company or we) are principally engaged in the research, production and sale of iron ore and pellets, nickel, fertilizer, copper, coal, manganese, ferroalloys, cobalt, platinum group metals and precious metals. The Company also operates in the segments of energy and steel. The information by segment is presented in Note 27.

Our principal consolidated operating subsidiaries at December 31, 2013 were as follow:

| Entities | % ownership | % voting capital | Location | Principal activity |
|------------------------------------|-------------|------------------|---------------|---------------------------|
| Compañia Minera Miski Mayo S.A.C | 40.00 | 51.00 | Peru | Fertilizers |
| Mineração Corumbaense Reunida S.A. | 100.00 | 100.00 | Brazil | Iron ore and Manganese |
| PT Vale Indonesia Tbk | 59.20 | 59.20 | Indonesia | Nickel |
| Salobo Metais S.A. | 100.00 | 100.00 | Brazil | Copper |
| Vale Australia Pty Ltd. | 100.00 | 100.00 | Australia | Coal |
| Vale Canada Limited | 100.00 | 100.00 | Canada | Nickel |
| Vale Fertilizantes S.A | 100.00 | 100.00 | Brazil | Fertilizers |
| Vale International Holdings GmbH | 100.00 | 100.00 | Austria | Holding and Research |
| Vale International S.A | 100.00 | 100.00 | Switzerland | Trading |
| Vale Manganês S.A. | 100.00 | 100.00 | Brazil | Manganese and Ferroalloys |
| Vale Mina do Azul S.A. | 100.00 | 100.00 | Brazil | Manganese |
| Vale Moçambique S.A. | 95.00 | 95.00 | Mozambique | Coal |
| Vale Nouvelle-Calédonie SAS | 80.50 | 80.50 | New Caledonia | Nickel |
| Vale Oman Pelletizing Company LLC | 70.00 | 70.00 | Oman | Pellet |
| Vale Shipping Holding PTE Ltd. | 100.00 | 100.00 | Singapore | Logistics of iron ore |

As explained in Note 7, the Company is discontinuing its General Cargo Logistic segment, which includes the following entities:

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| Entities | % ownership | % voting capital | Location |
|--|-------------|------------------|----------|
| Ferrovias Centro-Atlântica S. A. | 100.00 | 100.00 | Brazil |
| Ferrovias Norte Sul S.A. | 100.00 | 100.00 | Brazil |
| VLI Multimodal S.A. | 100.00 | 100.00 | Brazil |
| VLI Operações de Terminais S.A. | 100.00 | 100.00 | Brazil |
| VLI Operações Portuárias S.A. | 100.00 | 100.00 | Brazil |
| VLI Participações S.A. | 100.00 | 100.00 | Brazil |
| VLI S.A. | 100.00 | 100.00 | Brazil |
| Ultrafértil S.A. | 100.00 | 100.00 | Brazil |
| TUF Empreendimentos e Participações S.A. | 100.00 | 100.00 | Brazil |
| SL Serviços Logísticos S.A. | 100.00 | 100.00 | Brazil |

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2. Summary of the Main Accounting Practices and Accounting Estimates

a) Basis of preparation

Consolidated financial statements of the Company (Financial Statements) have been prepared in accordance with the International Financial Reporting Standards (IFRS) as issued by the Brazilian Accountant Pronouncements Committee (CPC) and approved by the Brazilian Securities Exchange Commission (CVM) and Brazilian Federal Accounting Council (CFC).

Individual financial statements of the Parent Company (individual financial statements) has been prepared in accordance with accounting practices adopted in Brazil issued by CPC and approved by CVM and CFC, and they are disclosed with the consolidated interim financial statements.

In the Group, the accounting practices adopted in Brazil applicable to individual financial statements differ from IFRS applicable to separate financial statements, only for the measurement of investments at equity method in subsidiaries, joint controlled entities and affiliates, as under the rules of IFRS would be the cost or fair value.

Financial statements have been prepared under the historical cost convention as adjusted to reflect: (i) the fair value of held for trade financial instruments measured at fair value through Statement of Income and available for sale financial instruments measured at fair value through Statement of Comprehensive Income; and (ii) the impairment loss.

We evaluated subsequent events through February 26, 2014, which was the date of the Financial statement were approved by the Board of Directors.

b) Functional currency and presentation currency

Financial statements of each of the Group's entities are measured using the currency of the primary economic environment in which the entity operates (functional currency), which in the case of the Parent Company is the Brazilian Real (BRL or R\$). For presentation purposes, these financial statements are presented in Brazilian Real.

Operations in other currencies are translated into the functional currency of each entity using the actual exchange rates in force on the respective transactions dates. The foreign exchange gains and losses resulting from the translation at the exchange rates in force at the end of the year are recognized in the Statement of Income as financial expense or income. The exceptions are transactions for which gains and losses are recognized in the Statement of Comprehensive Income.

Statement of Income and Balance Sheet of all Group entities whose functional currency is different from the presentation currency are translated into the presentation currency as follows: (i) Assets, liabilities and Stockholders' equity (except components described in item (iii)) for each Balance Sheet presented are translated at the closing rate at the Balance Sheet date; (ii) income and expenses for each Statement of Income are translated at the average exchange rates, except for specific transactions that, considering their significance, are translated at the rate at the dates of the transactions and; (iii) capital, capital reserves and treasury stock are translated at the rate at the dates of each transaction. All resulting exchange differences are recognized in a separate component of the Statement of Comprehensive Income, the Cumulative Translation Adjustment account, and subsequently transferred to the Statement of Income when the assets are realized.

The exchange rates of the major currencies that impact our operations against the functional currency were:

| | Exchange rates used for conversions in Brazilian Reals | | |
|-------------------------|--|--------|--------|
| | Year ended as at December 31, | | |
| | 2013 | 2012 | 2011 |
| US Dollar - US\$ | 2.3426 | 2.0435 | 1.8683 |
| Canadian Dollar - CAD | 2.2031 | 2.0546 | 1.8313 |
| Australian Dollar - AUD | 2.0941 | 2.1197 | 1.9092 |
| Euro - EUR or | 3.2265 | 2.6954 | 2.4165 |

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c) Consolidation and investments

Financial statements reflect the balances of assets and liabilities and the transactions of the Parent Company and its direct and indirect controlled entities (Subsidiaries), eliminating intercompany transactions. Subsidiaries over which control is achieved through other means, such as stockholders agreement, are also consolidated even if the Company does not own a majority of the voting capital.

For entities over which the Company has joint control (Joint Ventures) or significant influence, but not control (Associates), the investments are measured under the equity method. In the individual financial statements, investments in subsidiaries are also measured using the equity method.

The accounting practices of subsidiaries, joint ventures and associated companies are set to ensure consistency with the policies adopted by the Parent Company. Transactions between consolidated companies, as well as balances, unrealized profits and losses on these transactions are eliminated. Unrealized gains on downstream or upstream transactions between the Company and its associates and joint ventures are eliminated fully or proportionately to the extent of the Company.

We evaluate the carrying values of our equity investments with reference to the publicly quoted market prices when available. If the quoted market price is lower than book value and this decline is considered other than temporary, we will write-down our equity investments to the level of the quoted market value.

For interests in joint arrangements operations (joint operations), Vale recognizes its share of assets, liabilities and transactions.

d) Business combinations

When Vale acquires control over an entity, the identifiable assets acquired the liabilities and contingent liabilities assumed and the noncontrolling stockholders interests recognized are measured initially at their fair values as at the acquisition date.

The excess of the consideration transferred plus the fair value of assets acquired the liabilities and contingent liabilities assumed and the noncontrolling stockholders interests recognized is recorded as goodwill, which is allocated to each cash-generating unit acquired.

e) **Noncontrolling stockholders' interests**

Investments held by investors in entities controlled by Vale are classified as noncontrolling stockholders' interests. The Company treats transactions with noncontrolling stockholders' interests as transactions with equity owners of the Group.

For purchases of noncontrolling stockholders' interests, the difference between any consideration paid and the portion acquired of the carrying value of net assets of the subsidiary is recorded in stockholders' equity. Gains or losses, on disposals of noncontrolling stockholders' interest, are also recorded in stockholders' equity.

When the Company ceases to hold control or significant influence, any retained interest in the entity is remeasured to its fair value, with the change in the carrying amount recognized in the Statement of Income. Any amounts previously recognized in Gain/ (loss) from operations with noncontrolling stockholders' interests relating to that entity are accounted for as if the Group had directly sold the related assets or liabilities. This means that the amounts previously recognized in Gain/ (loss) from operations with noncontrolling stockholders' interests are reclassified to the Statement of Income.

f) **Segment information and revenues by geographic area**

The Company discloses information by business segment and revenue by geographic unit, in accordance with the principles and concepts used by the chief operating decision makers in evaluating performance and allocating resources. The information is analyzed by operating segment as follows:

Bulk Material Includes the extraction of iron ore and pellet production and logistic (including railroads, ports and terminals) linked to bulk material mining operations. The manganese ore, ferroalloys and coal are also included in this segment.

Base metals Includes the production of non-ferrous minerals, including nickel operations (co-products and by-products) and copper.

Fertilizers Includes three major groups of nutrients: potash, phosphate and nitrogen.

General Cargo Logistics comprises the logistics services provided to third parties (including rail, port and shipping service) not linked to the other Vale Operating Segments. Assets and liabilities related to this segment are classified as assets and liabilities held for sale and discontinued operations (Note 7).

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Other comprises sales and expenses of other products and investments in joint ventures and associate in other businesses.

g) Current and non-current assets or liabilities

We classify assets and liabilities as current when it expects to realize the assets or to settle the liabilities, within twelve months from the end of the reporting period. Others assets and liabilities are classified as non-current.

h) Cash equivalents and short-term investments

The amounts recorded as cash and cash equivalents correspond to the amount available in cash, bank deposits and short-term investments that have immediate liquidity and original maturities within three months. Other investments with maturities after three months are recognized at fair value through income and presented in short-term investments.

i) Accounts receivables

Account receivables are financial instruments classified in the category Loan and Receivables and represent the total amount due from sale of products and services rendered by the Company. The receivables are initially recognized at fair value and subsequently measured at amortized cost, net of impairment losses, when applicable.

j) Inventories

Inventory of products is stated at the lower of the average cost of acquisition or production and the net realizable value. The inventory production cost is determined on the basis of variable and fixed costs, direct and indirect costs of production, using the average cost method. An allowance for losses on obsolete or slow-moving inventory is recognized.

Ore Piles are counted as processed when the ore is extracted from the mine. The cost of the finished product is composed of depreciation and any direct cost required converting ore heaps finished products.

Inventory of maintenance supplies are measured at the lower of cost and net realizable value and, where applicable, an estimate of losses on obsolete or slow-moving inventory is recognized.

k) Non-current assets and liabilities held for sale

When the Company is committed to a sale plan of a set of assets and liabilities available for immediate disposal, these assets and liabilities are classified as Non-current Assets and Liabilities held for sale. If this group of assets and liabilities represent a major line of business are classified as discontinued operations.

The non-current assets and liabilities held for sale and discontinued operations are recognized in current, separate from the other assets and liabilities being measured at the lower of carrying amount and fair value less costs to sell.

Discontinued operations transactions are presented separately from the balances of Company's continuing operations in Statement of Income, Statement of Comprehensive Income and Statement of Cash Flows.

l) Stripping Costs

The cost associated with the removal of overburden and other waste materials (stripping costs) incurred during the development of mines, before production takes place, are capitalized as part of the depreciable cost of developing the mining property. These costs are subsequently amortized over the useful life of the mine.

Post-production stripping costs are included in the cost of inventory, except when a new project is developed to permit access to a significant body of ore. In such cases, the cost is capitalized as a non-current asset and is amortized during the extraction of the body of ore, and amortized during the useful life of the body of ore.

Stripping costs are measured at fixed and variable costs directly and indirectly attributable to its removal and, when applicable, net of any impairment losses measured in same basis adopted for the cash generating unit which he is part.

m) Intangible assets

Intangible assets are evaluated at the acquisition cost, less accumulated amortization and impairment losses, when applicable.

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Intangible assets with finite useful lives are amortized over their effective use and are tested for impairment whenever there is an indication that the asset may be devalued. Assets with indefinite useful lives are not amortized and are tested for impairment at least annually.

Company holds concessions to exploit railway assets over a certain period of time. Railways are classified as intangible assets and amortized over the shorter of their useful lives and the concession term at the end of which they will be returned to the government.

Intangible assets acquired in a business combination are recognized separately from goodwill.

n) Property, plant and equipment

Property, plant and equipment are evaluated at cost of acquisition or construction, less accumulated amortization and impairment losses, when applicable.

The cost of mining assets developed internally are determined by direct and indirect costs attributed to building the mining plant, financial charges incurred during the construction period, depreciation of other fixed assets used into building, estimated decommissioning and site restoration expenses and other capitalized expenditures occurred during the development phase (phase when the project proves generator of economic benefit and the Company have ability and intention to complete the project).

The depletion of mineral assets is determined based on the ratio between production and total proven and probable mineral reserves. Property, plant and equipment are depreciated using the straight-line method based on the estimated useful lives, from the date on which the assets become available for their intended use, except for land which is not depreciated. Following estimated useful lives:

| Property, plant and equipment | Useful lives |
|--------------------------------------|---------------------------|
| Buildings | between 15 and 50 years |
| Installations | between 8 and 50 years |
| Equipment | between 3 and 33 years |
| Computer Equipment | 5 years |
| Mineral rights | production |
| Locomotives | between 12.5 and 25 years |
| Wagon | between 33 and 44 years |
| Railway equipment | between 5 and 50 years |
| Ships | between 5 and 20 years |

Other

between 2 and 50 years

The residual values and useful lives of assets are reviewed and adjusted, if necessary, at the end of each fiscal year.

Significant industrial maintenance costs, including spare parts, assembly services, and others, are recorded in property, plant and equipment and depreciated through the next programmed maintenance overhaul.

o) Research and evaluation

i. Expenditures on mining research

Expenditure on mining research is considered operating expenses until the effective proof of the economic feasibility of commercial exploration of a given field. From then on, the expenditures incurred are capitalized as mine development costs.

ii. Expenditures on feasibility studies and new technologies and others research

Vale also conducts feasibility study for many whose business which we operates and researching new technologies to optimize the mining process. After proven to generate future benefits to the Company, the expenditures incurred are capitalized.

p) Impairment of assets

The Company assesses, at each reporting date whether there is evidence that the carrying amount of financial assets measured through amortized cost and long-live non-financial asset, should be impaired.

For financial assets measured through amortized cost, Vale compares the carrying amount with the expected cash flows of the asset, and when appropriate, the carrying value is adjusted to reflect the present value of future cash flows.

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For long-live non-financial assets (such as intangible or property plant and equipment), when impairment indication are identified, the test is conducted by comparing the recoverable value of these assets grouped at the lowest levels for which there are separately identifiable cash flows of the cash-generating unit to which the asset belongs to their carrying amount. If we identify the need for adjustment, it is consistently appropriate to each asset s cash-generating unit. The recoverable amount is the higher of value in use and fair value less costs to sell.

The Company determines its cash flows based on approved budgets, considering mineral reserves and mineral resources calculated by internal experts, costs and investments based on the best estimate of past performance, sale prices consistent with the projections used in reports published by industry considering the market price when available and appropriate. Cash flows used are designed based on the life of each cash-generating unit (consumption of reserve units in the case of minerals) and considering discount rates that reflect specific risks relating to the relevant assets in each cash-generating unit, depending on their composition and location.

For investments in affiliated companies with publicly traded stock, Vale assesses recoverability of assets when there is prolonged or significant decline in market value. The balance of their investments is compared in relation to the market value of the shares, when available. If the market value is less than the carrying value of investments, and the decrease is considered prolonged and significant, the Company performs the adjustment of the investment to the realizable value quoted in the market.

Regardless the indication of impairment of its carrying value, goodwill balances arising from business combinations, intangible assets with indefinite useful lives and lands are tested for impairment at least once a year.

q) Accounts payable to suppliers and contractors

Accounts payable to suppliers and contractors are obligations to pay for goods and services that were acquired in the ordinary course of business. They are initially recognized at fair value and subsequently measured at amortized cost using the effective interest rate method.

r) Loans and financing

Loans and Financing are initially measured at fair value, net of transaction costs incurred and are subsequently carried at amortized cost and updated using the effective interest rate method. Any difference between the proceeds (net of transaction costs) and the redemption value is recognized in the Statement of Income over the period of the loans, using the effective interest rate method. The fees paid in obtaining the loan are recognized as transaction costs.

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Note mandatory convertible into preferred of common stock are compound financial instruments issued by the Company which include financial liability (debt) components and Stockholders' equity. The liability component of a compound financial instrument is initially recognized at fair value that is determined using discounted cash flow, considering the interest rate market for a non-convertible debt instrument with similar characteristics (period, value, credit risk). After initial recognition, the liability component of a compound financial instrument is measured at amortized cost using the effective interest rate method. The Stockholders' equity component is recognized as the difference between the total values received by the Company from the issue of the securities, and the initially recognized amount of the liability component. Following initial recognition, the equity component of a compound financial instrument is not remeasured until its conversion.

s) **Leases**

The Company classifies its contracts as finance leases or operating leases based on the substance of the contract as to whether it is linked to the transfer of substantially all risks and benefits of the assets ownership to the Company during their useful life.

For finance leases, the lower of the fair value of the leased asset and the present value of minimum lease payments is recorded in tangible fixed assets and the corresponding obligation recorded in liabilities. For operating leases, payments are recognized on a straight line basis during the term of the contract as a cost or expense in the Statement of Income.

t) **Provision**

Provisions are recognized only when there is a present obligation (legal or constructive) resulting from a past event, and it is probable that the settlement of this obligation will result in an outflow of resources, and the amount of the obligation can be reasonably estimated. Provisions are reviewed and adjusted to reflect the current best estimate at the end of each reporting period. Provisions are measured at the present value of the expenditure expected to be required to settle an obligation using a pre-tax rate, which reflects current market assessments of the time value of money and the risks specific to the obligation. The increase in the obligation due to the passage of time is recognized as interest expense.

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i. Provision for asset retirement obligations

The provision made by the Company refers basically to costs in order to mine closure, with the completion of mining activities and decommissioning of assets related to mine. The provision is set initially recording a liability for long-term return on fixed asset item. The long-term liability is subsequently measured using a long-term discount rate recorded at Statement of income, as financial expenses until start payment or contraction of obligation related to mine closure and decommissioning of assets mining. Assets retirement obligation are depreciated in same basis over assets mining and recorded at Statement of income.

ii. Provision for litigation

The provision refers to litigation and fines incurred by the Company. The obligation is recognized when it is considered probable and can be measured with reasonable certainty. The accounting counterpart for the obligation is an expense in Statement of Income. This obligation is updated according to the evolution of the judicial process or interest incurred and can be reversed if the estimate of loss is not probable or settled when the obligation is paid.

u) Employee benefits

i. Current benefits wages, vacations and related taxes

Payments of benefits such as wages, vacation past due or accrued vacation, as well the related social security taxes over those benefits, are recognized monthly in income, on an accruals basis.

ii. Current benefits profit sharing

The Company has an overall corporate performance-based profit sharing policy, based on the achievement of the Company as whole, specific areas as well as employees individual performance goals. The Company recognizes provision based on the recurring measurement of the compliance with goals, using the accrual basis and recognition of present obligation arising from past events in the estimated outflow of resources in the future. The counter entry of the provision is recorded as cost of sales or service rendered or operating expenses in accordance with the activity of each employee.

iii. Non-current benefits non-current incentive

The Company has established a procedure for awarding certain eligible executives (Matching Plan and Long-Term Incentive Plan - ILP) with the goal of encouraging employee retention and optimum performance. The Matching Plan establishes that these executives eligible for the plan are entitled to a specific number of preferred class A stocks of the Company, and shall be entitled at the end of three years to a cash sum corresponding to the market value of the shares lot initially linked by the executives, provided that they are under the ownership of executives throughout the entirety of the period. As well as matching, the ILP provides at the end of three years the payment in the amount equivalent to a certain number of shares based on the assessment of the executives' performance and the Company's results in relation to a group of companies of similar size (per group). Plan liabilities are measured at each reporting date, at their fair values, based on market prices. Obligations are measured at each reporting date, at fair values based on market prices. The compensation costs incurred are recognized in income during the three-year vesting period as defined.

iv. Non-current benefits pension costs and other post-retirement benefits

The Company operates several retirement plans for its employees.

For defined contribution plans, the Company's obligations are limited to a monthly contribution linked to a pre-defined percentage of the remuneration of employees enrolled in to these plans.

For defined benefit plans, actuarial calculations are periodically obtained for liabilities determined in accordance with the Projected Unit Credit Method in order to estimate the Company's obligation. The liability recognized in the Balance Sheet represents the present value of the defined benefit obligation as at that date, less the fair value of plan assets. The remeasurement gains and losses, and return on plan assets (excluding the amount of interest on return of assets recognized in income) and changes in the effect of the ceiling of the active and onerous liabilities are recognized in comprehensive income and consequently in equity.

For plans presenting a surplus, the Company does not recognize any assets or benefits in the Balance Sheet or Statement of Income until such time as the use of this surplus is clearly defined. For plans presenting a deficit, the Company recognizes actuarial liabilities and results arising from the actuarial valuation.

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v) **Derivative financial instruments and hedge operations**

The Company uses derivative instruments to manage its financial risks as a way of hedging against these risks. The Company does not use derivative instruments for speculative purposes. Derivative financial instruments are recognized as assets or liabilities in the Balance Sheet and are measured at their fair values. Changes in the fair values of derivatives are recorded in each year as gains or losses in the statements of income or in unrealized fair value gain or losses in stockholders' equity when the transaction is eligible to be characterized as an effective cash flow hedge.

The Company documents the relationship between hedging instruments and hedged items with the objective of risk management and strategy for carrying out hedging operations. The Company also documents, both initially and on a continuously basis, that its assessment of whether the derivatives used in hedging transactions are highly effective.

The effective components of changes in the fair values of derivative financial instruments designated as cash flow hedges are recorded as unrealized fair value gain/(losses) and recognized in stockholders' equity; and their non-effective components recorded in income. The amounts recorded in Statement of Comprehensive Income, will only be transferred to Statement of Income (costs, operating expenses or financial expenses) when the hedged item is actually realized.

w) **Financial Assets**

The Company classifies its financial assets in accordance with the purpose for which they were purchased, and determines the classification and initial recognition according to the following categories:

Financial assets measured at fair value through the Statement of Income Financial assets held for trading acquired for the purpose of selling in the short-term. These instruments are measured at fair value, except for derivative financial instruments not classified as hedge accounting, the fair value is measured considering the inclusion of the credit risk of counterparties the calculation of the instruments.

Loans and receivables Non-derivative financial instruments, with fixed or determinable payments, that are not quoted in an active market. They are initially measured at fair value and subsequently at amortized cost using the effective interest method.

Held to maturity Are non-derivative financial assets with fixed or determinable payments and fixed maturities for which the Company has the intent and ability to hold them to maturity. They are initially measured at fair value and subsequently at amortized cost.

Available for sale Non-derivative financial assets not classified in other category of financial instrument. Financial instruments in this category are measured at fair value, with changes in fair value until the moment of realization then recorded in Statement of Comprehensive Income. On disposal of financial asset, fair value is reclassified to Statement of Income.

x) **Capital**

The Company periodically repurchases shares to hold in treasury for future sale or cancellation. These shares are recorded in a specific account as a reduction of stockholders' equity at their acquisition value and carried at cost. These programs are approved by the Board of Directors with a determined terms and numbers of type of shares.

Incremental costs directly attributable to the issue of new shares or options are recognized in Stockholders' equity as a deduction from the amount raised, net of taxes.

y) **Government grants and support**

Government grants and support are accounted for when Company has reasonably complied with conditions set by the government in relation to the grants. Company recognizes the grants in Statement of Income, as reductions in taxes expenses, according to the nature of the item, and classified through retained earnings in stockholders' equity during allocation of net income.

z) **Revenue recognition**

Revenue is recognized when Vale transfers to its customers all of the significant risks and rewards of ownership of the product sold or when services are rendered. Net revenue excludes any applicable sales taxes and is recognized at the fair value of the consideration received or receivable to the extent that it is probable that economic benefits will flow to Vale and the revenues and costs can be reliably measured.

In most instances sales revenue is recognized when the product is delivered to the destination specified by the customer, which is typically the vessel on which it is shipped, the destination port or the customer's premises. Revenue from services is recognized in the amount by which the services are rendered and accepted by the customer's.

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In some cases, the sale price is determined on a provisional basis at the date of sale as the final selling price is subject to escalation clauses through date of final pricing. Revenue from the sale of provisionally priced products is recognized when the risks and rewards of ownership are transferred to the customer and the revenue can be measured reliably. At this date, the amount of revenue to be recognized are estimated based on the forward price of the product sold.

Amounts billed to customers for shipping corresponds to products sold by the Company are recognized as revenue when that is responsible for shipping. Shipping costs are recognized as operating costs.

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aa) Current and deferred income taxes

The amount of income taxes are recognized in the Statement of Income, except for items recognized directly in stockholders' equity, in which cases the tax is also recognized in stockholder's equity.

The provision for income taxes are calculated individually for each entity in the Group based on tax rates and tax rules in force in the location of the entity. The recognition of deferred taxes are based on temporary differences between carrying value and the tax basis of assets and liabilities as well as taxes losses carry forwards. Deferred tax liabilities are fully recognized. The deferred income taxes assets and liabilities are offset when there is a legally enforceable right to offset current tax assets against fiscal current liabilities and when the deferred income taxes assets and liabilities are related to income taxes recorded by the same taxation authority on the same taxable entity.

bb) Basic and diluted earnings per share

Basic earnings per share are calculated by dividing the income attributable to the stockholders of the Company, after accounting for the remuneration to the holders of equity securities, by the weighted average number of shares outstanding (total shares less treasury shares).

Diluted earnings per share are calculated by adjusting the weighted average number of shares outstanding for the conversion of all dilutive potential shares. Vale does not have mandatory convertible securities that could result in the dilution of the earning per share.

cc) Stockholder's remuneration

The stockholder's remuneration is paid on dividends and interest on capital. This remuneration is recognized as a liability in the financial statements of the Company, based on bylaws. Any amount above the minimum compulsory remuneration approved the bylaws shall only be recognized in current liabilities on the date it is approved by stockholder.

Vale is permitted to distribute interest attributable to stockholders' equity. The calculation is based on the stockholders' equity amounts as stated in the statutory accounting records and the interest rate applied may not exceed the Brazilian Government Long-term Interest Rate (TJLP) determined by the Central Bank of Brazil. Also, such interest may not exceed 50% of net income for the year or 50% of retained earnings plus revenue reserves as determined by Brazilian corporate law.

The benefit to Vale, as opposed to making a dividend payment, is a reduction in our income tax burden because this interest charge is tax deductible in Brazil. Income tax of 15% is withheld on behalf of the stockholders relative to the interest distribution. Under Brazilian law, interest attributed to stockholders' equity is considered as part of the annual minimum mandatory dividend (Note 26-e). This notional interest distribution is treated for accounting purposes as a deduction from stockholders' equity in a manner similar to a dividend and the tax credit recorded in income.

dd) Statements of Added Value

The Company prepares its consolidated and the parent company Statements of Added Value in accordance with the accounting practices adopted in Brazil applicable to public companies which are submitted as part of the financial statements in accordance with Brazilian accounting practices. For IFRS purposes, this statement is presented as additional information, without prejudice to the set of financial statements.

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3. Critical Accounting Estimates and Assumptions

The preparation of financial statements requires the use of certain critical accounting estimates and also the exercise of judgment by the management of the Company.

These estimates are based on the best knowledge and information existing in the Balance Sheet date. Changes in facts and circumstances may lead to the revision of these estimates. Actual future results may differ from the estimates.

The significant estimates and assumptions used by Company in these financial statements are as follow:

a) Mineral reserves and mine useful life

The estimates of proven reserves and probable reserves are regularly evaluated and updated. The proven and probable reserves are determined using generally accepted geological estimates. The calculation of reserves requires the Company to take positions on expected future conditions that are highly uncertain, including future ore prices, exchange rates, inflation rates, mining technology, availability of permits and production costs. Changes in some of these assumptions could have a significant impact on the proven and probable reserves recorded.

The estimated volume of mineral reserves is used as basis for the calculation of depletion of the mines, and also for the estimated useful life which is a major factor to quantify the provision for asset retirement obligation and environmental recovery of mines. Any changes to the estimates of the volume of mine reserves and the useful lives of assets may have a significant impact on the depreciation, depletion and amortization charges included in cost of goods sold. Changes in the estimated useful life of the mine have a significant impact on the estimates of environmental provision and impairment analysis.

b) Asset Retirement

The Company recognizes an obligation under the fair value for asset retirement obligations in the period in which they occur, as Note 2t-i. The Company considers the accounting estimates related to closure costs of a mine as a critical accounting policy because they involve significant values for the provision and are estimated using several assumptions, such as interest rate, inflation, useful life of the asset considering the current state of closure and the projected date of depletion of each mine. The estimates are reviewed annually.

c) Impairment

The Company annually tests impairment of tangible and intangible assets segregated by cash-generating units, usually using discounted cash flow that depends on several estimates, which are influenced by market conditions prevailing at the time the impairment test, is performed.

d) Litigation losses

Provisions are recorded when the possibility of loss relating to legal proceedings or contingent liabilities is considered probable by the Company's legal department and legal advisors.

The provisions are recorded when the amount of loss can be reasonably estimated. By their nature, litigations will be resolved when one or more future event occurs or fails to occur. Typically, the occurrence or not of such events is outside the Company's control. Because of the legal uncertainties inherent in the environments, involves the exercise of significant estimates and judgments of management regarding the results of future events.

e) Post-retirement benefits for employees

The amount recognized and disclosed depend on a number of factors that are determined based on actuarial calculations using various assumptions in order to determine costs and, liabilities. One of these assumptions is selection and use of the discount rate. Any changes to these assumptions will affect the amount recognized.

At the end of each year the Company and external actuaries reviews the assumptions that should be used for the following year. These assumptions are used in determining the fair values of assets and liabilities, costs and expenses and to the future values of estimated cash outflows, which are recorded in the plan obligations.

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f) Fair values of derivatives and others financial instruments

The fair values of financial instruments not traded in active markets are determined using valuation techniques. Vale uses its own judgment to choose between the various methods and assumptions are based on the market conditions, at the end of the year.

A sensitivity analysis present potential impact on results from different from management's estimates. (Note 25)

g) Deferred income taxes

The Company recognizes the effects of deferred taxes arising from tax losses and temporary differences. It recognizes impairment where it believes that tax credits recoverable are not probable.

The determination of the provision for income tax or deferred income tax, assets and liabilities, and any impairment of tax credits amount require the use of estimates. For each tax asset, the Company assesses the probability that some or all of the tax assets may not be recoverable. The impairment recorded in relation to the accumulated tax losses depends on the assessment of the probability of the generation of future taxable profits based on production and sales planning, commodity prices, operational costs, restructuring plans, reclamation costs and planned capital costs.

4. Accounting Standards

Company prepared its financial statements under IFRS, based on the pronouncements issued by CPC and approved by CVM and CFC. Pronouncements issued by the IASB, with adoption required for years ending after December 31, 2013 and has not yet issued by the CPC will not be early adopted.

Standards, interpretations or amendments issued by the IASB and effective in 2013

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There are new standards, interpretations and amendments to the IFRS effective in 2013. The impacts retrospective of the new standards are limited to the effects of the revised CPC 33 (R1) Employee benefits, described in Note 6.

Standards, interpretations or amendments issued by the IASB for adoption after December 31, 2013

Annual Improvements to IFRSs: 2010-2012 Cycle In December 2013 the IASB issued a series of non-urgent updates to some statements, with application prospective or for periods after July 1, 2014. Vale is reviewing possible impacts related to this update on its financial statements.

Defined Benefit Plans: Employee Contributions In November 2013 the IASB issued an update statement to IAS 19 - Employee Benefit which aims to simplify the accounting treatment of contributions made by employees and third parties, in defined benefit plans. The adoption of the updates will be applied from July 1, 2014 and we are analyzing potential impacts regarding this update on our financial statements.

Hedge Accounting and amendments to IFRS 9, IFRS 7 and IAS 39 In June 2013 o IASB issued an amendment to IAS 39 *Financial Instruments: Recognition and Measurement*, IFRS 7 *Financial Instruments: Disclosures* and IFRS 9 *Financial Instruments* that brings a comprehensive review of hedge accounting, aligning the accounting aspects to the management of risk, to bring more useful information to the financial statements. These updates cancel IFRIC 9 - Reassessment of Embedded Derivative. The adoption of the updates will be applied immediately to those who have already adopted IFRS 9. Whose adoption is mandatory from January 1, 2015. We are analyzing potential impacts regarding IFRS 9 and this update on our financial statements.

Novation of Derivatives and Continuation of Hedge Accounting In June 2013 IASB issued an amendment to IAS 39 *Financial Instruments: Recognition and Measurement*, that document conclude that hedge accounting do not terminate or expire when as consequence of law or regulation, a derivative financial instrument replace their original counterparty to become the new counterparty to each of the parties. The adoption of the amendment will be required from January 1, 2014 and we are analyzing potential impacts regarding this update on our financial statements.

IFRIC 21 Levies In May 2013 IASB issued an interpretation about the recognition of a government imposition (levies). The adoption of the interpretation will be required from January 1, 2014 and we are analyzing potential impacts regarding this update on our financial statements.

Recoverable Amount Disclosures for Non-Financial Assets In May 2013 IASB issued an amendment to IAS 36 *Impairment of Asset* that clarifies the IASB intention about the disclosure of non- financial assets impairment. The adoption of the amendment will be required from January 1, 2014 and we are analyzing potential impacts regarding this update on our financial statements.

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5. Risk Management

Vale considers that effective risk management is key to its growth, strategic planning and financial flexibility. Therefore, Vale has developed its risk management strategy in order to provide an integrated approach of the risks to which the Company is exposed. In order to do this, Vale evaluates not only the impact in the results of the business caused by variables traded in financial markets (market risk) and those arising from liquidity risk, but also the risk from counterparties obligations (credit risk), those relating to inadequate or failed internal processes, people, systems or external events (operational risk), among others.

a) Risk management policy

The Board of Directors has established a risk management policy in order to support the company's growth plan, strategic planning and Company's business continuity, besides to improve its capital structure and management of Vale Group, ensure adequate degree of flexibility in financial management while maintaining the level of robustness required for investment grade and to strengthen its corporate governance practices.

The corporate risk management policy requires that Vale should regularly measure and monitor its corporate risk on a consolidated basis in order to ensure that the overall risk level of the Company remains aligned with the guidelines defined by the Board of Directors and the Executive Board.

The Executive Risk Management Committee, created by the Board of Directors, is responsible for supporting the Executive Board in the risk assessments and for issuing an opinion regarding the Company's risk management profile. It is also responsible for the supervision and revision of the principles and instruments of corporate risks management.

The Executive Board is responsible for the approval of the adoption of norms, rules and responsibilities and for reporting to the Board of Directors.

The risk management norms and instructions complement the corporate risk management policy and define the Company practices, processes, controls, roles and responsibilities in relation to risk management.

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The Company may, where necessary, allocate specific risks limits to management activities, including but not limited to, market risk limit, corporate and sovereign credit limits, in accordance with the acceptable corporate risk limit.

b) **Liquidity risk management**

Liquidity risk arises from the possibility that Vale might not perform its obligations by the due dates, as well as face difficulties to meet its cash requirements due to market liquidity constraints.

To mitigate this risk, Vale has a revolving credit facility in order to assist the short term liquidity management and to enable more efficient cash management, this is consistent with the strategic focus on cost of capital. The revolving current credit facilities were obtained from a syndicate of several global commercial banks.

c) **Credit risk management**

Vale's credit risk arises from potential negative impacts on its cash flow due to uncertainty regarding the ability of counterparties to meet their contractual obligations. Vale has various procedures and processes to manage this risk, such as the control of credit limits, the obligation to diversify exposure diversification across several counterparties and the monitoring of the portfolio's credit risk.

Vale's counterparties can be divided into three main categories: customers (responsible by obligations regarding receivables from payment term sales); financial institutions (with whom Vale keeps its cash investments or negotiates derivatives transactions); and suppliers of equipment, products and services (in the case of payments in advance).

- **Commercial Credit Risk Management**

For commercial credit exposure, which arises from sales to final customers, the risk management department approves or requests the approval of credit risk limits for each counterpart. Further, the Executive Board sets annually global commercial credit risk limits for the customer's portfolio.

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Vale attributes an internal credit risk rating for each counterparty using its own quantitative methodology for credit risk analysis, based on three main sources of information: (i) Expected Default Frequency (EDF) provided by KMV (Moody s); (ii) credit ratings from the main international rating agencies; and (iii) customer financial statements from which financial ratios are determined.

As at 31 December 2013, 65% of accounts receivable due to Vale commercial sales had low or insignificant risk, 31% had moderate risk and only 4% high risk.

Whenever considered necessary, the quantitative credit risk analysis is complemented by a qualitative analysis which takes into consideration the payment history of that counterparty, its commercial relationship with Vale and the customer s strategic position in its economic sector, among others variables.

Based on the counterparty s credit risk or based on Vale s consolidated credit risk profile, risk mitigation strategies are used to minimize the Company s credit risk in order to meet the acceptable level of risk approved by the Executive Board. The main credit risk mitigation strategies used by the Company are credit insurance, mortgage, letter of credit and corporate guarantees, among others.

Vale has abroad and diversified accounts receivable portfolio from a geographical standpoint, with China, Europe, Brazil and Japan being the regions of most significant exposures. According to the region, different types of guarantees can be used to enhance the credit quality of the receivables.

Vale controls its account receivables portfolio through the Credit and Cash Collection committees, though which representatives from the risk management, cash collection and commercial departments monitor each counterparty s position. Finally, Vale has an automatic control that blocks additional sales to customers who are in default.

- **Treasury Credit Risk Management**

The management of exposure arising from cash investments and derivatives instruments is realized through the following procedures: annual approval by the Executive Board of the credit limits per counterparty, controls of portfolio diversification, counterparties` credit spread variations and the treasury portfolio overall credit risk. There s also a monitoring of all positions, exposure versus limit control and periodic report to the Executive Risk Management Committee.

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The calculation of the exposure to a counterparty that has several derivative transactions with Vale, the sum of exposure of each derivative contracted with this counterparty is considered. The exposure for each derivative is defined as the future value calculated within the life of the derivative, considering the variation of the market risk factors that affect the value of the derivative instrument.

Vale also assess the creditworthiness of its counterparties in treasury operations following an internal methodology similar to commercial credit risk management that aims to define a default probability for each counterparty.

Depending on the counterparty's nature (banks, insurance companies, countries or corporations), different inputs will be considered: (i) expected default probability given by KMV; (ii) Credit Default Swaps (CDS) and bond market spreads; (iii) credit ratings defined by the main international rating agencies; and (iv) financial statements data and indicators analysis.

d) Market risk management

Vale is exposed to various market risk factors that could impact its cash flows. The assessment of this potential impact arising from the volatility of risk factors and their correlations is performed periodically to support the decision making process and the growth strategy of the Company, ensure its financial flexibility and monitor the volatility of future cash flows.

When necessary, market risk mitigation strategies are evaluated and implemented in line with these objectives. Some strategies may incorporate financial instruments, including derivatives. The portfolios of the financial instruments are monitored on a monthly basis, enabling the monitoring of financial results and their impact on cash flow.

Considering the nature of Vale's business and operations, the main market risk factors which the Company is exposed to are:

- Foreign exchange and Interest rates;
- Product prices and input costs.

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e) **Foreign exchange and interest rate risk**

The company's cash flow is subjected to volatility of several currencies, once its product prices are predominantly indexed to US Dollar, while most of the costs, disbursements and investments are indexed to other currencies, mainly Brazilian Real and Canadian Dollar.

In order to reduce the potential impact that arises from this currency mismatch, derivatives instruments can be used as a risk mitigation strategy.

In the case of cash flow foreign exchange protection regarding revenues, costs, disbursements and investments, the main risk mitigation strategies used are forwards and swaps.

Vale implemented hedge transactions to protect its cash flow against the market risks arising from its debt obligations - mainly currency volatility. We use swap transactions to convert debt linked to Brazilian Real and Euros into US Dollar that have similar - or sometimes shorter - settlement periods than the final maturities of the debt instruments. Their notional amounts are similar to the principal and interest payments, subjected to liquidity market conditions.

Swaps with shorter settlement dates are renegotiated over time so that their final maturity matches - or becomes closer - to the debts' final maturity. At each settlement date, the results of the swap transactions partially offset the impact of the foreign exchange rate in Vale's obligations, to mitigate the effects of the cash disbursements in US Dollar.

In the case of debt instruments denominated in Brazilian Real, in the event of an appreciation (or depreciation) of the Brazilian Real against the US Dollar, the negative (or positive) impact on Vale's debt service (interest and/or principal payment) measured in US Dollars will be partially offset by the positive (or negative) effect from the swaps, regardless of the US\$/R\$ exchange rate on the payment date. The same rationale is applicable to debts denominated in other currencies and their respective swaps.

Vale has also exposure to interest rates risks over loans and financings. The US Dollar floating rate debt in the portfolio consists mainly of loans including export pre-payments, commercial banks and multilateral organizations loans. In general, such debt instruments are indexed to the London Interbank Offer Rate in US dollar (LIBOR). Considering the impact of interest rate volatility on the cash flow, Vale observes the potential natural hedges effects between US Dollar floating rates and commodities prices in the decision process of acquiring financial instruments. Sensitivity analysis is disclosed in Note 25.

f) Risk of product and Input prices

Vale is also exposed to market risks regarding commodity price and input volatilities. In accordance with risk management policy, risk mitigation strategies involving commodities can be used to adjust the cash flow risk profile and reduce Vale's cash flow volatility. For this kind of risk mitigation strategy, Vale uses predominantly forwards, futures or zero-cost collars.

g) Operational risk management

Operational risk management is the structured approach that Vale uses to manage uncertainty related to possibly inadequate or failure in internal processes, people and systems and to external events, in accordance with the principles and guidelines of ISO31000.

Operational risks are periodically monitored, ensuring the effectiveness of prevention / mitigation key controls in operation and execution of the risk treatment strategy (creation of new controls, changes in the risk environment, transfer part of the risk by contracting insurance, provisioning of resources, etc.).

Therefore, the Company seeks to have a clear view of its major risks, of the best cost-benefit mitigation plans and of the controls in place, monitoring the potential impact of operational risk and allocating capital efficiently.

h) Capital Management

The Company's aim, its capital, to seek a structure that will ensure the continuity of your business in the long term, as well as, delivering value to stockholders through dividend payments and capital gain, and at the same time maintain a debt profile suitable to its activities, with amortization well distributed over years, on average 10 years, thus avoiding a concentration in one specific period.

Table of Contents**i) Insurance**

Vale has taken out several types of insurance, such as operating risk insurance, civil responsibility, engineering risks insurance (projects) and life insurance policies for employees, among others. The coverage of these policies is similar those commonly used by the mining industry and was contract in line with the objectives defined by the Company, with the corporate risk management policy and the limitation imposed by the insurance and reinsurance global market.

Insurance management is carried out with the support of the existing insurance committees in the various operational areas of the Company. Among its management instruments, Vale uses captive reinsurance companies that allow it to contract insurance on a competitive basis as well as giving it direct access to key international insurance and reinsurance markets.

6. Changes in accounting policies

From 2013 Vale adopted the revised IAS 19 Employee benefits – IAS 19 to account employment benefits, correlate to CPC 33(R1). The Company has applied the standard retrospectively in accordance with the transition provisions of the standard which eliminated the method of corridor ; simplified the changes between the assets and liabilities of plans, recognizing in the statement of income, service cost, interest expense on benefit obligation and interest income on plan assets; and recognizing in comprehensive income, the remeasurements of actuarial gains and losses, return on plan assets(net of interest income on assets) and changes in the effect of the asset ceiling and onerous liabilities.

Statement of the effects of these adjustments in the comparative periods presented is as follows:

| | Consolidated | | | Parent Company | | |
|--|-------------------------|----------------------|---------------------|---------------------------------------|----------------------|---------------------|
| | Original balance (i) | Effect of changes | Adjusted balance | December 31, 2012 Original balance | Effect of changes | Adjusted balance |
| Balance Sheet | | | | | | |
| Assets | | | | | | |
| Current | | | | | | |
| Cash and cash equivalents | 11,918 | | 11,918 | 688 | | 688 |
| Others | 34,123 | | 34,123 | 29,899 | | 29,899 |
| | 46,041 | | 46,041 | 30,587 | | 30,587 |
| Non-current | | | | | | |
| Deferred income tax and social contribution | 8,134 | 148 | 8,282 | 5,558 | 148 | 5,706 |
| Others | 212,748 | (235) | 212,513 | 204,311 | (2,671) | 201,640 |
| | 220,882 | (87) | 220,795 | 209,869 | (2,523) | 207,346 |

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| | | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Total Assets | 266,923 | (87) | 266,836 | 240,456 | (2,523) | 237,933 |
| Liabilities and Stockholders equity | | | | | | |
| Current | | | | | | |
| Employee post retirement benefits obligations | 420 | | 420 | 220 | | 220 |
| Liabilities directly associated with assets held for sale | 327 | 18 | 345 | | | |
| Others | 24,924 | | 24,924 | 19,953 | | 19,953 |
| | 25,671 | 18 | 25,689 | 20,173 | | 20,173 |
| Non-current | | | | | | |
| Employee post retirement benefits obligations | 3,390 | 3,372 | 6,762 | 545 | 201 | 746 |
| Deferred income tax and social contribution | 7,754 | (753) | 7,001 | | | |
| Others | 74,475 | | 74,475 | 67,350 | | 67,350 |
| | 85,619 | 2,619 | 88,238 | 67,895 | 201 | 68,096 |
| Stockholders equity | | | | | | |
| Capital | 75,000 | | 75,000 | 75,000 | | 75,000 |
| Unrealized fair value gain (losses) | (1,422) | (2,754) | (4,176) | 1,914 | (2,754) | (840) |
| Pension plan | | | | 50 | | 50 |
| Cumulative translation adjustments | 8,960 | 42 | 9,002 | (4,218) | 42 | (4,176) |
| Retained earnings | 78,466 | | 78,466 | | | |
| Noncontrolling interests | 3,257 | (12) | 3,245 | 78,478 | (12) | 78,466 |
| Others | (8,628) | | (8,628) | 1,164 | | 1,164 |
| | 155,633 | (2,724) | 152,909 | 152,388 | (2,724) | 149,664 |
| Total Liabilities and Stockholders equity | 266,923 | (87) | 266,836 | 240,456 | (2,523) | 237,933 |

(i) Year adjusted according to Note 7.

Vale has taken out several types of insurance, such as operating risk insurance, civil responsibility, engineering risks insurance (projects) and life insurance policies for employees, among others. The coverage of these policies is similar those commonly used by the mining industry and was contract in line with the objectives defined by the Company, with the corporate risk management policy and the limitation imposed by the insurance and reinsurance global market.

Insurance management is carried out with the support of the existing insurance committees in the various operational areas of the Company. Among its management instruments, Vale uses captive reinsurance companies that allow it to contract insurances on a competitive basis as well as giving it direct access to key international insurance and reinsurance markets.

Table of Contents**6. Changes in accounting policies**

On 2013 Vale starts to apply the revised IAS 19 Employee benefits IAS 19 to account employment benefits, correlate to CPC 33(R1). The Company has applied the standard retrospectively in accordance with the transition provisions of the standard which eliminated the method of corridor ; simplified the changes between the assets and liabilities of plans, recognizing : the financial cost and the expected return on plan assets in the income statement; and the remeasurement of gains and losses, the effect of changes on the ceiling of the plan, and return on assets (excluding the amount of interest on return of assets recognized in statement of income) in comprehensive Income.

Statement of the effects of these adjustments in the comparative periods presented is as follows:

| | Consolidated | | | Parent Company | | |
|---|-------------------------|----------------------|---------------------|---------------------|----------------------|---------------------|
| | Original balance (i) | Effect of changes | Adjusted balance | Original balance | Effect of changes | Adjusted balance |
| Balance Sheet | | | | | | |
| Assets | | | | | | |
| Current | | | | | | |
| Cash and cash equivalents | 6,593 | | 6,593 | 575 | | 575 |
| Others | 33,543 | | 33,543 | 25,009 | | 25,009 |
| | 40,136 | | 40,136 | 25,584 | | 25,584 |
| Non-current | | | | | | |
| Deferred income tax and social contribution | 3,538 | 29 | 3,567 | 2,108 | 29 | 2,137 |
| Others | 193,414 | | 193,414 | 186,438 | (1,243) | 185,195 |
| | 196,952 | 29 | 196,981 | 188,546 | (1,214) | 187,332 |
| Total Asset | 237,088 | 29 | 237,117 | 214,130 | (1,214) | 212,916 |
| Liabilities and Stockholders equity | | | | | | |
| Current | | | | | | |
| Employee post retirement benefits obligations | 316 | | 316 | 141 | | 141 |
| Others | 20,369 | | 20,369 | 14,012 | | 14,012 |
| | 20,685 | | 20,685 | 14,153 | | 14,153 |
| Non-current | | | | | | |
| Employee post retirement benefits obligations | 2,846 | 1,731 | 4,577 | 405 | 84 | 489 |
| Deferred income tax and social contribution | 10,614 | (404) | 10,210 | | | |
| Others | 56,263 | | 56,263 | 56,097 | | 56,097 |
| | 69,723 | 1,327 | 71,050 | 56,502 | 84 | 56,586 |
| Stockholders equity | | | | | | |
| Capital | 75,000 | | 75,000 | 75,000 | | 75,000 |
| Unrealized fair value gain (losses) | (75) | (1,332) | (1,407) | (75) | (1,332) | (1,407) |

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| | | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| Cumulative translation adjustments | (750) | 204 | (546) | (750) | 204 | (546) |
| Retained earnings | 78,132 | (170) | 77,962 | 78,132 | (170) | 77,962 |
| Noncontrolling interests | 53 | | 53 | 53 | | 53 |
| Others | (5,680) | | (5,680) | (8,885) | | (8,885) |
| | 146,680 | (1,298) | 145,382 | 143,475 | (1,298) | 142,177 |
| Total Liabilities and Stockholders equity | 237,088 | 29 | 237,117 | 214,130 | (1,214) | 212,916 |

(i) Recast according to note 7.

| Statement of income | Consolidated | | | Parent Company | | |
|--|----------------------|-------------------|------------------------------------|------------------|-------------------|------------------|
| | Original balance (i) | Effect of changes | December 31, 2012 Adjusted balance | Original balance | Effect of changes | Adjusted balance |
| Net revenue | 91,269 | | 91,269 | 57,429 | | 57,429 |
| Cost of goods sold and services rendered | (49,899) | 67 | (49,832) | (24,245) | | (24,245) |
| Gross operating profit | 41,370 | 67 | 41,437 | 33,184 | | 33,184 |
| Operational expenses | (23,508) | | (23,508) | (14,336) | 32 | (14,304) |
| Financial expenses | (8,404) | 165 | (8,239) | (8,518) | 191 | (8,327) |
| Equity results | 1,241 | | 1,241 | 1,241 | | 1,241 |
| Impairment | (4,002) | | (4,002) | (1,804) | | (1,804) |
| Earnings before income taxes | 6,697 | 232 | 6,929 | 9,767 | 223 | 9,990 |
| Current and deferred Income taxes | 2,669 | (74) | 2,595 | (33) | (65) | (98) |
| Net income of the year | 9,366 | 158 | 9,524 | 9,734 | 158 | 9,892 |
| Loss attributable to noncontrolling interests | (501) | | (501) | | | |
| Net income attributable to stockholders | 9,867 | 158 | 10,025 | 9,734 | 158 | 9,892 |
| Discontinued operations (note12) | | | (133) | | | |
| Net income of the year | 9,867 | 158 | 9,892 | | | |

(i) Recast according to Note 7.

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| Statement of income | Original balance (i) | Consolidated December 31, 2011 | |
|--|-------------------------|-----------------------------------|---------------------|
| | | Effect of changes | Adjusted balance |
| Net revenue | 100,556 | | 100,556 |
| Cost of goods sold and services rendered | (41,002) | (31) | (41,033) |
| Gross operating profit | 59,554 | (31) | 59,523 |
| Operational expenses | (8,999) | | (8,999) |
| Financial expenses | (6,371) | 53 | (6,318) |
| Equity results | 1,857 | | 1,857 |
| Earnings before income taxes | 46,041 | 22 | 46,063 |
| Current and deferred Income taxes | (8,494) | (10) | (8,504) |
| Net income of the year | 37,547 | 12 | 37,559 |
| Loss attributable to noncontrolling interests | (406) | | (406) |
| Net income attributable to stockholders | 37,953 | 12 | 37,965 |
| Discontinued operations (note12) | (139) | | (139) |
| Net income from discontinued operations attributable to stockholders | | | |
| Net income of the year | 37,814 | 12 | 37,826 |

(i) Recast according to Note 7.

| | Consolidated | | | | Parent Company | |
|---|-------------------|----------------|---------------|---------------|----------------|---------------|
| | December 31, 2012 | | | | | |
| Net income of the year | 9,233 | 158 | 9,391 | 9,734 | 158 | 9,892 |
| Cumulative translation adjustments | 10,072 | (302) | 9,770 | 9,708 | (302) | 9,406 |
| | 19,305 | (144) | 19,161 | 19,442 | (144) | 19,298 |
| Unrealized loss on available-for-sale investments, net | (3) | | (3) | (3) | | (3) |
| Retirement benefit obligations, net | | (1,281) | (1,281) | | (1,281) | (1,281) |
| Cash flow hedge, net | (242) | | (242) | (242) | | (242) |
| Total comprehensive income of the year, net | 19,060 | (1,425) | 17,635 | 19,197 | (1,425) | 17,772 |
| Comprehensive income attributable to noncontrolling interests, net | (137) | | (137) | | | |
| Comprehensive income attributable to the Company's stockholders, net | 19,197 | (1,425) | 17,772 | 19,197 | (1,425) | 17,772 |

Consolidated
December 31, 2011

Statement of comprehensive income

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| | Original balance | Effect of changes | Adjusted balance |
|---|---------------------|----------------------|---------------------|
| Net income of the year | 37,408 | 12 | 37,420 |
| Cumulative translation adjustments | 8,828 | (1) | 8,827 |
| | 46,236 | 11 | 46,247 |
| Unrealized loss on available-for-sale investments, net | 6 | | 6 |
| Retirement benefit obligations, net | | (557) | (557) |
| Cash flow hedge, net | 240 | | 240 |
| Total comprehensive income of the year, net | 46,482 | (546) | 45,936 |
| Comprehensive income attributable to noncontrolling interests, net | (72) | | (72) |
| Comprehensive income attributable to the Company's stockholders, net | 46,554 | (546) | 46,008 |

Table of Contents**7. Discontinued operations and assets and liabilities held for sale**

Below shows the amounts of assets and liabilities held for sale and discontinued operations reclassified during the year:

| | December 31, 2013 | | | December 31, 2012 | |
|---|---------------------------------|--------------|-----------------------|-------------------|------------|
| | General Cargo - Logistic (a) | Energy (b) | Consolidated Total | Araucária (b) | Total |
| Assets held for sale and discontinued operations | | | | | |
| Accounts receivable | 330 | | 330 | 29 | 29 |
| Other current assets | 634 | | 634 | 112 | 112 |
| Investment | | 186 | 186 | | |
| Intangible, net | 3,951 | | 3,951 | | |
| Property, plant and equipment, net | 2,406 | 1,315 | 3,721 | 794 | 794 |
| Total assets | 7,321 | 1,501 | 8,822 | 935 | 935 |
| Liabilities associated if assets held for sale and discontinued operations | | | | | |
| Suppliers and contractors | 198 | | 198 | 24 | 24 |
| Payroll and related charges | 144 | | 144 | | |
| Other current liabilities | 262 | | 262 | 105 | 105 |
| Other non-current Liabilities | 446 | | 446 | 216 | 216 |
| Total Liabilities | 1,050 | | 1,050 | 345 | 345 |
| Assets and liabilities with discontinued operation | 6,271 | 1,501 | 7,772 | 590 | 590 |

a) Discontinued operations

In September 2013, Vale announced its intention to dispose the control over its subsidiary VLI S.A. (VLI), which aggregates all operations of General cargo logistic segment. As consequence, the General Cargo logistic segment has been treated as discontinued operations and assets and liabilities were reclassified to non-current asset / liabilities held for sale.

As part of the disposal process, we entered into agreements to transfer its 20% stock on VLI capital to Mitsui & Co. in the amount of R\$1,509 (US\$677); 15,9% for Fundo de Garantia de Tempo de Serviço (FGTS) by amount R\$1.200 (US\$538); and 26,5% to investment fund managed by Brookfield Asset Management by an amount of R\$2.000 (US\$853). The operation is subject to revision by the Brazilian Administrative Council for Economic Defense agency (Conselho Administrativo de Defesa Econômica or CADE).

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The net income, cash flows and added value for the year of discontinued operations represent the General Cargo Logistic segments results, which differ from the results generated by VLI in such year and are presented as follow:

| | Consolidated Year ended as at December 31, | | |
|---|---|--------------|--------------|
| | 2013 | 2012 | 2011 |
| Discontinued operations | | | |
| Net revenue of service | 2,762 | 2,242 | 1,463 |
| Cost of services rendered | (2,657) | (2,098) | (1,449) |
| Operating expense | (193) | (248) | (152) |
| Operating profit | (88) | (104) | (138) |
| Financial Results | (6) | (1) | 19 |
| Income before income taxes | (94) | (105) | (119) |
| Income taxes | 420 | (28) | (20) |
| Profit after income taxes | 326 | (133) | (139) |
| Gross income from fair value measurement | (484) | | |
| Income taxes of fair value measurement | 154 | | |
| Net income for the year from discontinued operations | (4) | (133) | (139) |

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| | Consolidated Year ended as at December 31, | | |
|--|---|--------------|--------------|
| | 2013 | 2012 | 2011 |
| Cash flow from discontinued operations | | | |
| Operating activities | | | |
| Net (loss) income from discontinued operation | (4) | (133) | (139) |
| Adjustments for Conciliation | | | |
| Depreciation and amortization | 339 | 268 | 185 |
| Deferred income tax | (659) | (20) | 7 |
| Fair value adjustments | 484 | | |
| Others | 244 | 58 | 91 |
| Decrease (increase) in assets | (112) | 615 | 272 |
| Increase (decrease) in liabilities | 65 | 150 | 90 |
| Net cash provided by operating activities | 357 | 938 | 506 |
| Investing activities | | | |
| Additions to property, plant and equipment | (1,643) | (923) | (349) |
| Others | (6) | 37 | (27) |
| Net cash used in investing activities | (1,649) | (886) | (376) |
| Financing activities | | | |
| Long-term debt | | | |
| Additions | 182 | | |
| Net cash provided by financing activities | 182 | | |
| Net cash provided (used) by discontinued operations | (1,110) | 52 | 130 |

| | Consolidated Year ended as at December 31, | | |
|---|---|------------|------------|
| | 2013 | 2012 | 2011 |
| Added value from discontinued operations | | | |
| Generation of added value | | | |
| Renevues | 4,243 | 2,746 | 1,826 |
| Inputs acquired from third parties | (3,335) | (1,654) | (1,074) |
| Depreciation and amortization | (339) | (268) | (185) |
| Financial income | 28 | 14 | 17 |
| Monetary and exchange changes of assets | 14 | 10 | 5 |
| Total value added to distribute | 611 | 848 | 589 |
| Distribution of value added | | | |
| Personnel | 454 | 355 | 283 |
| Taxes and contributions | 510 | 416 | 274 |
| Income tax | (574) | 28 | 20 |
| Remuneration of third party capital | 225 | 182 | 151 |
| Remuneration of capital | (4) | (133) | (139) |
| Distribution of value added | 611 | 848 | 589 |

b) **Assets and liabilities held for sale**

- **Energy Generation Assets**

In December 2013, the Company signed agreements with CEMIG Geração e Transmissão S.A. (CEMIG GT), as follow : (i) to sell 49% of it stakes of 9% over Norte Energia S.A.(Norte Energia), company responsible for construction, operation and exploration of Hydroelectric facility of Belo Monte (Belo Monte), and (ii) Creation of a Joint venture (Aliança Geração de Energia S/A) to be constituted by Vale and CEMIG through contribution of their holdings within following power generation assets: Porto Estrela, Igarapava, Funil, Capim Branco I e II, Aimorés and Candonga. No cash will be disbursed as part of the transaction. Vale and CEMIG GT will hold respectively 55% and 45% of this new company and the supply of electricity to Vale operations, previously guaranteed by their own generation, will be secured by long-term contract.

The operation above is still pending approval from regulatory agencies (ANEEL). The assets were transferred to assets held for sale with no impact in the Statement Income.

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- Araucária Assets**

In December 2012, we executed an agreement with Petróleo Brasileiro S.A. (Petrobras) to sell Araucária, operation for production of nitrogens based fertilizes, located in Araucária, in the Brazilian state of Paraná, for R\$478 and recognized a loss of R\$269 recorded within Gain (loss) on measurement or sales of non-current assets in Statement of Income. The purchase price will be paid by Petrobras through installments accrued quarterly, adjusted by 100% of the Brazilian Interbank Interest rate (CDI), in amounts equivalent to the royalties due by Vale related to the operation of potash assets and mining of Taquari-Vassouras and of the Carnalita project.

The sale was concluded in June 2013 and no additional effects occurred in the Statement of Income for the year

8. Acquisitions and Divestitures

The results on divestitures are presented as follow:

| | Consolidated | | | Parent Company | |
|--|-------------------------------|----------------|--------------|----------------|----------------|
| | Year ended as at December 31, | | | | |
| | 2013 | 2012 | 2011 | 2013 | 2012 |
| Gain (loss) on measurement or sales of non-current assets | | | | | |
| Tres Vales | (508) | | | | |
| Manganese and Ferroalloys | | (45) | | | (45) |
| Coal assets | | (722) | | | (722) |
| Araucária | | (269) | | | (269) |
| Aluminum Assets | | | 2,492 | | |
| General Cargo Logistic | | | | (484) | |
| | (508) | (1,036) | 2,492 | (484) | (1,036) |
| Financial income | | | | | |
| Hydro | 491 | | | 491 | |
| | 491 | | | 491 | |
| Results on sale investments from associates and joint controlled entities | | | | | |
| Log-in | 33 | | | 33 | |
| Fosbrasil | 65 | | | | |
| | 98 | | | 33 | |

- 2013**

a) **Divestitures of Hydro**

As part of Vale's strategy of reducing its exposure to non-core assets, in November 2013, we sold Norsk Hydro common shares for R\$4,218. Since February 2013 when the lock-up period for trading Hydro shares ended, the investment could be traded in the market and therefore we had started classifying this investment as a financial asset available for sale. As result of this operation we recognized a gain calculated as bellow of R\$491 that is presented in our Statement of Income as Financial Income :

| | |
|---|--------------|
| Hydro | |
| Balance in the date of sale | 4,309 |
| Cumulative translation adjustment recycling | (952) |
| Results on available for sale investments recycling | 370 |
| | 3,727 |
| Amount received | 4,218 |
| Gain on sale | 491 |

b) **Divestitures of Tres Valles**

In December 2013, we sold our *total* participation in Sociedade Contractual Mineradora Tres Valles (Tres Vales) for R\$58. This transaction is consistent with Vale's strategy of focusing on world-class assets, with scale compatible with its existing operations. In this transaction, Vale recognized a loss of R\$508 presented in our Statement of Income as Gain (loss) on measurement or sale of non-current assets . The total loss includes an amount of R\$13 transferred from Cumulative translation adjustments .

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c) **Divestitures of Fosbrasil**

In December 2013, we entered into an agreement to sale of Vale s minority participation in the associate Fosbrasil, producer of purified phosphoric acid, for R\$105. In this transaction Vale recognized a gain of R\$65 presented in our Statement of Income as Result on sale investments from associates and joint controlled entities .

d) **Divestitures of Log-In**

In December 2013, Vale promoted an auction to sell its common shares of Log-in Logística Intermodal S.A. (Log-in). All the shares were sold for R\$ 233 and the gain of R\$33 on this transaction was recorded in our Statement of Income as Result on sale investments from associates and joint controlled entities .

• **2012**

e) **Acquisition of additional participation in the Belvedere**

During 2012, we concluded the purchase option on additional 24.5% participation in the Belvedere Coal Project owned by Aquila Resources Limited (Aquila) in the amount of R\$318 (AUD150). In 2013, after the approval of the local government, Vale has 100% of Belvedere and paid the total amount of R\$682 for wholly participation.

f) **Sales of Coal**

In June 2012, we have concluded the sale of our thermal coal operations in Colombia to CPC S.A.S., an affiliate of Colombian Natural Resources S.A.S. (CNR). The loss on this transaction, of R\$722 was recorded in the income statement in the line Gain (loss) on measurement or sales of non-current assets .

g) Acquisition of EBM stocks

At 2012, we acquired additional 10.46% of Empreendimentos Brasileiros de Mineração (EBM). As result of the acquisition, we increased our share in EBM to 96.7% and we recorded R\$500 as result from operation with non-controlling interest in Stockholders Equity.

h) Divestitures of manganese and ferroalloys

In October 2012, we concluded the sale of manganese and ferroalloys operations in Europe for R\$318. In this transactions Vale recognized a loss of R\$45 presented in our Statement of Income as Gain (loss) on measurement or sales of non-current assets .

i) Divestitures of participation on Vale Oman Pelletizing

In October 2012, we sold 30% of participation in Vale Oman Pelletizing LLC for R\$145. In this transactions Vale recognized a gain of R\$129 in Stockholders Equity.

• **2011**

j) Divestitures of aluminum assets

In February 2011, we concluded the sale of Albras-Alumínio Brasileiro (Albras), Alunorte-Alumina do Norte do Brasil (Alunorte), Companhia de Alumina do Pará (CAP), 60% of Mineração Paragominas S.A. (Paragominas) and other Brazilian bauxite mineral rights. In these transactions we received US\$1,081 (R\$1,802) in cash and 22% of Hydro s outstanding common shares. The gain of R\$ 2,492 was recorded in Statement of Income as Gain (loss) on measurement or sales of non-current assets .

k) Acquisition of NESAs

In 2011, we acquired 9% of participation in Norte Energia S.A. (NESAs) for R\$137.

Table of Contents**9. Cash and Cash Equivalents**

| | December 31, 2013 | Consolidated December 31, 2012 | January 1, 2012 | December 31, 2013 | Parent Company December 31, 2012 | January 1, 2012 |
|---|----------------------|--------------------------------------|--------------------|----------------------|--|--------------------|
| Cash and bank accounts | 3,649 | 2,440 | 1,770 | 28 | 36 | 177 |
| Short-term investments (maturity until 3 months) | 8,816 | 9,478 | 4,823 | 3,607 | 652 | 398 |
| | 12,465 | 11,918 | 6,593 | 3,635 | 688 | 575 |

Cash and cash equivalents includes cash, demand deposits, and financial investments with an insignificant risk of changes in value, being in part Brazilian Reais indexed to the Brazilian Interbank Interest rate (DI Rate or CDI) and those denominated in US Dollars are mainly in time deposits, with the original maturities of less than three months.

10. Accounts Receivables

| | December 31, 2013 | Consolidated December 31, 2012 | January 1, 2012 | December 31, 2013 | Parent Company December 31, 2012 | January 1, 2012 |
|---|----------------------|--------------------------------------|--------------------|----------------------|--|--------------------|
| Denominated in Reais | | | | | | |
| Brazilian Reais | 1,193 | 1,734 | 2,295 | 1,275 | 1,519 | 2,238 |
| Denominated in other currencies, mainly US\$ | 12,375 | 12,384 | 13,791 | 12,984 | 20,434 | 13,698 |
| | 13,568 | 14,118 | 16,086 | 14,259 | 21,953 | 15,936 |
| Allowance for doubtful accounts | (208) | (233) | (197) | (92) | (114) | (127) |
| | 13,360 | 13,885 | 15,889 | 14,167 | 21,839 | 15,809 |

In consolidated the accounts receivables related to the steel sector represented 79.70%, 71.26% and 67.90%, of total receivable as at December 31, 2013, December 31, 2012 and January 1, 2012, respectively. To the parent company the steel sector represent as at December 31, 2013, December 31, 2012 and January 1, 2012, 91.77%, 89.15% and 88.66% of the accounts receivables, respectively.

No individual customer represents over 10% of receivables or revenues.

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The estimated losses for accounts receivable recorded in the Statements of Income as at December 31, 2013, 2012 and 2011 totaled R\$8, R\$45 and R\$3, respectively. Write offs as at December 31, 2013, 2012 and 2011 totaled R\$34, R\$34 and R\$2, respectively.

11. Inventory

The inventories of products are comprised as follows:

| | December 31, 2013 | Consolidated December 31, 2012 | January 1, 2012 | December 31, 2013 | Parent Company December 31, 2012 | January 1, 2012 |
|--------------------------------------|----------------------|--------------------------------------|--------------------|----------------------|--|--------------------|
| Inventories of products | | | | | | |
| Bulk Material | | | | | | |
| Iron ore | 1,513 | 1,746 | 1,538 | 1,574 | 1,571 | 1,602 |
| Pellets | 206 | 195 | 309 | 162 | 210 | 241 |
| Manganese and ferroalloys | 177 | 188 | 444 | | | |
| Coal | 746 | 506 | 503 | | | |
| | 2,642 | 2,635 | 2,794 | 1,736 | 1,781 | 1,843 |
| Base Metals | | | | | | |
| Nickel and other products | 3,276 | 3,870 | 3,691 | 351 | 259 | 202 |
| Copper | 53 | 60 | 71 | 23 | 37 | 47 |
| | 3,329 | 3,930 | 3,762 | 374 | 296 | 249 |
| Fertilizers | | | | | | |
| Potash | 19 | 41 | | | | |
| Phosphates | 734 | 679 | 604 | | | |
| Nitrogen | 45 | 42 | 120 | | | |
| | 798 | 762 | 724 | | | |
| Other products | 15 | 24 | 170 | 4 | 3 | 77 |
| Total inventories of products | 6,784 | 7,351 | 7,450 | 2,114 | 2,080 | 2,169 |
| Materials supplies | 2,878 | 2,969 | 2,383 | 1,173 | 1,203 | 1,014 |
| Total of inventories | 9,662 | 10,320 | 9,833 | 3,287 | 3,283 | 3,183 |

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As at December 31, 2013, 2012 and 2011 inventory balances included a provision to adjust at market value of nickel, amounting to R\$28 , R\$0 and R\$27, respectively, and manganese in the amount of R\$2 , R\$6 and R\$16, respectively, and copper in the amounts of R\$0 , R\$6 and R\$0 , respectively, and coal in the amount of R\$228 , R\$0 and R\$0 , respectively.

| | Consolidated | | | Parent Company | |
|--|-------------------------------|--------------|--------------|----------------|--------------|
| | Year ended as at December 31, | | | | |
| | 2013 | 2012 | 2011 | 2013 | 2012 |
| Inventories of product | | | | | |
| Balance on begin of year | 7,351 | 7,450 | 4,589 | 2,080 | 2,170 |
| Addition | 42,413 | 38,781 | 36,045 | 17,298 | 18,841 |
| Transfer from materials supplies inventory | 8,894 | 8,341 | 6,276 | 3,548 | 3,730 |
| Sale | (51,722) | (47,506) | (38,719) | (20,812) | (22,600) |
| Provision/ reversal of the write-off by inventory adjustment (a) | (442) | (78) | (1,089) | | (61) |
| Translation adjustments | 290 | 363 | 348 | | |
| Balance on ended of year | 6,784 | 7,351 | 7,450 | 2,114 | 2,080 |

(a) Include provision for adjustments to market value

| | Consolidated | | | Parent Company | |
|---------------------------------|-------------------------------|--------------|--------------|----------------|--------------|
| | Year ended as at December 31, | | | | |
| | 2013 | 2012 | 2011 | 2013 | 2012 |
| Materials supplies | | | | | |
| Balance on begin of year | 2,969 | 2,383 | 2,572 | 1,203 | 1,013 |
| Addition | 8,347 | 8,866 | 6,071 | 3,518 | 3,920 |
| Transfer to use | (8,894) | (8,341) | (6,276) | (3,548) | (3,730) |
| Translation adjustments | 456 | 61 | 16 | | |
| Balance on ended of year | 2,878 | 2,969 | 2,383 | 1,173 | 1,203 |

12. Recoverable Taxes

| | December 31, 2013 | Consolidated December 31, 2012 | January 01, 2012 | December 31, 2013 | Parent Company December 31, 2012 | January 01, 2012 |
|--|----------------------|--------------------------------------|---------------------|----------------------|--|---------------------|
| Value-added tax | 2,643 | 2,090 | 1,913 | 1,348 | 1,056 | 731 |
| Brazilian Federal Contributions (PIS - COFINS) | 1,594 | 1,370 | 1,768 | 1,156 | 1,014 | 1,536 |
| Others | 129 | 131 | 110 | 49 | 88 | 82 |
| Total | 4,366 | 3,591 | 3,791 | 2,553 | 2,158 | 2,349 |

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| | | | | | | |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Current | 3,698 | 3,148 | 3,308 | 2,295 | 1,903 | 2,148 |
| Non-current | 668 | 443 | 483 | 258 | 255 | 201 |
| Total | 4,366 | 3,591 | 3,791 | 2,553 | 2,158 | 2,349 |

13. Investments

The movement of investments in subsidiaries, associate and joint ventures are as follow:

| | December 31, 2013 | Consolidated December 31, 2012 (i) | December 31, 2011 (i) | Parent Company December 31, 2013 | December 31, 2012 (i) |
|---|----------------------|---|-----------------------------|--|--------------------------|
| Balance on begin of the year | 13,044 | 14,984 | 7,321 | 121,436 | 111,908 |
| Additions | 784 | 892 | 7,357 | 5,479 | 7,334 |
| Disposals (a) | (229) | (62) | (8) | (188) | (1,252) |
| Cumulative translation adjustment | (50) | 1,087 | 437 | 6,274 | 8,439 |
| Equity results | 999 | 1,241 | 1,857 | (1,996) | 608 |
| Equity other comprehensive income | (406) | 66 | (28) | 1,104 | (2,164) |
| Dividends declared | (1,649) | (1,162) | (1,952) | (2,519) | (1,461) |
| Impairment | | (4,002) | | | (1,976) |
| Transfers to held for sale and available for sale (b) | (4,096) | | | (6,220) | |
| Balance on ended of the year | 8,397 | 13,044 | 14,984 | 123,370 | 121,436 |

(i) Recast according to Note 6.

(a) The 2013 disposals refers to investments in Log-in R\$188 and Fosbrasil R\$40. (Note 8)

(b) The Consolidated transfers to available for sale refers to investments in Hydro R\$3,910 (Note 8a) and Norte Energia R\$186 (Note 7b), and the Parent Company transfers to held for sale refers to investments in VLI R\$6,034 and Norte Energia R\$186.

Table of Contents**Investments (Continued)**

| | Location | Principal activity | % ownership | % voting capital | Investments | | |
|---|-------------|---------------------------|-------------|------------------|----------------------|----------------------------|---------------------------|
| | | | | | December 31, 2013 | As of December 31, 2012 | Year January 1st, 2012 |
| Subsidiaries and affiliated companies | | | | | | | |
| Direct and indirect subsidiaries | | | | | | | |
| | | | | | | (i) | (i) |
| Aços Laminados do Pará S.A. | Brazil | Steel | 100.00 | 100.00 | 321 | 319 | 266 |
| Biopalma da Amazônia S.A. (a) | Brazil | Energy | 70.00 | 70.00 | 559 | 349 | 442 |
| Companhia Portuária da Baía de Sepetiba - CPBS | Brazil | Iron ore | 100.00 | 100.00 | 377 | 454 | 350 |
| Compañia Minera Miski Mayo S.A.C (a) | Peru | Fertilizers | 40.00 | 51.00 | 493 | 528 | 446 |
| Mineração Corumbaense Reunida S.A. | Brazil | Iron ore and Manganese | 100.00 | 100.00 | 1,306 | 1,365 | 1,113 |
| Minerações Brasileiras Reunidas S.A. - MBR (b) | Brazil | Iron ore | 98.32 | 98.32 | 4,500 | 4,538 | 3,792 |
| Potasio Rio Colorado S.A. (a) | Argentina | Fertilizers | 100.00 | 100.00 | 1,530 | 6,016 | 2,776 |
| Rio Doce Australia Pty Ltd. | Australia | Coal | 100.00 | 100.00 | 991 | (36) | 752 |
| Salobo Metais S.A. (a) | Brazil | Copper | 100.00 | 100.00 | 7,120 | 6,343 | 4,625 |
| Sociedad Contractual Minera Tres Valles (a) (c) | Chile | Copper | | | | 460 | 432 |
| SRV Reinsurance Company S.A. | Switzerland | Insurance | 100.00 | 100.00 | 289 | 1,248 | 837 |
| Vale International Holdings GMBH (b) | Austria | Holding and research | 100.00 | 100.00 | 13,150 | 8,193 | 7,849 |
| Vale Canada Holdings | Canada | Holding | 100.00 | 100.00 | 1,075 | 1,000 | 902 |
| Vale Canada Limited (b) | Canada | Nickel | 100.00 | 100.00 | 19,312 | 9,575 | 8,565 |
| Vale Colombia Holding Ltd. (e) | Colombia | Coal | 100.00 | 100.00 | | | 1,183 |
| Vale Fertilizantes S.A. (d) | Brazil | Fertilizers | 100.00 | 100.00 | | | 10,735 |
| Vale Fertilizantes S.A. (antiga Mineração Naque S.A.) (a) (b) | Brazil | Fertilizers | 100.00 | 100.00 | 13,751 | 13,404 | 1,859 |
| Vale International S.A. (b) | Switzerland | Trading and holding | 100.00 | 100.00 | 28,067 | 34,749 | 38,525 |
| Vale Malaysia Minerals | Malaysia | Iron ore | 100.00 | 100.00 | 2,321 | 1,013 | 295 |
| Vale Manganês S.A. | Brazil | Manganese and Ferroalloys | 100.00 | 100.00 | 665 | 687 | 717 |
| Vale Mina do Azul S.A. | Brazil | Manganese | 100.00 | 100.00 | 351 | 203 | 154 |
| Vale Moçambique | Mozambique | Coal | 100.00 | 100.00 | 10,060 | 5,886 | 771 |
| Vale Shipping Holding Pte. Ltd. | Singapore | Logistic of iron ore | 100.00 | 100.00 | 6,482 | 5,118 | 3,944 |
| VBG Vale BSGR Limited (a) | Guinea | Iron ore | 51.00 | 51.00 | 876 | 869 | 757 |
| VLI S.A. (h) | Brazil | General Cargo Logistics | | | | 4,958 | 3,966 |
| Others | | | | | 1,377 | 1,153 | 871 |
| | | | | | 114,973 | 108,392 | 96,924 |

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Joint Ventures

| | | | | | | | |
|---|--------|----------|-------|-------|--------------|--------------|--------------|
| California Steel Industries, INC | USA | Steel | 50.00 | 50.00 | 425 | 342 | 301 |
| Companhia Coreano-Brasileira de Pelotização - KOBRASCO | Brazil | Pellets | 50.00 | 50.00 | 213 | 218 | 208 |
| Companhia Hispano-Brasileira de Pelotização - HISPANOBRÁS (f) | Brazil | Pellets | 50.89 | 51.00 | 196 | 213 | 214 |
| Companhia Ítalo-Brasileira de Pelotização - ITABRASCO (f) | Brazil | Pellets | 50.90 | 51.00 | 145 | 130 | 150 |
| Companhia Nipo-Brasileira de Pelotização - NIBRASCO (f) | Brazil | Pellets | 51.00 | 51.11 | 372 | 364 | 372 |
| CSP- Companhia Siderúrgica do PECÉM (i) | Brazil | Steel | 50.00 | 50.00 | 1,608 | 1,020 | 499 |
| MRS Logística S.A. | Brazil | Iron ore | 47.59 | 46.75 | 1,322 | 1,197 | 1,028 |
| Norte Energia S.A. | Brazil | Energy | 4.59 | 4.59 | 193 | 246 | 137 |
| Samarco Mineração S.A. | Brazil | Pellets | 50.00 | 50.00 | 1,023 | 1,288 | 745 |
| Others | | | | | 109 | 110 | 114 |
| | | | | | 5,606 | 5,128 | 3,768 |

Direct and indirect associate

| | | | | | | | |
|---|--------|-----------|-------|-------|----------------|----------------|----------------|
| Henan Longyu Energy Resources CO., LTD. | China | Coal | 25.00 | 25.00 | 835 | 697 | 529 |
| LOG-IN - Logística Intermodal S/A (c) | Brazil | Logistics | | | | 192 | 212 |
| Mineração Rio Grande do Norte S.A. - MRN | Brazil | Bauxite | 40.00 | 40.00 | 259 | 277 | 248 |
| Norsk Hydro ASA (g) | Norway | Aluminum | | | | 4,572 | 6,029 |
| Teal Minerals Incorporated | Zambia | Copper | 50.00 | 50.00 | 535 | 516 | 437 |
| Tecnored Desenvolvimento Tecnológico S.A. (a) | Brazil | Iron ore | 49.21 | 49.21 | 91 | 79 | 86 |
| Thyssenkrupp CSA Companhia Siderúrgica do Atlântico | Brazil | Steel | 26.87 | 26.87 | 752 | 1,092 | 3,003 |
| Zhuhai YPM Pellet Co | China | Pellets | 25.00 | 25.00 | 58 | 48 | 43 |
| Others | | | | | 261 | 443 | 629 |
| | | | | | 2,791 | 7,916 | 11,216 |
| Total of associates and joint ventures | | | | | 8,397 | 13,044 | 14,984 |
| Total | | | | | 123,370 | 121,436 | 111,908 |

(*) Recast according to Note 6.

- (a) Investment balance includes the values of advances for future capital increase;
- (b) Stockholder's equity is excluded of others investments presented in the table.
- (c) Company sold in December 2013;
- (d) Merged with Vale Fertilizantes S.A. (old Mineração Naque);
- (e) Company sold in June 2012;
- (f) Although Vale held a majority of the voting interest of investees accounted for under the equity method, existing veto rights held by noncontrolling shareholders;
- (g) Investment classified as financial assets available for sale during 2013 and sold in November 2013 (Note 8);
- (h) Investment in VLI in 2013 was transferred to non-current assets(liabilities) held for sale and discontinued operations, as described in Note 7; and

(I) Pre-operational stage.

Dividends received by the Parent Company during the year ended at December 31, 2013 and December 31, 2012 were R\$2.550 and R\$1.190, respectively.

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| | | | December 31, 2013 | | December 31, 2012 | |
|---|---------|-------------|----------------------------------|--------------------------------|--------------------------------------|--------------------------------------|
| | Assets | Liabilities | Adjusted stockholders equity (*) | Adjusted operating results (*) | Adjusted net income for the year (*) | Adjusted net income for the year (*) |
| Subsidiaries and affiliates | | | | | | |
| Direct and indirect subsidiaries | | | | | | |
| Aços Laminados do Pará S.A. | 324 | 3 | 321 | (5) | (5) | (7) |
| Balderton Trading Corp | 497 | 138 | 360 | (14) | (16) | (46) |
| Biopalma da Amazonia S.A. Companhia | 1,635 | 1,030 | 605 | (179) | (313) | (165) |
| Portuária da Baía de Sepetiba - CPBS | 483 | 106 | 377 | 393 | 259 | 231 |
| Compañia Minera Miski Mayo S.A.C | 1,470 | 318 | 1,153 | 104 | 50 | 165 |
| Mineração Corumbaense Reunida S.A. | 2,224 | 918 | 1,306 | 555 | 351 | 266 |
| Minerações Brasileiras Reunidas S.A. - MBR | 6,776 | 1,320 | 5,456 | 241 | (59) | 370 |
| Potasio Rio Colorado S.A. | 1,622 | 92 | 1,530 | (5,859) | (5,883) | (31) |
| Rio Doce Australia Pty Ltd. | 4,775 | 3,560 | 1,215 | (489) | (459) | (2,080) |
| Salobo Metais S.A. | 8,279 | 1,159 | 7,120 | (30) | (68) | (208) |
| SRV Reinsurance Company S.A. | 571 | 283 | 289 | (654) | (651) | 24 |
| Vale International Holdings GMBH | 107,926 | 8,139 | 99,787 | (644) | (1,972) | (1,317) |
| Vale Canada Holdings | 27,694 | 26,619 | 1,075 | (19) | (16) | (22) |
| Vale Canada Limited | 76,537 | 52,714 | 23,823 | (629) | (1,755) | (2,573) |
| Vale Fertilizantes S.A. (Antiga Mineração Naque S.A.) | 18,775 | 3,212 | 15,564 | (114) | (6,052) | 2,399 |
| Vale International S.A. | 150,119 | 64,478 | 85,641 | 3,274 | (1,984) | 1,050 |
| Vale Malaysia Minerals | 2,508 | 187 | 2,321 | (71) | 70 | |
| Vale Manganês S.A. | 915 | 250 | 665 | (99) | (22) | (29) |
| Vale Mina do Azul S.A. | 702 | 351 | 351 | 240 | 163 | 49 |
| | 10,468 | 408 | 10,060 | (827) | (73) | (257) |

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| | | | | | | |
|---|--------|--------|-------|-------|---------|---------|
| Vale Emirates Limited | | | | | | |
| Vale Shipping Holding Pte. Ltd. | 6,992 | 509 | 6,482 | 144 | 379 | 226 |
| VBG Vale BSGR Limited | 4,427 | 2,907 | 1,520 | (27) | (214) | (255) |
| Direct and indirect affiliates | | | | | | |
| California Steel Industries, INC | 1,838 | 987 | 850 | 133 | 87 | 58 |
| Companhia Coreano-Brasileira de Pelotização - KOBRASCO | 454 | 28 | 426 | 121 | 83 | 100 |
| Companhia Hispano-Brasileira de Pelotização - HISPANOBRÁS | 461 | 77 | 385 | 27 | 6 | 143 |
| Companhia Ítalo-Brasileira de Pelotização - ITABRASCO | 343 | 57 | 286 | 25 | 30 | 31 |
| Companhia Nipo-Brasileira de Pelotização - NIBRASCO | 821 | 91 | 731 | 96 | 79 | 83 |
| CSP- Companhia Siderúrgica do PECÉM | 3,512 | 297 | 3,215 | (36) | (47) | (27) |
| Henan Longyu Energy Resources CO., LTD. | 3,878 | 537 | 3,341 | 533 | 360 | 453 |
| Mineração Rio Grande do Norte S.A. - MRN | 2,211 | 1,563 | 648 | 192 | 54 | 104 |
| MRS Logística S.A. | 6,725 | 3,947 | 2,778 | 834 | 466 | 502 |
| Norte Energia S.A. | 15,330 | 11,123 | 4,207 | (60) | (42) | (47) |
| Samarco Mineração S.A. | 13,073 | 11,026 | 2,047 | 3,725 | 2,139 | 2,493 |
| Teal Minerals (Barbados) Incorporated | 2,518 | 1,451 | 1,067 | (74) | (105) | (18) |
| Tecnored Desenvolvimento Tecnológico S.A. | 159 | 17 | 142 | (49) | (48) | (86) |
| Thyssenkrupp CSA Companhia Siderúrgica do Atlântico | 9,783 | 6,986 | 2,797 | (810) | (1,307) | (1,217) |
| Zhuhai YPM Pellet Co | 530 | 298 | 232 | 4 | 3 | 6 |

Table of Contents**14. Intangible Assets**

| | December 31, 2013 | | | Consolidated December 31, 2012 | | | January 1, 2012 | | |
|-------------------------------|-------------------|----------------|---------------|-----------------------------------|----------------|---------------|-----------------|----------------|---------------|
| | Cost | Amortization | Net | Cost | Amortization | Net | Cost | Amortization | Net |
| Indefinite useful life | | | | | | | | | |
| Goodwill | 9,698 | | 9,698 | 9,407 | | 9,407 | 8,990 | | 8,990 |
| Finite useful life | | | | | | | | | |
| Concession and subconcession | 7,259 | (2,793) | 4,466 | 10,981 | (3,307) | 7,674 | 9,997 | (2,813) | 7,184 |
| Right to use | 769 | (175) | 594 | 732 | (113) | 619 | 1,133 | (80) | 1,053 |
| Others | 3,033 | (1,695) | 1,338 | 2,504 | (1,382) | 1,122 | 1,682 | (1,120) | 562 |
| | 11,061 | (4,663) | 6,398 | 14,217 | (4,802) | 9,415 | 12,812 | (4,013) | 8,799 |
| Total | 20,759 | (4,663) | 16,096 | 23,624 | (4,802) | 18,822 | 21,802 | (4,013) | 17,789 |

| | December 31, 2013 (unaudited) | | | Parent Company December 31, 2012 | | | January 1, 2012 | | |
|-------------------------------|-------------------------------|----------------|---------------|-------------------------------------|----------------|---------------|-----------------|----------------|---------------|
| | Cost | Amortization | Net | Cost | Amortization | Net | Cost | Amortization | Net |
| Indefinite useful life | | | | | | | | | |
| Goodwill | 9,698 | | 9,698 | 9,407 | | 9,407 | 8,990 | | 8,990 |
| Finite useful life | | | | | | | | | |
| Concession and subconcession | 7,259 | (2,793) | 4,466 | 6,410 | (2,414) | 3,996 | 5,920 | (2,105) | 3,815 |
| Right to use | 223 | (89) | 134 | 222 | (83) | 139 | 679 | (72) | 607 |
| Others | 3,033 | (1,695) | 1,338 | 2,504 | (1,382) | 1,122 | 1,682 | (1,120) | 562 |
| | 10,515 | (4,577) | 5,938 | 9,136 | (3,879) | 5,257 | 8,281 | (3,297) | 4,984 |
| Total | 20,213 | (4,577) | 15,636 | 18,543 | (3,879) | 14,664 | 17,271 | (3,297) | 13,974 |

The rights of use refers basically to the usufruct contract entered into with noncontrolling stockholders to use the Empreendimentos Brasileiros de Mineração S.A. shares (owner of the shares of MBR) and intangible identified in business combination of Vale Canada. The amortization of the right of use will expires in 2037 and Vale Canada's intangible will end in September 2046. The concessions and subconcessions are the agreements with the Brazilian government for the exploration and the development the ports and rails. (Note 31-g)

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The table below shows the movement of intangible assets during the year:

| | Consolidated | | | | |
|--|--------------|--------------------------------|--------------|--------------|---------------|
| | Goodwill | Concessions and Subconcessions | Right to use | Others | Total |
| Balance as at January 1, 2011 | 8,654 | 6,514 | 1,054 | 607 | 16,829 |
| Addition | | 332 | | 373 | 705 |
| Write off | | (30) | | (2) | (32) |
| Amortization | | (311) | (24) | (185) | (520) |
| Translation adjustment of the year | 336 | | 23 | | 359 |
| Others | | 231 | | (231) | |
| Effect of discontinued operations | | | | | |
| Net effect of year | | 448 | | | 448 |
| Balance as at December 31, 2011 | 8,990 | 7,184 | 1,053 | 562 | 17,789 |
| Addition | | 537 | | 825 | 1,362 |
| Write off | | (17) | (455) | | (472) |
| Amortization | | (339) | (32) | (265) | (636) |
| Translation adjustment of the year | 417 | | 53 | | 470 |
| Effect of discontinued operations | | | | | |
| Net effect of year | | 309 | | | 309 |
| Balance as at December 31, 2012 | 9,407 | 7,674 | 619 | 1,122 | 18,822 |
| Addition | | 884 | | 509 | 1,393 |
| Write off | | (28) | | (4) | (32) |
| Amortization | | (386) | (57) | (289) | (732) |
| Translation adjustment of the year | 291 | 1 | 32 | | 324 |
| Effect of discontinued operations | | | | | |
| Net effect of year | | 272 | | | 272 |
| Transfers to held for sale | | (3,951) | | | (3,951) |
| Balance as at December 31, 2013 | 9,698 | 4,466 | 594 | 1,338 | 16,096 |

| | Parent Company | | | | |
|--|----------------|--------------------------------|--------------|--------------|---------------|
| | Goodwill | Concessions and Subconcessions | Right to use | Others | Total |
| Balance as at January 1, 2012 | 8,990 | 3,815 | 607 | 562 | 13,974 |
| Addition | | 537 | | 825 | 1,362 |
| Write off | | (17) | (455) | | (472) |
| Amortization | | (339) | (13) | (265) | (617) |
| Translation adjustment of the year | 417 | | | | 417 |
| Balance as at December 31, 2012 | 9,407 | 3,996 | 139 | 1,122 | 14,664 |
| Addition | | 884 | | 509 | 1,393 |
| Write off | | (28) | | (4) | (32) |
| Amortization | | (386) | (65) | (289) | (680) |
| Translation adjustment of the year | 291 | | | | 291 |
| Balance as at December 31, 2013 | 9,698 | 4,466 | 134 | 1,338 | 15,636 |

Table of Contents**15. Property, plant and equipment**

| | December 31, 2013 | | | Consolidated December 31, 2012 | | | January 1, 2012 | | |
|-----------------------------|-------------------|-----------------------------|----------------|-----------------------------------|-----------------------------|----------------|-----------------|-----------------------------|----------------|
| | Cost | Accumulated Depreciation | Net | Cost | Accumulated Depreciation | Net | Cost | Accumulated Depreciation | Net |
| Land | 2,215 | | 2,215 | 1,381 | | 1,381 | 1,331 | | 1,331 |
| Buildings | 23,228 | (4,992) | 18,236 | 15,755 | (3,304) | 12,451 | 13,977 | (2,552) | 11,425 |
| Facilities | 36,683 | (11,061) | 25,622 | 33,350 | (9,326) | 24,024 | 28,699 | (7,885) | 20,814 |
| Computer equipment | 1,592 | (1,163) | 429 | 2,014 | (1,245) | 769 | 1,737 | (1,053) | 684 |
| Mineral properties | 50,608 | (12,479) | 38,129 | 48,440 | (9,887) | 38,553 | 41,954 | (7,319) | 34,635 |
| Others | 63,600 | (19,698) | 43,902 | 54,673 | (17,526) | 37,147 | 51,290 | (15,249) | 36,041 |
| Construction in progress | 62,775 | | 62,775 | 59,130 | | 59,130 | 48,925 | | 48,925 |
| | 240,701 | (49,393) | 191,308 | 214,743 | (41,288) | 173,455 | 187,913 | (34,058) | 153,855 |

| | December 31, 2013 | | | Parent Company December 31, 2012 | | | January 1, 2012 | | |
|-----------------------------|-------------------|-----------------------------|---------------|-------------------------------------|-----------------------------|---------------|-----------------|-----------------------------|---------------|
| | Cost | Accumulated Depreciation | Net | Cost | Accumulated Depreciation | Net | Cost | Accumulated Depreciation | Net |
| Land | 1,322 | | 1,322 | 1,162 | | 1,162 | 762 | | 762 |
| Buildings | 11,167 | (1,718) | 9,449 | 5,695 | (1,319) | 4,376 | 6,131 | (1,111) | 5,020 |
| Facilities | 18,884 | (4,534) | 14,350 | 16,428 | (4,128) | 12,300 | 15,674 | (3,586) | 12,088 |
| Computer equipment | 695 | (512) | 183 | 942 | (724) | 218 | 857 | (638) | 219 |
| Mineral properties | 3,188 | (822) | 2,366 | 4,402 | (588) | 3,814 | 3,750 | (529) | 3,221 |
| Others | 22,953 | (8,815) | 14,138 | 16,821 | (7,533) | 9,288 | 16,508 | (6,449) | 10,059 |
| Construction in progress | 28,897 | | 28,897 | 30,073 | | 30,073 | 24,134 | | 24,134 |
| | 87,106 | (16,401) | 70,705 | 75,523 | (14,292) | 61,231 | 67,816 | (12,313) | 55,503 |

(i) The total amount of Capital Expenditures recognized as additions of consolidated construction in progress in December 31, 2013, 2012 and 2011 correspond to R\$20.838, R\$22.639 and R\$19.566, respectively. To the parent company in 2013 and 2012 correspond to R\$9.474 and R\$9.613.

The property, plant and equipment (net book value) given as guarantees for judicial claims in December 31, 2013, December 31, 2012 and January 1, 2012 correspond to R\$180, R\$197 and R\$146 in consolidated. To the parent company at December 31, 2013 and December 31, 2012 correspond to R\$147 and R\$161 respectively.

In December 2013, R\$3.3 billion refers to iron ore Project Guinea (Note 31 d).

The table below shows the movement of Property, plant and equipment during the year:

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| | Consolidated | | | | | | | | |
|--|--------------|---------------|---------------|--------------------|--------------------|---------------|---------------------------|----------------|--|
| | Land | Building | Facilities | Computer equipment | Mineral properties | Others | Constructions in progress | Total | |
| Balance as at January 1, 2011 | 593 | 8,118 | 25,097 | 439 | 40,661 | 31,839 | 19,909 | 126,656 | |
| Acquisitions (i) | | | | | | | 25,546 | 25,546 | |
| Disposals | | (64) | (21) | | (37) | (63) | (191) | (376) | |
| Depreciation and amortization | | (197) | (823) | (117) | (251) | (2,933) | | (4,321) | |
| Translation adjustment of the year | | (6) | (2,368) | 7 | 953 | 6,290 | 1,432 | 6,308 | |
| Transfers | 738 | 3,562 | (1,106) | 364 | (6,691) | 920 | 2,213 | | |
| Net effect of discontinued operations | | | | | | | | | |
| Net effect of year | | 12 | 35 | (9) | | (12) | 16 | 42 | |
| Balance as at December 31, 2011 | 1,331 | 11,425 | 20,814 | 684 | 34,635 | 36,041 | 48,925 | 153,855 | |
| Acquisitions (i) | | | | | | | 30,392 | 30,392 | |
| Disposals | (2) | (127) | (100) | (18) | (104) | (704) | (1,100) | (2,155) | |
| Transfer to non-current assets held for sale | | (51) | (67) | | (3) | (1,919) | (24) | (2,064) | |
| Impairment | | (2,227) | (554) | (2) | (1,074) | (2,841) | (1,684) | (8,382) | |
| Depreciation and amortization | | (616) | (1,807) | (176) | (1,531) | (3,791) | | (7,921) | |
| Translation adjustment of the year | (199) | 714 | (273) | 334 | 2,932 | 2,483 | 3,339 | 9,330 | |
| Transfers | 251 | 3,311 | 6,010 | (57) | 3,575 | 7,878 | (20,968) | | |
| Net effect of discontinued operations | | | | | | | | | |
| Net effect of year | | 22 | 1 | 4 | 123 | | 250 | 400 | |
| Balance as at December 31, 2012 | 1,381 | 12,451 | 24,024 | 769 | 38,553 | 37,147 | 59,130 | 173,455 | |
| Acquisitions (i) | | | | | | | 27,156 | 27,156 | |
| Disposals | (3) | (9) | (155) | (3) | (66) | (33) | (436) | (705) | |
| Impairment | | (30) | (390) | | | (6) | (4,962) | (5,388) | |
| Depreciation and amortization | | (629) | (1,995) | (158) | (1,937) | (4,178) | | (8,897) | |
| Translation adjustment of the year | (18) | 378 | 533 | (316) | 2,560 | 4,111 | 879 | 8,127 | |
| Transfers | 855 | 6,160 | 4,923 | 151 | (973) | 8,216 | (19,332) | | |
| Net effect of discontinued operations | | | | | | | | | |

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| | | | | | | | |
|----------------------------|--------------|---------------|---------------|------------|---------------|---------------|----------------|
| Net movements of the year | 20 | 16 | (2) | (8) | 545 | 709 | 1,280 |
| Transfers to held for sale | (105) | (1,334) | (12) | | (1,900) | (369) | (3,720) |
| Balance as at | | | | | | | |
| December 31, 2013 | 2,215 | 18,236 | 25,622 | 429 | 38,129 | 43,902 | 62,775 |
| | | | | | | | 191,308 |

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| | Land | Building | Facilities | Computer equipment | Parent Company Mineral properties | Others | Constructions in progress | Total |
|--|--------------|--------------|---------------|--------------------|---|---------------|------------------------------|---------------|
| Balance as at January 1, 2012 | 762 | 5,020 | 12,088 | 219 | 3,221 | 10,059 | 24,134 | 55,503 |
| Acquisitions (i) | | | | | | | 14,650 | 14,650 |
| Disposals | | (1) | (19) | (1) | (19) | (87) | (432) | (559) |
| Impairment | | (2,227) | (554) | (2) | (550) | (817) | (1,922) | (6,072) |
| Depreciation and amortization | | (184) | (575) | (95) | (135) | (1,302) | | (2,291) |
| Transfers | 400 | 1,768 | 1,360 | 97 | 1,297 | 1,435 | (6,357) | |
| Balance as at December 31, 2012 | 1,162 | 4,376 | 12,300 | 218 | 3,814 | 9,288 | 30,073 | 61,231 |
| Acquisitions (i) | | | | | | | 13,875 | 13,875 |
| Disposals | | (3) | (10) | | | (63) | (644) | (720) |
| Transfer to non-current assets held for sale | | | (1,094) | | | | | (1,094) |
| Impairment | | (30) | (390) | | | (7) | | (427) |
| Depreciation and amortization | | (216) | (672) | (82) | (289) | (901) | | (2,160) |
| Others | 160 | 5,322 | 4,216 | 47 | (1,159) | 5,821 | (14,407) | |
| Balance as at December 31, 2013 | 1,322 | 9,449 | 14,350 | 183 | 2,366 | 14,138 | 28,897 | 70,705 |

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We identified evidence of impairment in relation to certain investments and property, plant and equipment. The following impairment charges were recorded:

| Assets | Cash-generating unit | December 31, 2013 | | | December 31, 2012 | | |
|--------------------------------------|----------------------|---------------------|--------------|-----------------------|---------------------|---------------|-----------------------|
| | | Net carrying amount | Impairment | Impairment adjustment | Net carrying amount | Impairment | Impairment adjustment |
| Property, plant and equipment | | | | | | | |
| Fertilizers | PRC | 6,489 | 1,526 | 4,963 | | | |
| Nickel | Onça Puma | | | | 7,653 | 1,884 | 5,769 |
| Pellets | Pelletizing asset | 527 | 100 | 427 | | | |
| Coal | Australia assets | | | | 3,365 | 1,226 | 2,139 |
| Other | | | | | 386 | 83 | 303 |
| | | 7,016 | 1,626 | 5,390 | 11,404 | 3,193 | 8,211 |
| Investment | | | | | | | |
| Aluminum | Norsk Hydro ASA | | | | 6,598 | 4,572 | 2,026 |
| Steel | Thyssenkrupp | | | | 4,387 | 2,583 | 1,804 |
| Energy | VSE | | | | 207 | 35 | 172 |
| | | | | | 11,192 | 7,190 | 4,002 |
| | | 7,016 | 1,626 | 5,390 | 22,596 | 10,383 | 12,213 |

a) Property plant and equipment

- **2013**

- **Fertilizer of PRC**

In 2013, the Company suspended the implementation of the Rio Colorado project in Argentina (PRC). The underlying project parameters were not sufficiently favorable to the project meets the Company s capital allocation and the value creations targets. The company will continue honoring its commitments related to the concessions and reviewing alternatives to enhance the project outcome in order to determine prospects for future project development.

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In the fourth quarter of 2013, the Company concluded its analyses in relation to the PRC investment and used its best estimate, which approximated the original cost of the investment, in determining the fair value less cost to sell for purposes of the impairment charge.

- **Pellets**

The company analyzed the temporary stoppage of pelletizing plants in Brasil and the uncertainty resumption of operations resulted in the revaluations of these assets with the respectively impairment.

- **2012**

- **Onça Puma nickel assets**

Problems with the two furnaces in the Onça Puma project have led to the total stoppage of its iron-nickel operations since June 2012. After reviewing the case, Vale decided to rebuild one of the furnaces. Given this event, the carrying value of Onça Puma's assets required an adjustment for impairment to reflect its fair value.

The recoverable amount of Onça Puma's assets, once we determined these would not be recovered through undiscounted cash flows, was ascertained by determining their value from discounted cash flow projections based on financial budgets approved by management for the life of the mine. The projected cash flow was adjusted to reflect the effects of the quantities sold at the commodity futures prices and on the expected demand for the product.

The key assumptions used by management to calculate the impairment are the sales values of the commodities and the discount rate, reflecting the volatile nature of the business.

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The discount rates applied to the future cash flow forecasts represent an estimate of the rate the market would apply to comply with the risk of the assets under valuation, Vale weighted average cost of capital is used as a basic point for determining the discount rates, with appropriate adjustments for the risk profile of the countries in which the individual reporting unit operate.

- **Coal assets in Australia**

Increasing costs, falling market prices, reduced production levels and financially unfavorable regulatory changes were identified in the coal sector, leading us to carry out impairment tests.

The recoverable amount for the Australian assets was ascertained by determining through the calculation of value from discounted cash flow projections based on financial budgets approved by management for the life of the mine. The projected cash flow was adjusted to reflect the effects of the quantities sold at the commodity futures prices and on the expected demand for the product.

The key assumptions used by management to calculate the impairment of coal assets in Australia are the commodities prices and the discount rate, reflecting the volatile nature of the business.

- **Other**

In 2012 changes in the Company's strategy have altered the expected cash flows from some of our other operations, such as of oil and gas and other projects.

The recoverable amount of these assets was ascertained from the new cash flow projections from financial budgets recently revised and approved by management.

b) Investment

- **2012**

- **Investment in Norsk Hydro ASA**

The Company held 22% stake in the affiliated Norsk Hydro ASA (Norsk Hydro), which is accounted for the equity method.

The volatility of aluminum prices and uncertainties about the European economy contributed to a reduction in the traded market value of Norsk Hydro.

The Company assessed that the reduction of the market value of Norsk Hydro as other than temporary and thus recognized an impairment charge in this affiliated, adjusting the book value for its fair value.

At December 31, 2012 Norsk Hydro s shares at the close of trading were quoted at US\$ 4.99 per share resulting in a value of US\$ 2,237 (R\$4.572).

- **Investment in Thyssenkrupp CSA**

We recorded an impairment charge against the carrying value of our 26.87% interest in Thyssenkrupp CSA to reflect a reduction in the investment recoverable amount. The fair value based on future cash flow and does not take into account the inherent value of our rights as the exclusive suppliers of ore to the mill which comprise an integral component of our investment strategy.

- **Investment in Vale Soluções de Energia**

Changes in the investment strategy of the Company have altered the expected cash flows from operations of our joint venture Vale Soluções de Energia.

The carrying value for VSE was ascertained from the new cash flow projections from financial budgets recently approved by management for the joint venture.

- c) **Goodwill and intangible assets of indefinite life**

The goodwill arose from the process of acquisition of part of our business mainly represented by of iron ore and pellets (R\$4.284), nickel (R\$4.084) and fertilizer (R\$1.328).

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The annual impairment review resulted in no impairment charge both for 2013 and 2012. For impairment testing purpose, we used a specific discount rate by asset, which consider a premium for country and business segment risk.

The key assumption to which the discounted cash flow is more sensitive is the sales prices and production cost.

17. Loans and Financing**a) Total debt**

| | Consolidated | | Current Liabilities | | Parent Company | |
|---|----------------------|----------------------|---------------------|----------------------|----------------------|-----------------|
| | December 31, 2013 | December 31, 2012 | January 1, 2012 | December 31, 2013 | December 31, 2012 | January 1, 2012 |
| Debt contracts abroad | | | | | | |
| Working capital | | | 40 | | | |
| Loans and financing in: | | | | | | |
| United States Dollars | 783 | 1,235 | 1,689 | 536 | 275 | 165 |
| Others currencies | 4 | 29 | 33 | | | |
| Fixed rates: | | | | | | |
| Notes indexed in United Stated Dollars | 28 | 253 | | | | |
| Accrued charges | 820 | 662 | 413 | 312 | 212 | 81 |
| | 1,635 | 2,179 | 2,175 | 848 | 487 | 246 |
| Debt contracts in Brazil | | | | | | |
| Loans and financing in: | | | | | | |
| Indexed to TJLP, TR, IGP-M e CDI | 1,756 | 286 | 260 | 1,603 | 241 | 244 |
| Basket of currencies, LIBOR | 411 | 332 | | 405 | 334 | |
| Non-convertible debentures into shares | | 4,000 | | | 4,000 | |
| Fixed rates: | | | | | | |
| Loans in United States Dollars | 14 | 12 | 204 | 14 | 12 | 203 |
| Loans in Reais | 111 | 78 | | 106 | 65 | |
| Accrued charges | 231 | 206 | 208 | 205 | 189 | 199 |
| | 2,523 | 4,914 | 672 | 2,333 | 4,841 | 646 |
| | 4,158 | 7,093 | 2,847 | 3,181 | 5,328 | 892 |

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| | Consolidated | | | | Parent Company | |
|---|----------------------|----------------------|-------------------------|----------------------|----------------------|-----------------|
| | December 31, 2013 | December 31, 2012 | Non-current Liabilities | | December 31, 2012 | January 1, 2012 |
| | | | January 1, 2012 | December 31, 2013 | | |
| Debt contracts abroad | | | | | | |
| Loans and financing in: | | | | | | |
| United States Dollars | 10,921 | 6,906 | 4,361 | 8,930 | 5,135 | 3,325 |
| Others currencies | 6 | 535 | 458 | | | |
| Fixed rates: | | | | | | |
| Notes indexed in United | | | | | | |
| Stated Dollars | 32,347 | 27,499 | 19,115 | 3,514 | 3,065 | |
| Euro | 4,840 | 4,043 | 1,812 | 4,840 | 4,043 | 1,812 |
| | 48,114 | 38,983 | 25,746 | 17,284 | 12,243 | 5,137 |
| Debt contracts in Brazil | | | | | | |
| Loans and financing in: | | | | | | |
| Indexed to TJLP, TR, IGP-M e CDI | 11,714 | 11,602 | 7,705 | 11,529 | 11,331 | 7,368 |
| Basket of currencies, LIBOR | 3,198 | 2,436 | | 3,180 | 2,415 | |
| Non-convertible debentures into shares | 870 | 774 | 4,680 | | | 4,000 |
| Fixed rates: | | | | | | |
| Loans in United States | | | | | | |
| Dollars | 186 | 175 | 2,094 | 186 | 175 | 2,091 |
| Loans in Reais | 737 | 793 | | 717 | 703 | |
| | 16,705 | 15,780 | 14,479 | 15,612 | 14,624 | 13,459 |
| | 64,819 | 54,763 | 40,225 | 32,896 | 26,867 | 18,596 |

All the securities issued through our 100% finance subsidiary Vale Overseas Limited, are fully and unconditionally guaranteed by Vale.

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The long-term portion as at December 31, 2013 has maturities as follows:

| | Consolidated | Parent Company |
|--------------|---------------|----------------|
| 2015 | 2,916 | 1,888 |
| 2016 | 4,641 | 2,045 |
| 2017 | 5,638 | 2,081 |
| 2018 | 9,438 | 9,076 |
| 2019 onwards | 42,186 | 17,806 |
| | 64,819 | 32,896 |

As at December 31, 2013, the annual interest rates on the long-term debts were as follows:

| | Consolidated | Parent Company |
|-----------------|---------------|----------------|
| Up to 3% | 15,499 | 13,401 |
| 3,1% to 5% (a) | 13,759 | 5,688 |
| 5,1% to 7% (b) | 29,195 | 10,688 |
| 7,1% to 9% (b) | 2,731 | |
| 9,1% to 11% (b) | 1,340 | 1,014 |
| Over 11% (b) | 6,175 | 5,286 |
| Variable | 278 | |
| | 68,977 | 36,077 |

(a) Includes Eurobonds. For this operation we have entered into derivative transactions at a coupon of 4.51% per year in US dollars.

(b) Includes Brazilian Real denominated debt that bears interest at the CDI and TJLP, plus spread. For these operations, we have entered into derivative transactions to mitigate our exposure to the floating rate debt denominated in Brazilian Real, totaling R\$14,295 of which R\$13,553 has an original interest rate above 5.1% per year. The average cost of debts not denominated in U.S. Dollars after entering derivatives transactions is 2.29% per year.

| Non-convertible Debentures | Quantity as at December 31, 2013 | | Maturity | Interest | December 31, 2013 | Balance December 31, 2012 | January 1, 2012 |
|----------------------------|----------------------------------|-------------|-------------------|-------------------|-------------------|---------------------------|-----------------|
| | Issued | Outstanding | | | | | |
| 2nd Series | 400,000 | 400,000 | November 20, 2013 | 100% CDI + 0.25% | | 4,033 | 4,050 |
| Tranche B - Salobo | 5 | 5 | No date | 6.5% p.a + IGP-DI | 870 | 774 | 679 |

| | | | |
|--------------------|------------|--------------|--------------|
| | 870 | 4,807 | 4,729 |
| Short-term portion | | 4,000 | |
| Long-term portion | 870 | 774 | 4,680 |
| Accrued charges | | 33 | 49 |
| | 870 | 4,807 | 4,729 |

b) Funding

In November and December 2013, Vale entered into some five years pre-export financing facilities linked to future receivables from export sales totaling R\$3,232. The amounts related to these contracts were fully disbursed.

In December 2013, Vale issued R\$650 in export credit notes to Brazilians commercial banks that will mature in 2023.

On January 15, 2014 (subsequent event), Vale issued infrastructure debentures in the total amount of R\$1 billion. In last quarter of 2013 Vale paid approximately R\$4 billion of its total debt.

c) Revolving credit lines

In June 2013 Vale entered into a new facility with Banco Nacional de Desenvolvimento Econômico Social (BNDES) for a total amount of R\$109, to finance the acquisition of domestic equipment in Brazil.

In July 4, 2013 Vale entered into a five-year revolving credit facility with a syndicate of 16 commercial banks that added R\$4,685 to the total amount available under our revolving credit facilities. Considering the existing R\$7,028 facility that will mature in 2016, the total amount Vale has available under revolving credit lines is currently R\$11,713.

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| Type | Contractual Currency | Date of agreement | Available until | Credit line | | Amounts drawn on | |
|---|-------------------------|-----------------------|--------------------|---------------------------|----------------------|----------------------|-----------------|
| | | | | Total amount available | December 31, 2013 | December 31, 2012 | January 1, 2012 |
| Revolving Credit Lines | | | | | | | |
| Revolving Credit Facility - Vale/ Vale International/ Vale Canada | US\$ | April 2011 | 5 years | 7,028 | | | |
| Revolving Credit Facility - Vale/ Vale International/ Vale Canada | US\$ | July 2011 | 5 years | 4,685 | | | |
| Credit Lines | | | | | | | |
| Export-Import Bank of China e Bank of China Limited | US\$ | September 2010 (a) | 13 years | 2,879 | 2,308 | 1,960 | 1,093 |
| BNDES | R\$ | April 2008 (b) | 10 years | 7,300 | 4,626 | 3,582 | 2,795 |
| BNDES - CLN 150 | R\$ | September 2012 (c) | 10 years | 3,883 | 3,079 | 2,109 | |
| BNDES - Investment Sustenance Program (PSI) 3.0% | R\$ | June 2013 (d) | 10 years | 109 | 87 | | |
| BNDES - Tecored 3.5% | R\$ | December 2013 (e) | 8 years | 137 | | | |

- (a) Acquisition of twelve large ore carriers from Chinese shipyards.
- (b) Memorandum of Understanding (MOU) signature date, however the term of the financing projects is counted from the date of signature of each projects additive.
- (c) Capacitação Logística Norte 150 Project (CLN 150).
- (d) Acquisition of a domestic equipment.
- (e) Support to Tecored's investment plan from 2013 to 2015

The currency of total amount available and disbursed different from reporting currency is affected by exchange rate variation among periods.

These credit lines from Nexi, JBIC, K-Sure, EDC, BNDES: Vale Fertilizantes, PSI 4.50% and 5.50% were taken off this note, because they have been used in its entirety.

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On January 30, 2014 (subsequent event) Vale entered into a new facility with the Canadian agency EDC for a total amount of R\$1,816. No withdrawn occurred.

c) Guarantee

On December 31, 2013, R\$3,410 of the total aggregate outstanding debt was secured by property, plant and equipment and receivables.

d) Covenants

Our principal covenants require us to maintain certain ratios, such as debt to EBITDA (Earnings before Interests, Taxes, Depreciation and Amortization) and interest coverage. We have not identified any instances of noncompliance as at December 31, 2013.

18. Asset retirement obligation

The Company uses various judgments and assumptions when measuring its obligations related to the retirement of assets. The accrued amounts of these obligations are not deducted from the potential costs covered by insurance or indemnities, because their recovery is considered uncertain.

Long term interest rates used to discount these obligations to their present values and to update the provisions as at December 31, 2013, 2012 and 2011 were 6.39% p.a., 5.03% p.a. and 5.82%p.a., respectively. The liability is periodically updated based on these discount rates plus the inflation index (IGPM) for the period in reference.

The changes in the provision for asset retirement obligation are as follows:

| | December 31, 2013 | Consolidated December 31, 2012 | December 31, 2011 | December 31, 2013 | Parent Company December 31, 2012 | December 31, 2011 |
|--|----------------------|--------------------------------------|----------------------|----------------------|--|----------------------|
| Balance at beginning of year | 5,615 | 3,563 | 2,528 | 1,625 | 1,116 | 805 |
| Increase expense | 414 | 333 | 211 | 174 | 154 | 102 |
| Settlement in the current period | (90) | (28) | (95) | (35) | (4) | (52) |
| Revisions in estimated cash flows | 102 | 1,598 | 815 | 182 | 359 | 261 |
| Cumulative translation adjustments | 162 | 149 | 104 | | | |
| Net effect of discontinued operations | | | | | | |
| Transfer held for sale | (9) | | | | | |
| Balance at end of year | 6,194 | 5,615 | 3,563 | 1,946 | 1,625 | 1,116 |

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| | | | | | | |
|-------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Current | 225 | 143 | 136 | 90 | | 21 |
| Non-current | 5,969 | 5,472 | 3,427 | 1,856 | 1,625 | 1,095 |
| | 6,194 | 5,615 | 3,563 | 1,946 | 1,625 | 1,116 |

Table of Contents**19. Provision for litigation**

Vale is a party to labor, civil, tax and other ongoing lawsuits and is discussing these issues both administratively and in court. When applicable, these lawsuits are supported by judicial deposits. Provisions for losses resulting from these processes are estimated and updated by the Company, supported by the legal advice of the legal board of the Company and by its legal consultants.

| | Consolidated Year ended as at | | | | Total of litigation provision |
|--|--|-------------------------|-------------------------|-------------------------------------|--|
| | Tax litigation | Civil litigation | Labor litigation | Environmental litigation | |
| Balance as at January 1, 2011 | 1,249 | 847 | 1,234 | 78 | 3,408 |
| Additions | 156 | 118 | 848 | 16 | 1,138 |
| Reversals | (165) | (348) | (306) | (21) | (840) |
| Payments | (57) | (154) | (377) | (26) | (614) |
| Indexation and interest | (12) | (11) | (8) | 14 | (17) |
| Cumulative translation adjustments | 52 | | | | 52 |
| Effect of discontinued operations | | | | | |
| Net changes of the year | 1 | 3 | 14 | | 18 |
| Balance as at December 31, 2011 | 1,224 | 455 | 1,405 | 61 | 3,145 |
| Additions | 1,175 | 279 | 618 | 22 | 2,094 |
| Reversals | (155) | (95) | (341) | (11) | (602) |
| Payments | (318) | (74) | (63) | (4) | (459) |
| Indexation and interest | 65 | (7) | (67) | 2 | (7) |
| Cumulative translation adjustments | 48 | 26 | | | 74 |
| Effect of discontinued operations | | | | | |
| Net changes of the year | | (9) | (13) | | (22) |
| Transfer to held for sale | | | (5) | | (5) |
| Balance as at December 31, 2012 | 2,039 | 575 | 1,534 | 70 | 4,218 |
| Additions | 45,226 | 186 | 567 | 14 | 45,993 |
| Reversals | (23,422) | (144) | (403) | (28) | (23,997) |
| Payments | (6,738) | (371) | (143) | (1) | (7,253) |
| Indexation and interest | (40) | 281 | 146 | 9 | 396 |
| Transfer to income taxes - settlement program | (16,345) | | | | (16,345) |
| Cumulative translation adjustments | 53 | (2) | | | 51 |
| Effect of discontinued operations | | | | | |
| Net changes of the year | | (8) | 6 | | (2) |
| Transfer to held for sale | (2) | (19) | (54) | 3 | (72) |
| Balance as at December 31, 2013 | 771 | 498 | 1,653 | 67 | 2,989 |

| | |
|-------------------------|--|
| | Parent Company Year ended as at |
| Tax litigation | Labor litigation |
| Civil litigation | |

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| | | | | Environmental litigation | Total of litigation provision |
|--|--------------|------------|--------------|-----------------------------|----------------------------------|
| Balance at January 1, 2012 | 442 | 223 | 1,217 | 46 | 1,928 |
| Additions | 1,129 | 107 | 581 | 7 | 1,824 |
| Reversals | (127) | (48) | (384) | (8) | (567) |
| Payments | (312) | (51) | (38) | (4) | (405) |
| Monetary adjustment | 81 | 16 | (12) | 2 | 87 |
| Balance at December 31, 2012 | 1,213 | 247 | 1,364 | 43 | 2,867 |
| Additions | 44,377 | 147 | 434 | 9 | 44,967 |
| Reversals | (23,023) | (75) | (339) | (26) | (23,463) |
| Payments | (6,459) | (115) | (97) | | (6,671) |
| Monetary adjustment | 181 | 17 | 110 | 9 | 317 |
| Transfer to income taxes - settlement program | (16,009) | | | | (16,009) |
| Balance at December 31, 2013 | 280 | 221 | 1,472 | 35 | 2,008 |

Provisions for tax litigation - The nature of tax contingencies balances refer to discussions on the basis of calculation of the Financial Compensation for Exploiting Mineral Resources (CFEM) and denials of compensation claims of credits in the settlement of federal taxes in Brazil, and mining taxes in our foreign subsidiaries. The other causes refer to the charges of Additional Port Workers Compensation (AITP) and questions about the location for the purpose of incidence of Service Tax (ISS).

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In November 2013 we elected to participate in the REFIS, a federal tax settlement program with respect to most of the claims related to the collection of income tax and social contribution on equity gain of foreign subsidiaries and affiliates which the expectation of loss was classified as possible (Note 20). See below the REFIS changes initially recognized as provisions for tax litigation.

| | REFIS changes in tax litigation | |
|--|---------------------------------|----------------|
| | Consolidated | Parent Company |
| Balance as at January 1, 2013 | | |
| Additions | 45,000 | 44,296 |
| Reversals REFIS benefit acquired | (22,778) | (22,493) |
| Payments: | (6,032) | (5,946) |
| Indexation and interest | 155 | 152 |
| Transfer to income taxes - settlement program: | | |
| Current liabilities | (1,102) | (1,079) |
| Non-current liabilities | (15,243) | (14,930) |
| Balance as at December 31, 2013 | | |

As a consequence the amount of possible tax contingent liabilities has been reduced in 2013.

On September 2012, we have considered as probable the loss related to the deductibility of transportation expenditures in arriving at the amount upon which the CFEM is calculated, increasing the provision of R\$1.1 billion. Since then we paid R\$831 of CFEM. As at December 31, 2013, December 31, 2012 and January 1, 2011 the total liability to CFEM recognized was R\$141, R\$1,060 and R\$283, respectively.

Provisions for civil litigation - They are related to the demands that involve contracts between Vale and unrelated companies with their service providers, requiring differences in values due to alleged losses that have occurred due to various economic plans, other demands are related to accidents, actions damages and still others related to monetary compensation in action vindicatory.

Provisions for labor and social security litigation - Consist of lawsuits filed by employees and service providers, from employment relationship. The most recurring claims are payment of overtime, hours *in itinere*, and health and safety. The social security contingencies are from legal and administrative disputes between the INSS and the Vale companies, relating to compulsory social security or not.

In addition to those provisions, there are judicial deposits. These court-ordered deposits are accruing interest and are reported in noncurrent assets. Judicial deposits are as follows:

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| | December 31, 2013 | Consolidated December 31, 2012 | January 1, 2012 | December 31, 2013 | Parent Company December 31, 2012 | January 1, 2012 |
|---------------------------|----------------------|--------------------------------------|-----------------|----------------------|--|-----------------|
| Tax litigations | 1,014 | 889 | 771 | 590 | 549 | 474 |
| Civil litigations | 411 | 350 | 283 | 359 | 286 | 184 |
| Labor litigations | 2,039 | 1,845 | 1,671 | 1,913 | 1,629 | 1,425 |
| Environmental litigations | 27 | 11 | 10 | 26 | 10 | 8 |
| Total | 3,491 | 3,095 | 2,735 | 2,888 | 2,474 | 2,091 |

The Company is challenging at administrative and judicial levels, claims where the expectation of loss is classified as possible and considers that there is no need to recognize a provision. These possible contingent liabilities are split between tax, civil, labor and social security, and are as follows:

| | December 31, 2013 | Consolidated December 31, 2012 | January 1, 2012 | December 31, 2013 | Parent Company December 31, 2012 | January 1, 2012 |
|---------------------------|----------------------|--------------------------------------|-----------------|----------------------|--|-----------------|
| Tax litigations | 8,877 | 33,702 | 33,569 | 4,842 | 30,675 | 30,814 |
| Civil litigations | 1,799 | 2,296 | 2,772 | 1,646 | 1,784 | 1,567 |
| Labor litigations | 6,793 | 3,531 | 3,592 | 5,053 | 3,053 | 3,348 |
| Environmental litigations | 2,729 | 3,417 | 2,010 | 2,716 | 3,388 | 2,009 |
| Total | 20,198 | 42,946 | 41,943 | 14,257 | 38,900 | 37,738 |

The most significant possible loss tax risk relates to the deductibility of social contribution payments on the Income Tax Bases.

Table of Contents**20. Income Taxes Settlement Program (REFIS)**

In October 2013 the Brazilian tax authority established a corporate Income Tax Settlement Program (REFIS), related to the collection of Income tax and Social Contribution on equity earning of foreign subsidiaries of Brazilian companies. Under the terms of this REFIS, the amounts due through December 31, 2012 may be paid as follows: (i) upfront payment with 100% reduction of penalty, interest and other legal charges or (ii) in 180 monthly installments, with 20% down payment at the time of joining the program, with 80% reduction of penalty, 50% reduction of interest and 100% reduction of legal charges.

As mentioned in Note 19, Vale is subject to claim by the Brazilian tax authorities related to the collection of Income taxes on equity gain on foreign subsidiaries and affiliates. The classification of those claims as possible loss remains unchanged, and as a consequence, no provision had been recorded.

In November 2013, The Company elected to participate in the REFIS for payment of amounts relating to income tax and social contribution on the net income of its non-Brazilian subsidiaries and affiliates from 2003 to 2012. Our participation in the REFIS resulted in a substantial reduction in the amounts in dispute and is consistent with our goal of eliminating uncertainties and focusing on our core businesses while preserving potential benefits from legal challenges to the tax regime for foreign subsidiaries.

Among the options offered by the REFIS legislation, we elected to settle the 2003, 2004 and 2006 obligation, and pay in monthly installments with penalties and interest the remaining years 2005 and 2007 to 2012.

As detailed in Note 19, following the REFIS, vale's total obligation is R\$22.2 billion. Including the upfront payments and the first installment, Vale paid R\$6.0 billion in 2013 and the remaining R\$16.3 billion will be paid in 178 monthly installments, bearing interest at the SELIC rate.

The effects of the Statement of Income in 2013 are summarized as follows:

| | |
|---|----------------|
| Finance expense | |
| Initial recognition of interest/fines | (27,916) |
| Reversal of interest /fines - benefit from electing to join the program | 21,877 |
| Net increase on financial expenses | (6,039) |
| Income tax expense | |

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| | |
|--|-----------------|
| Recognition of obligation | (17,084) |
| Tax effect of deductibility of interest/fines | 6,516 |
| Other effects | 1,793 |
| | (8,775) |
| Amount related to discontinued operation | (496) |
| Net effect on income tax expense - continued operations | (9,271) |
| Total effect on Statement of Income | (15,310) |

21. Deferred Income Tax

We analyze the potential tax impact associated with undistributed earnings of each our subsidiaries and affiliates. For those subsidiaries in which undistributed earnings are intended to be reinvested indefinitely, no deferred tax is recognized. Undistributed earnings of foreign consolidated subsidiaries and affiliates totaled approximately R\$65,893 (US\$28,128) on December 31, 2013, based on international accounting standard (IFRS). As described in Note 20, in 2013 we entered in the Brazilian REFIS program to pay the amounts relating to the collection of income taxes on equity gain on foreign subsidiaries and affiliates from 2003 to 2012 and therefore, the repatriation of these earnings would have no Brazilian tax consequences.

The income of the Company is subject to the common system of taxation applicable to companies in general. The net deferred balances were as follows:

| | December 31, 2013 | Consolidated December 31, 2012 (i) | January 1, 2012 (i) | December 31, 2013 | Parent Company December 31, 2012 (i) | January 1, 2012 (i) |
|-------------------------------------|-------------------|--|------------------------|-------------------|--|------------------------|
| Taxes losses carryforward | 4,809 | 2,604 | 1,709 | 728 | | |
| Temporary differences: | | | | | | |
| Pension plan | 1,505 | 1,769 | 1,323 | 174 | 241 | 162 |
| Provision for litigation | 800 | 1,173 | 872 | 683 | 1,062 | 708 |
| Impairment of assets | 2,255 | 1,727 | 1,478 | 1,284 | 853 | 748 |
| Fair value of financial instruments | 2,517 | 1,647 | 991 | 2,517 | 1,647 | 994 |
| Allocated goodwill | (11,184) | (10,279) | (12,290) | | | |
| Impairment | 2,863 | 3,206 | | 2,729 | 2,575 | |
| Others | (531) | (566) | (726) | (697) | (672) | (475) |
| Total | 3,034 | 1,281 | (6,643) | 7,418 | 5,706 | 2,137 |
| Assets | 10,596 | 8,282 | 3,567 | 7,418 | 5,706 | 2,137 |
| Liabilities | (7,562) | (7,001) | (10,210) | | | |
| | 3,034 | 1,281 | (6,643) | 7,418 | 5,706 | 2,137 |

(i) Recast according to Note 6.

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| | Assets | Consolidated Liabilities | Total |
|--|---------------|-----------------------------|-----------------|
| Balance at January 1, 2011 (i) | 2,263 | 12,641 | (10,378) |
| Net income effect | 1,085 | 525 | 560 |
| Subsidiary acquisition (sales) | | 127 | (127) |
| Cumulative translation adjustment | 170 | 706 | (536) |
| Deferred social contribution | | (3,574) | 3,574 |
| Other comprehensive income | 49 | (205) | 254 |
| Net effect of discontinued operations | | | |
| Net movements of the year | | (10) | 10 |
| Balance at December 31, 2011 (i) | 3,567 | 10,210 | (6,643) |
| Net income effect | 4,482 | (3,052) | 7,534 |
| Subsidiary acquisition (sales) | (36) | (188) | 152 |
| Cumulative translation adjustment | 87 | 573 | (486) |
| Other comprehensive income | 182 | (339) | 521 |
| Net effect of discontinued operations | | | |
| Net movements of the year | | 20 | (20) |
| Transfer to held for sale | | (223) | 223 |
| Balance at December 31, 2012 (i) | 8,282 | 7,001 | 1,281 |
| Net income effect | 1,731 | (388) | 2,119 |
| Cumulative translation adjustment | 249 | 646 | (397) |
| Constitution/Reversal for loss of tax losses | 429 | | 429 |
| Other comprehensive income | (95) | 495 | (590) |
| Net effect of discontinued operations | | | |
| Net movements of the year | 652 | (7) | 659 |
| Transfer to held for sale | (652) | (185) | (467) |
| Balance at December 31, 2013 | 10,596 | 7,562 | 3,034 |

| | Parent Company Assets |
|--|--------------------------|
| Balance at January 1, 2012 (i) | 2,137 |
| Net income effect | 3,394 |
| Other comprehensive income | 175 |
| Balance at December 31, 2012 (i) | 5,706 |
| Net income effect | 1,079 |
| Addition/settlement of temporary difference | |
| Constitution/Reversal for loss of tax losses | 728 |
| Reversal of deferred income tax | |
| Other comprehensive income | (95) |
| Balance at December 31, 2013 | 7,418 |

(i) Recast according to Note 6.

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The deferred assets arising from tax losses, negative social contribution and temporary differences are recognized in the accounts, taking into consideration the analysis of future performance, based on economic and financial projections, prepared based on assumptions internal and macroeconomic, trade and tax scenarios that may suffer changes in the future.

These temporary differences that will be performed upon the occurrence of the corresponding relevant facts generators have the following expectations:

| | December 31, 2013 | Consolidated December 31, 2012 | January 1, 2012 | December 31, 2013 | Parent Company December 31, 2012 | January 1, 2012 |
|--|----------------------|--------------------------------------|-----------------|----------------------|--|-----------------|
| Deferred income tax and social contribution | | (i) | | (i) | (i) | (i) |
| to be recovered within 12 months | 1,780 | 727 | 581 | 1,417 | 466 | 316 |
| to be recovered after than 12 months | 1,254 | 554 | (7,224) | 6,001 | 5,240 | 1,821 |
| | 3,034 | 1,281 | (6,643) | 7,418 | 5,706 | 2,137 |

(i) Recast according to Note 6.

The income taxes in Brazil comprise the taxation on income and social contribution on profit. The composite statutory rate applicable in the period presented is 34%. In other countries where we have operations, we are subject to various rates depending on jurisdiction.

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The total amount presented as income tax and social contribution results in the financial statements is reconciled with the rates established by law, as follows:

| | Consolidated | | | Parent Company | |
|---|-----------------|-------------------------------|-----------------|-----------------|----------------|
| | 2013 | Year ended as at December 31, | | 2013 | 2012 |
| | | 2012 (i) | 2011 (i) | | (i) |
| Income before tax and social contribution | 14,995 | 6,929 | 46,063 | 15,403 | 9,990 |
| Income tax and social contribution at statutory rates - 34% | (5,098) | (2,356) | (15,661) | (5,237) | (3,397) |
| Adjustments that affects the basis of taxes: | | | | | |
| Income tax benefit from interest on stockholders equity | 2,688 | 2,601 | 2,776 | 2,688 | 2,601 |
| Tax incentive | | 393 | 1,195 | | 390 |
| Results of overseas companies taxed by different rates which differs from the parent company rate | 408 | 234 | 2,300 | | |
| Income taxes statement program - REFIS (Note 20) | (11,345) | | | (10,982) | |
| Constitution/Reversal for loss of tax losses | 387 | (445) | (485) | | |
| Reversal of deferred tax | | 2,533 | | | |
| Results of equity investments | 373 | 422 | 631 | (668) | 206 |
| Undeductible impairment | (1,687) | (747) | | | |
| Other (ii) | (975) | (40) | 740 | (1,089) | 102 |
| Income tax and social contribution on the profit for the year | (15,249) | 2,595 | (8,504) | (15,288) | (98) |

(i) Year adjusted according to Note 6.

(ii) Include mainly provisional tax on export sale.

- Tax incentives**

In Brazil, Vale has a tax incentive for the partial reduction of income tax due to the amount equivalent to the portion allocated by tax law to transactions in the North and Northeast regions with iron, pellets, railroad, manganese, copper and potash. The incentive is calculated based on the tax profit of the activity (called operating income), takes into consideration the allocation of operating profit by incentive production levels during the periods specified for each product as grantees, and generally, for 10 years and are in the case of Company expire until 2020. An amount equal to that obtained with the tax saving must be appropriated in a retained earnings reserve account in Stockholders' equity, and may not be distributed as dividends to Stockholders.

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Vale benefits from the allocation of part of income tax due to be reinvested in the purchase of equipment in incentive operation, subject to subsequent approval by the regulatory agency in the incentive area of Superintendence for the Development of Amazonia (SUDAM) and the Superintendence for the Development of Northeast (SUDENE). When the reinvestment approved, the tax benefit is also appropriate in retained earnings reserve, which impaired is the distribution as dividends to Stockholders

Vale also has tax incentives related to the production of nickel from Vale New Caledonia (VNC). These incentives include temporary exemptions of the total income tax during the construction phase of the project, and also for a period of 15 years beginning in the first year of commercial production as defined by applicable law, followed by 5 years with refund of 50% of temporary. In addition, VNC is eligible for certain exemptions from indirect taxes such as import tax during the construction phase and throughout the commercial life of the project. Some of these tax benefits, including temporary tax incentives, are subject to an earlier interruption if the project achieves a specified cumulative rate of return. VNC is taxable for a portion of profits starting in the first year that commercial production is reached, as defined by applicable law. So far, there has been no taxable income realized in New Caledonia. Vale also received tax incentives for projects in Mozambique, Oman and Malaysia.

Vale is subject to the revision of income tax by local tax authorities for up to five years in companies operating in Brazil, ten years for operations in Indonesia and up to seven years for companies with operations in Canada.

22. Employee Benefits Obligations

a) Retirement Benefits Obligations

In Brazil, the management of the pension plans of the Company is the responsibility of the Fundação Vale do Rio Doce de Seguridade Social (Valia) a nonprofit private entity with administrative and financial autonomy.

Certain of the Company's employees are, participants in variable contribution defined benefit plans (Plano de Benefício Vale Mais e Plano de Benefício VALIAPREV or the New Plan), specific coverage for death, pensions and disability allowances and other defined contributions for programmable benefits. The defined benefits plan is subject to actuarial evaluations. The defined contribution plan represents a fixed amount held on behalf of the participants.

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The Company also maintains sponsor a pension plan with defined benefit characteristics, covering almost exclusively retirees and their beneficiaries, the plan is in surplus and contributions by the Company are not expressive.

Due to the migration of assets to Vale Mais Plan in May 2000 the Company employees maintained a defined benefit plan (proportional benefit) for these employees and beneficiaries. This plan is funded by monthly contributions made by the Company, calculated based on periodic actuarial valuations.

Additionally, the Company sponsors a specific group of former employees entitled to receive additional benefits from Valia normal payments, through the so called Complementation Bonus plus post-retirement benefit that covers medical, dental and pharmaceutical assistance.

The Company also has defined benefit plans and other post-employment benefits administered by other foundations and social security entities benefit all employees.

Employers disclosure about pensions and other post-retirement benefits on the status of the defined benefit elements of all plans is provided.

We use a measurement date December 31, 2013 for our pension and post retirement benefit plans.

i. Change in benefit obligation:

| | Overfunded pension plans | Consolidated Underfunded pension plans | Others underfunded pension plans |
|--|--------------------------|--|-------------------------------------|
| Benefit obligation as of January 10, 2011 (i) | 6,037 | 9,434 | 2,657 |
| Service Cost | 30 | 132 | 30 |
| Interest Cost | 859 | 455 | 164 |
| Benefits paid | (576) | (608) | (138) |
| Participant contributions | 4 | | |
| Plan amendment | | 8 | |
| Transfers | 1,886 | (1,886) | |
| Effects of change in financial assumptions | 263 | 43 | 19 |
| Effects of setting the experiment | 112 | 514 | 219 |
| Effect of business combinations | | 13 | 3 |

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| | | | |
|---|--------------|---------------|--------------|
| Effect of exchange rate changes | | 422 | 256 |
| Benefit obligation as of December 31, 2011 (i) | 8,615 | 8,527 | 3,210 |
| Service Cost | | 223 | 69 |
| Interest Cost | 603 | 788 | 194 |
| Benefits paid | (463) | (851) | (148) |
| Participant contributions | | 3 | |
| Plan amendment | | (68) | 45 |
| Transfers | (2,803) | 2,927 | 32 |
| Early liquidation plan | | (59) | |
| Effects of change in financial assumptions | 884 | 979 | 146 |
| Effects of setting the experiment | 454 | 1,209 | 495 |
| Effect of business combinations | | | (52) |
| Effect of exchange rate changes | | 945 | 188 |
| Benefit obligation as of December 31, 2012 (i) | 7,290 | 14,623 | 4,179 |
| Service Cost | 106 | 210 | 91 |
| Interest Cost | 995 | 475 | 282 |
| Benefits paid | (674) | (722) | (163) |
| Participant contributions | 3 | 1 | |
| Plan amendment | | | (35) |
| Transfers | 4,127 | (4,121) | |
| Early liquidation plan | | (240) | (31) |
| Effects of change in demographic assumptions | (14) | 313 | 45 |
| Effects of change in financial assumptions | (1,424) | (964) | (490) |
| Effects of setting the experiment | (852) | 69 | (93) |
| Effect of business combinations | | 5 | |
| Effect of exchange rate changes | | 671 | 181 |
| Benefit obligation as of December 31, 2013 | 9,557 | 10,320 | 3,966 |

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| | Overfunded pension plans | Parent Company Underfunded pension plans | Others underfunded pension plans |
|---|--------------------------|--|-------------------------------------|
| Benefit obligation as of January 10, 2012(i) | 7,789 | 951 | 471 |
| Service Cost | | 52 | 7 |
| Interest Cost | 603 | 322 | 52 |
| Benefits paid | (463) | (178) | (49) |
| Participant contributions | | 2 | |
| Transfers | (1,977) | 1,977 | |
| Effects of change in financial assumptions | 884 | 782 | 118 |
| Effects of setting the experiment | 454 | 219 | 105 |
| Effect of business combinations | | | (52) |
| Benefit obligation as of December 31, 2012 (i) | 7,290 | 4,127 | 652 |
| Service Cost | 106 | | |
| Interest Cost | 995 | | 55 |
| Benefits paid | (674) | | (52) |
| Participant contributions | 3 | | |
| Transfers | 4,127 | (4,127) | |
| Effects of change in demographic assumptions | (14) | | |
| Effects of change in financial assumptions | (1,424) | | (101) |
| Effects of setting the experiment | (852) | | (38) |
| Benefit obligation as of December 31, 2013 | 9,557 | | 516 |

(i) Year adjusted according to Note 6.

ii. Evolution of the fair value of assets

| | Overfunded pension plans | Consolidated Underfunded pension plans | Others underfunded pension plans |
|---|-----------------------------|--|-------------------------------------|
| Fair value of plan assets on January 10, 2011 | | | |
| (i) | 9,307 | 7,726 | 22 |
| Interest income | 1,224 | 179 | |
| Employer contributions | 109 | 858 | 138 |
| Participant contributions | 4 | | |
| Benefits paid | (576) | (608) | (138) |
| Transfers | 1,841 | (1,841) | |
| Early liquidation plan | | (23) | (18) |
| Return on plan assets (excluding interest income) | (182) | 37 | |
| Effect of exchange rate changes | | 515 | (2) |
| Fair value of plan assets on December 31, 2011 | | | |
| (i) | 11,727 | 6,843 | 2 |
| Interest income | 916 | 750 | |

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| | | | |
|---|---------------|---------------|----------|
| Employer contributions | 1 | 436 | 149 |
| Participant contributions | | 4 | |
| Benefits paid | (463) | (858) | (149) |
| Transfers | (3,012) | 3,012 | |
| Return on plan assets (excluding interest income) | (154) | 806 | |
| Effect to business combinations | | (86) | |
| Effect of exchange rate changes | | 712 | |
| Fair value of plan assets on December 31, 2012 | | | |
| (i) | 9,015 | 11,619 | 2 |
| Interest income | 1,131 | 363 | |
| Employer contributions | 304 | 411 | 163 |
| Participant contributions | 3 | 1 | |
| Benefits paid | (674) | (722) | (163) |
| Transfers | 3,813 | (3,813) | |
| Administrative expenses | | (11) | |
| Early liquidation plan | | (197) | |
| Return on plan assets (excluding interest income) | (1,245) | 684 | |
| Effect of exchange rate changes | | 576 | (2) |
| Fair value of plan assets on December 31, 2013 | 12,347 | 8,911 | |

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| | Overfunded pension plans | Parent Company Underfunded pension plans | Others underfunded pension plans |
|---|--------------------------|--|----------------------------------|
| Fair value of plan assets on January 10, 2012 | | | |
| (i) | 10,771 | 792 | |
| Interest income | 916 | 319 | |
| Employer contributions | 1 | 281 | 49 |
| Participant contributions | | 2 | |
| Transfers | (2,056) | 2,056 | |
| Benefits paid | (463) | (178) | (49) |
| Return on plan assets (excluding interest income) | (154) | 541 | |
| Fair value of plan assets on December 31, 2012 | | | |
| (i) | 9,015 | 3,813 | |
| Interest income | 1,131 | | |
| Employer contributions | 304 | | 52 |
| Participant contributions | 3 | | |
| Transfers | 3,813 | (3,813) | |
| Benefits paid | (674) | | (52) |
| Return on plan assets (excluding interest income) | (1,245) | | |
| Fair value of plan assets on December 31, 2013 | 12,347 | | |

(i) Recast according to Note 6.

Plan assets managed by Valia on December 31, 2013, December 31, 2012 and January 1, 2012 include investments in a portfolio of our own stock amounting to R\$482, R\$613 and R\$636, investments in debentures amounting to R\$154, R\$116 and R\$117 and equity investments from related parties amounting to R\$13, R\$4 and R\$157, respectively. They also include at December 31, 2013, December 31, 2012 and January 1, 2012, R\$7,285, R\$7,953 and R\$6,637 of Brazilian Federal Government Securities. The Vale Canada Limited pension plan assets as at December 31, 2013, December 31, 2012 and January 1, 2012 included Canadian Government securities amounted to R\$1,848, R\$987 and R\$1,219, respectively. The Vale Fertilizantes and Ultrafertil as at December 31, 2013, December 31, 2012 and January 1, 2012 include Brazilian Federal Government in securities of R\$429, R\$390 and R\$278, respectively.

iii. Reconciliation of assets and liabilities recognized in the balance sheet

| December 31, 2013 | | | Plans in Brazil Consolidated December 31, 2012 | | | January 1, 2012 | | |
|--------------------------|---------------------------|----------------------------------|--|---------------------------|----------------------------------|--------------------------|---------------------------|----------------------------------|
| Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans |
| | | | | | | | | |

| | | | | | | | | | |
|--|--------------|--|--|--------------|------|--|--|--------------|--|
| Ceiling recognition of an asset (ceiling) / onerous liability | | | | | | | | | |
| Beginning of the year | 1,725 | | | 2,982 | | | | 3,217 | |
| Transfers | | | | (79) | 79 | | | | |
| Interest income | 154 | | | 313 | 9 | | | 363 | |
| Change in the assets ceiling | 911 | | | (1,491) | (88) | | | (598) | |
| Ended of the year | 2,790 | | | 1,725 | | | | 2,982 | |

| | | | | | | | | | |
|---|---------|-------------|--------------|---------|--------------|--------------|---------|--------------|--------------|
| Amount recognized in the balance sheet | | | | | | | | | |
| Present value of actuarial liabilities | (9,557) | (1,032) | (646) | (7,290) | (5,357) | (943) | (8,615) | (970) | (645) |
| Fair value of assets | 12,347 | 990 | | 9,015 | 4,866 | | 11,727 | 797 | |
| Effect of the asset ceiling | (2,790) | | | (1,725) | | | (3,112) | (1) | |
| Assets (liabilities) to be provisioned | | (42) | (646) | | (491) | (943) | | (174) | (645) |
| Current liabilities | | | (52) | | (177) | (41) | | (21) | (120) |
| Non-current liabilities | | (42) | (594) | | (314) | (902) | | (153) | (525) |
| Assets (liabilities) to be provisioned | | (42) | (646) | | (491) | (943) | | (174) | (645) |

| | December 31, 2013 | | | Foreign plan Consolidated December 31, 2012 | | | January 1, 2012 | | |
|---|--------------------------|---------------------------|----------------------------------|---|---------------------------|----------------------------------|--------------------------|---------------------------|----------------------------------|
| | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans |
| Amount recognized in the balance sheet | | | | | | | | | |
| Present value of actuarial liabilities | | (9,288) | (3,320) | | (9,267) | (3,236) | | (7,557) | (2,565) |
| Fair value of assets | | 7,921 | | | 6,752 | 2 | | 6,046 | 2 |
| Assets (liabilities) to be provisioned | | (1,367) | (3,320) | | (2,515) | (3,234) | | (1,511) | (2,563) |
| Current liabilities | | (22) | (153) | | (59) | (143) | | (52) | (123) |
| Non-current liabilities | | (1,345) | (3,167) | | (2,456) | (3,091) | | (1,459) | (2,440) |
| Assets (liabilities) to be provisioned | | (1,367) | (3,320) | | (2,515) | (3,234) | | (1,511) | (2,563) |

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| | Parent Company | | | | | |
|--|--------------------------|---------------------------|----------------------------------|--------------------------|---------------------------|----------------------------------|
| | December 31, 2013 | | | December 31, 2012 | | |
| | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans |
| Ceiling recognition of an asset (ceiling) / onerous liability | | | | | | |
| Beginning of the year | 1,725 | | | 2,982 | | |
| Transfers | | | | (79) | 79 | |
| Interest income | 154 | | | 313 | 9 | |
| Change in the assets ceiling | 911 | | | (1,491) | (88) | |
| Ended of the year | 2,790 | | | 1,725 | | |
| Amount recognized in the balance sheet | | | | | | |
| Present value of actuarial liabilities | (9,557) | | (516) | (7,290) | (4,127) | (652) |
| Fair value of assets | 12,347 | | | 9,015 | 3,813 | |
| Effect of the asset ceiling | (2,790) | | | (1,725) | | |
| Assets (liabilities) to be provisioned | | | (516) | | (314) | (652) |
| Current liabilities | | | (52) | | (177) | (41) |
| Non-current liabilities | | | (464) | | (137) | (611) |
| Assets (liabilities) to be provisioned | | | (516) | | (314) | (652) |

(i) Recast according to Note 6.

iv. Recorded costs in the statement of income

| | December 31, 2013 | | | Consolidated December 31, 2012 | | | December 31, 2011 | | |
|-----------------------------------|--------------------------|---------------------------|----------------------------------|--------------------------------|---------------------------|----------------------------------|--------------------------|---------------------------|----------------------------------|
| | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans |
| Current service cost | 106 | 210 | 91 | | 223 | 70 | 30 | 131 | 30 |
| Interest on actuarial liabilities | 995 | 475 | 282 | 603 | 800 | 200 | 859 | 455 | 164 |

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| | | | | | | | | |
|--------------------------------|------------|------------|------------|------------|------------|-----------|------------|------------|
| Interest income on plan assets | (1,131) | (363) | (916) | (749) | (1,224) | (179) | | |
| Effect of the asset ceiling | 154 | | 313 | 23 | 363 | | | |
| Total costs, net | 124 | 322 | 373 | 297 | 270 | 28 | 407 | 194 |

| | Parent Company | | | | | |
|-----------------------------------|--------------------------|---------------------------|----------------------------------|--------------------------|---------------------------|----------------------------------|
| | December 31, 2013 | | | December 31, 2012 | | |
| | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans |
| Current service cost | 106 | | | | 52 | 7 |
| Interest on actuarial liabilities | 995 | | 55 | 603 | 322 | 52 |
| Interest income on plan assets | (1,131) | | | (916) | (319) | |
| Effect of the asset ceiling | 154 | | | 313 | 9 | |
| Total costs, net | 124 | | 55 | | 64 | 59 |

(i) Recast according to Note 6.

v. Costs recognized in the statement of other comprehensive income for the year

| | December 31, 2013 | | | Consolidated December 31, 2012 | | | December 31, 2011 | | |
|--|--------------------------|---------------------------|----------------------------------|--------------------------------|---------------------------|----------------------------------|--------------------------|---------------------------|----------------------------------|
| | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans |
| Initial accumulated comprehensive income | (7) | (1,970) | (778) | (7) | (988) | (337) | 12 | (515) | (153) |
| Effect of changes in financial assumptions | 1,438 | 642 | 444 | (884) | (979) | (146) | (263) | (541) | (179) |
| Effect of experience adjustments | 852 | (68) | 93 | (454) | (1,214) | (442) | (74) | (17) | (59) |
| Return on plan assets (excluding interest income) | (1,245) | 731 | | (154) | 805 | | (290) | 35 | |
| Change of asset ceiling / costly liabilities (excluding interest income) | (911) | | | 1,492 | 162 | | 598 | | |
| | 134 | 1,305 | 537 | | (1,226) | (588) | (29) | (523) | (238) |
| Deferred income tax | (42) | (410) | (162) | | 357 | 176 | 10 | 148 | 75 |
| Others comprehensive income | 92 | 895 | 375 | | (869) | (412) | (19) | (374) | (163) |
| Effect of conversion | | (163) | (55) | | (113) | (29) | | (98) | (21) |
| Transfers/ low | (304) | 312 | (2) | | | | | | |
| Accumulated other | (219) | (926) | (460) | (7) | (1,970) | (778) | (7) | (988) | (337) |

comprehensive
income

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| | Parent Company | | | | | |
|--|-----------------------------|------------------------------|--|-----------------------------|------------------------------|--|
| | December 31, 2013 | | | December 31, 2012 | | |
| | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans |
| Initial accumulated comprehensive income | (7) | (297) | (201) | (7) | (51) | (88) |
| Effect of changes in financial assumptions | 1,438 | | 101 | (884) | (782) | (118) |
| Effect of experience adjustments | 852 | | 38 | (454) | (219) | (53) |
| Return on plan assets (excluding interest income) | (1,245) | | | (154) | 541 | |
| Change of asset ceiling / costly liabilities (excluding interest income) | (911) | | | 1,492 | 88 | |
| | 134 | | 139 | | (372) | (171) |
| Deferred income tax | (42) | | (47) | | 126 | 58 |
| Others comprehensive income | 92 | | 92 | | (246) | (113) |
| Transfers/ low | (304) | 304 | | | | |
| Accumulated other comprehensive income | (219) | 7 | (109) | (7) | (297) | (201) |

(i) Year adjusted according to Note 6.

v. Actuarial and economic assumptions

All calculations involve future actuarial projections about some parameters, such as: salaries, interest, inflation, the behavior of INSS benefits, mortality, disability, etc.

The economic actuarial assumptions adopted were formulated considering the long-term period for maturity and should therefore be examined in that light. So, in the short term, they may not necessarily be realized.

In the evaluations were adopted the following economic assumptions:

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| | December 31, 2013 | | | Brazil (p.y.) December 31, 2012 | | | January 1, 2012 | | |
|---|--------------------------|---------------------------|----------------------------------|------------------------------------|---------------------------|----------------------------------|--------------------------|---------------------------|----------------------------------|
| | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans |
| Discount rate to determine the actuarial liability | 12.13% | 12.46% | 12.57% | 8.90% | 9.04% | 9.05% | 10.78% | 11.30% | 11.30% |
| Discount rate to determine the expense / (income) | 8.98% | 8.12% | 8.12% | 8.90% | 9.45% | 9.40% | 10.78% | 11.30% | 11.30% |
| Growth rate of payroll and related charges - up to 47 years | 6.00% | 6.00% | N/A | 8.15% | 8.15% | N/A | 8.15% | 8.15% | N/A |
| Growth rate of payroll and related charges - after 47 years | 6.00% | 6.00% | N/A | 5.00% | 5.00% | N/A | 5.00% | 5.00% | N/A |
| Inflation | 6.00% | 6.00% | 6.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% |
| Nominal growth rate of medical costs | N/A | N/A | 9.18% | N/A | N/A | 8.15% | N/A | N/A | 8.15% |

| | December 31, 2013 | | Foreign (p.y.) December 31, 2012 | | January 1, 2012 | |
|---|---------------------------|----------------------------------|-------------------------------------|----------------------------------|---------------------------|----------------------------------|
| | Underfunded pension plans | Others underfunded pension plans | Underfunded pension plans | Others underfunded pension plans | Underfunded pension plans | Others underfunded pension plans |
| Discount rate to determine the actuarial liability | 4.80% | 5.40% | 4.16% | 4.20% | 5.43% | 5.10% |
| Discount rate for determinate expenses\ (income) | 4.80% | 5.40% | 5.08% | 4.20% | 5.43% | 5.10% |
| Growth rate of payroll and related charges - up to 47 years | 4.00% | 3.00% | 4.04% | 3.00% | 4.10% | 3.00% |
| Growth rate of payroll and related charges - after 47 years | 4.00% | 3.00% | 4.04% | 3.00% | 4.10% | 3.00% |
| Inflation | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% |
| Nominal growth rate of medical costs | N/A | 7.40% | N/A | 7.01% | N/A | 7.22% |

vii. Data from participants:

December 31, 2013

Consolidated
December 31, 2012

January 1, 2012

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| | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans |
|--|--------------------------|---------------------------|----------------------------------|--------------------------|---------------------------|----------------------------------|--------------------------|---------------------------|----------------------------------|
| Number of actives participants | 61,216 | 20,236 | 9,852 | 14 | 81,324 | 11,727 | 54,367 | 17,816 | 9,682 |
| Average age | 35.2 | 37.4 | 41.7 | 52 | 36 | 40 | 34.7 | 39.0 | 41.0 |
| Average service length | 6.9 | 7.4 | 7.8 | 28 | 7 | 7 | 6.5 | 12.1 | 7.9 |
| Number of participants with deferred benefit (*) | 6,829 | 1,573 | | | 6,519 | | 4.1 | | |
| Average age | 36.9 | 49.5 | | | 47 | | 35.1 | | |
| Number of de retirees and pensioners | 21,714 | 16,556 | 32,426 | 16,740 | 19,253 | 31,737 | 19,538 | 17,019 | 32,633 |
| Average age | 66.9 | 71.4 | 66.4 | 67 | 70 | 68 | 65.5 | 72.1 | 63.7 |

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| | Parent Company | | | | | |
|---|-----------------------------|------------------------------|--|-----------------------------|------------------------------|--|
| | December 31, 2013 | | | December 31, 2012 | | |
| | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans |
| Number of actives participants | 61,216 | | | 14 | 63,735 | |
| Average age | 35.2 | | | 52 | 35 | |
| Average service length | 6.9 | | | 28 | 6 | |
| Number of participants with deferred benefit (*) | 6,829 | | | | 5,107 | |
| Average age | 36.9 | | | | 47 | |
| Number of de retirees and pensioners | 21,714 | | 7,163 | 16,740 | 3,267 | 7,144 |
| Average age | 66.9 | | 56.3 | 67.4 | 64.8 | 60.7 |

(*) Off employees of the Company retaining the right to the plane.

vii. Assets of pension plans

Brazilian Plans

The Investment Policy Statements of pension plans sponsored for Brazilian employees are based on a long term macroeconomic scenario and expected returns. An Investment Policy Statement was established for each obligation by following results of a strategic asset allocation (ALM Asset Liability Management) study.

Plan asset allocations comply with pension funds local regulation (CMN Resolution 3,792/09). The plans are allowed to invest in six different asset classes, defined as Segments by the law, as follows: Fixed Income, Equity, Structured Investments (Alternative Investments and Infra-Structure Projects), International Investments, Real Estate and Loans to Participants in compliance with pre approved policies.

The investment policy aims to achieve the adequate diversification, income and long-term appreciation, by combining all classes of assets to meet the obligations of the various plans with appropriate level of risk.

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The pension fund has a risk management process with established policies aimed to identify measure and control all kinds of risk they are exposed benefit plans, such as market risk, liquidity, credit, operational, systemic and legal.

Foreign plans

The strategy for each of the pension plans sponsored by Vale Canada is based upon a combination of local practices and the specific characteristics of the pension plans in each country, including the structure of the liabilities, the risk versus reward trade-off between different asset classes and the liquidity required to meet benefit payments obligations.

viii. Overfunded pension plans

Brazilian Plans

The Defined Benefit Plan (the Old Plan) has most of its assets allocated to fixed income, mainly in Brazilian government bonds (such as TIPS) and long term inflation linked corporate bonds with the objective of reducing the asset-liability volatility. This Liability Driven Investments strategy, together with the Loans to Participants segment, aims to hedge the plan s liabilities against inflation risk and volatility, with allocation limited to 70% of the plans' assets. This plan had an average nominal income of 19% per annum, over the past 12 years. The target allocations for each investment segment or asset class are as follow:

| | December 31, 2013 | December 31, 2012 | 31 de dezembro de 2011 |
|--------------------------------------|-------------------|-------------------|------------------------|
| Fixed income investments | 63.18% | 59.86% | 59.84% |
| Variable income investments | 18.24% | 24.25% | 27.42% |
| Structures investments | 4.21% | 3.66% | 2.85% |
| Foreing investments | 0.19% | 0.25% | 0.20% |
| Real Estate | 9.71% | 8.34% | 6.97% |
| Operations with participants (loans) | 4.68% | 3.56% | 3.26% |

The Vale Mais plan has obligations with the characteristics of defined benefit plans and defined contribution plans. Most investments are in fixed income. To reduce the volatility of assets and liabilities from the components with defined benefit s

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characteristics, we used Brazilian government bonds indexed to inflation. The following table shows the target allocations for each investment segment or asset class:

| | December 31, 2013 | December 31, 2012 | December 31, 2011 |
|--------------------------------------|-------------------|-------------------|-------------------|
| Fixed income investments | 64.96% | 61.71% | 62.52% |
| Variable income investments | 16.52% | 20.73% | 22.73% |
| Structures investments | 2.21% | 2.08% | 1.00% |
| Foreign investments | 0.07% | 0.10% | 0.10% |
| Real Estate | 5.20% | 5.40% | 4.60% |
| Operations with participants (loans) | 11.09% | 9.88% | 9.07% |

The Defined Contribution Vale Mais component offers four asset class mix options that can be chosen by participants. The options are: 100% Fixed Income; 80% Fixed Income and 20% Equities, 65% Fixed Income and 35% Equities or 60% Fixed Income and 40% Equities. Equities management is done through investment funds with Ibovespa (IBrX-50) index.

Assets by category are as follows:

| Assets by category | December 31, 2013 | | | | Consolidated December 31, 2012 | | | | January 1st, 2012 | | | |
|--|-------------------|------------|--------------|---------------|--------------------------------|------------|--------------|---------------|-------------------|--------------|--------------|---------------|
| | Level 1 | Level 2 | Level 2 | Total | Level 1 | Level 2 | Level 2 | Total | Level 1 | Level 2 | Level 2 | Total |
| Accounts receivable | 6 | | | 6 | 10 | | | 10 | 33 | | | 33 |
| Equity securities net | 2,037 | | | 2,037 | 2,305 | 1 | | 2,306 | 2,662 | 156 | | 2,818 |
| Debt securities corporate bonds | | 461 | | 461 | | 557 | | 557 | | 1,045 | | 1,045 |
| Debt securities government bonds | 4,053 | | | 4,053 | 4,037 | | | 4,037 | 3,985 | | | 3,985 |
| Investment funds Fixed Income | 6,330 | | | 6,330 | 3,430 | | | 3,430 | 4,282 | | | 4,282 |
| Investment funds equity | 798 | | | 798 | 516 | | | 516 | 1,008 | | | 1,008 |
| Investment funds private equity | 23 | | | 23 | 28 | | | 28 | 24 | | | 24 |
| Investment funds not listed companies | | | 532 | 532 | | | 393 | 393 | | | 362 | 362 |
| Investment funds real state | | | 19 | 19 | | | 17 | 17 | | | 39 | 39 |
| Real estate | | | 1,282 | 1,282 | | | 935 | 935 | | | 901 | 901 |
| Loans from participants | | | 1,009 | 1,009 | | | 398 | 398 | | | 644 | 644 |
| Total | 13,247 | 461 | 2,842 | 16,550 | 10,326 | 558 | 1,743 | 12,627 | 11,994 | 1,201 | 1,946 | 15,141 |
| Funds not related to risk plans | | | | (4,203) | | | | (3,612) | | | | (3,414) |
| Fair value of plan assets at year-end | | | | 12,347 | | | | 9,015 | | | | 11,727 |

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| Assets by category | December 31, 2013 | | | | Parent Company December 31, 2012 | | | | January 1st, 2012 | | | |
|--|-------------------|------------|--------------|---------------|-------------------------------------|------------|--------------|---------------|-------------------|--------------|--------------|---------------|
| | Level 1 | Level 2 | Level 2 | Total | Level 1 | Level 2 | Level 2 | Total | Level 1 | Level 2 | Level 2 | Total |
| Accounts receivable | 6 | | | 6 | 10 | | | 10 | 33 | | | 33 |
| Equity securities net | 2,037 | | | 2,037 | 2,305 | 1 | | 2,306 | 2,364 | 156 | | 2,520 |
| Debt securities corporate bonds | | 461 | | 461 | | 557 | | 557 | | 995 | | 995 |
| Debt securities government bonds | 4,053 | | | 4,053 | 4,037 | | | 4,037 | 3,789 | | | 3,789 |
| Investment funds Fixed Income | 6,330 | | | 6,330 | 3,430 | | | 3,430 | 4,039 | | | 4,039 |
| Investment funds equity | 798 | | | 798 | 516 | | | 516 | 968 | | | 968 |
| Investment funds private equity | 23 | | | 23 | 28 | | | 28 | 24 | | | 24 |
| Investment funds not listed companies | | | 532 | 532 | | | 393 | 393 | | | 289 | 289 |
| Investment funds real state | | | 19 | 19 | | | 17 | 17 | | | 34 | 34 |
| Real estate | | | 1,282 | 1,282 | | | 935 | 935 | | | 861 | 861 |
| Loans from participants | | | 1,009 | 1,009 | | | 398 | 398 | | | 633 | 633 |
| Total | 13,247 | 461 | 2,842 | 16,550 | 10,326 | 558 | 1,743 | 12,627 | 11,217 | 1,151 | 1,817 | 14,185 |
| Funds not related to risk plans | | | | (4,203) | | | | (3,612) | | | | (3,414) |
| Fair value of plan assets at year-end | | | | 12,347 | | | | 9,015 | | | | 10,771 |

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Measurement of overfunded plan assets at fair value with no observable market variables - level 3

| | Consolidated | | | | |
|-----------------------------------|--|--------------------|--------------|-------------------------|--------------|
| | Investments fund of not listed companies | Fund of real state | Real state | Loans from participants | Total |
| On January 1st, 2011 | 213 | 31 | 481 | 302 | 1,027 |
| Actual return on plan assets | (15) | 1 | 147 | 92 | 225 |
| Assets sold during the year | (2) | | (39) | (218) | (259) |
| Assets purchased and settled | 69 | | 250 | 217 | 536 |
| Transfers between levels | 97 | 5 | 62 | 251 | 415 |
| Cumulative translation adjustment | | 2 | | | 2 |
| On December 31, 2011 | 362 | 39 | 901 | 644 | 1,946 |
| Actual return on plan assets | 25 | (15) | 235 | 50 | 295 |
| Assets sold during the year | (36) | | (61) | (165) | (262) |
| Assets purchased and settled | 146 | | 53 | 181 | 380 |
| Transfers between levels | (104) | (7) | (193) | (312) | (616) |
| On December 31, 2012 | 393 | 17 | 935 | 398 | 1,743 |
| Actual return on plan assets | 28 | 1 | 206 | 103 | 338 |
| Assets sold during the year | (39) | | (90) | (424) | (553) |
| Assets purchased and settled | 62 | | | 510 | 572 |
| Transfers between levels | 88 | 1 | 231 | 422 | 742 |
| On December 31, 2013 | 532 | 19 | 1,282 | 1,009 | 2,842 |

| | Parent Company | | | | |
|------------------------------|--|--------------------|--------------|-------------------------|--------------|
| | Investments fund of not listed companies | Fund of real state | Real state | Loans from participants | Total |
| On January 1st, 2012 | 289 | 34 | 861 | 633 | 1,817 |
| Actual return on plan assets | 25 | (15) | 235 | 50 | 295 |
| Assets sold during the year | (36) | | (61) | (165) | (262) |
| Assets purchased and settled | 146 | | 53 | 181 | 380 |
| Transfers between levels | (31) | (2) | (153) | (301) | (487) |
| On December 31, 2012 | 393 | 17 | 935 | 398 | 1,743 |
| Actual return on plan assets | 28 | 1 | 206 | 103 | 338 |
| Assets sold during the year | (39) | | (90) | (424) | (553) |
| Assets purchased and settled | 62 | | | 510 | 572 |
| Transfers between levels | 88 | 1 | 231 | 422 | 742 |
| On December 31, 2013 | 532 | 19 | 1,282 | 1,009 | 2,842 |

The targeted return on private equity assets in 2014 is 10.83% p.a. for the Old Plan and 11.06% p.a. for the New Plan. The targeted allocation is 5% for the Old Plan and 2.2% for the New Plan, ranging between 3% and 5% for the Old Plan and ranging between 1% and 2.5% for the New Plan. These investments have a longer investment horizon and lower liquidity that aim to profit from economic growth, especially in the infrastructure sector of the Brazilian economy. Usually the fair value of non-liquid assets is similar to their acquisition cost or book value. Some private equity funds, alternatively, apply the following methodologies: discounted cash flow analysis or analysis based on multiples.

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The targeted return on loans to participants in 2014 is 10.83% p.a. for the Old Plan and 11.06% p.a. for the New Plan. The fair values pricing of these assets include provisions for non-paid loans, according to the local pension fund regulation.

The targeted return on real estate assets in 2014 is 10.83% p.a. for the Old Plan and 11.06% p.a. for the New Plan. The fair values of these assets are near to their carrying values. The pension fund hires companies specialized in real estate valuation that do not act in the market as brokers. All valuation techniques follow the local regulations.

Table of Contents**ix. Underfunded pension plans****Foreign plans**

For all pension plans except that of PT Vale Indonesia tbk, a target asset allocation was 60% in equity investments and 40% in fixed income investments, with all securities being traded in the public markets. Fixed income investments are in domestic bonds for each plan's market and represent a mixture of government and corporate bonds. Equity investments are primarily global in nature and involve a mixture of large, mid and small capitalization companies with a modest explicit investment in domestic equities for each plan. The Canadian plans also use a currency hedging strategy (each currency exposure is 50% hedged) due to the large exposure to foreign securities. For PT Vale Indonesia tbk, the target allocation is 20% equity investment and the remainder fixed income.

Assets by category are shown below:

| Assets by category | December 31, 2013 | | | | Consolidated December 31, 2012 | | | | January 1st, 2012 | | | |
|--|-------------------|--------------|---------|--------------|-----------------------------------|--------------|------------|---------------|-------------------|--------------|---------|--------------|
| | Level 1 | Level 2 | Level 2 | Total | Level 1 | Level 2 | Level 2 | Total | Level 1 | Level 2 | Level 2 | Total |
| Cash and cash equivalents | 97 | 75 | | 172 | 129 | 69 | | 198 | 32 | 44 | | 76 |
| Accounts receivable | | | | | 9 | | | 9 | 20 | | | 20 |
| Equity securities net | 3,576 | 19 | | 3,595 | 3,198 | 39 | | 3,237 | 2,300 | 3 | | 2,303 |
| Debt securities corporate bonds | | 867 | | 867 | | 1,043 | | 1,043 | | 483 | | 483 |
| Debt securities government bonds | 427 | 1,850 | | 2,277 | 1,113 | 989 | | 2,102 | 61 | 1,171 | | 1,232 |
| Investment funds Fixed Income | 263 | | | 263 | 3,258 | 871 | | 4,129 | 822 | 1,061 | | 1,883 |
| Investment funds equity | 582 | 1,099 | | 1,681 | 1,108 | 842 | | 1,950 | 139 | 703 | | 842 |
| Investment funds private equity | | | | | 9 | | | 9 | | 4 | | 4 |
| Investment funds not listed companies | | | | | | | 88 | 88 | | | | |
| Investment funds real state | | | | | | | 1 | 1 | | | | |
| Real estate | 56 | | | 56 | | 291 | | 291 | | | | |
| Loans from participants | | | | | | | 422 | 422 | | | | |
| Total | 5,001 | 3,910 | | 8,911 | 8,824 | 3,853 | 802 | 13,479 | 3,374 | 3,469 | | 6,843 |
| Funds not related to risk plans | | | | | | | | (1,860) | | | | |
| Fair value of plan assets at year-end | | | | 8,911 | | | | 11,619 | | | | 6,843 |

December 31, 2013

Parent Company

December 31, 2012

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| Assets by category | Level 1 | Level 2 | Level 2 | Total | Level 1 | Level 2 | Level 2 | Total |
|--|---------|---------|---------|-------|--------------|------------|------------|--------------|
| Cash and cash equivalents | | | | | 1 | | | 1 |
| Accounts receivable | | | | | 1 | | | 1 |
| Equity securities net | | | | | 414 | | | 414 |
| Debt securities corporate bonds | | | | | | | 332 | 332 |
| Debt securities government bonds | | | | | 653 | | | 653 |
| Investment funds Fixed Income | | | | | 3,040 | | | 3,040 |
| Investment funds equity | | | | | 485 | | | 485 |
| Investment funds private equity | | | | | 5 | | | 5 |
| Investment funds not listed companies | | | | | | | 88 | 88 |
| Investment funds real state | | | | | | | 1 | 1 |
| Real estate | | | | | | | 231 | 231 |
| Loans from participants | | | | | | | 422 | 422 |
| Total | | | | | 4,599 | 332 | 742 | 5,673 |
| Funds not related to risk plans | | | | | | | | (1,860) |
| Fair value of plan assets at year-end | | | | | | | | 3,813 |

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Measurement of overfunded plan assets at fair value with no observable market variables - Level 3:

| | Consolidated | | | | |
|------------------------------|--|--------------------|------------|-------------------------|------------|
| | Investments fund of not listed companies | Fund of real state | Real state | Loans from participants | Total |
| On January 1st, 2011 | 24 | 2 | 62 | 251 | 339 |
| Transfers between levels | (24) | (2) | (62) | (251) | (339) |
| On December 31, 2011 | | | | | |
| Actual return on plan assets | 2 | (1) | 78 | 54 | 133 |
| Assets sold during the year | (12) | | (6) | (139) | (157) |
| Assets purchased and settled | 67 | | 26 | 206 | 299 |
| Transfers between levels | 31 | 2 | 193 | 301 | 527 |
| On December 31, 2012 | 88 | 1 | 291 | 422 | 802 |
| Actual return on plan assets | | | 4 | | 4 |
| Transfers between levels | (88) | (1) | (239) | (422) | (750) |
| On December 31, 2013 | | | 56 | | 56 |

| | Parent Company | | | | |
|------------------------------|--|--------------------|------------|-------------------------|------------|
| | Investments fund of not listed companies | Fund of real state | Real state | Loans from participants | Total |
| On January 1st, 2012 | | | | | |
| Actual return on plan assets | 2 | (1) | 62 | 54 | 117 |
| Assets sold during the year | (12) | | (6) | (139) | (157) |
| Assets purchased and settled | 67 | | 22 | 206 | 295 |
| Transfers between levels | 31 | 2 | 153 | 301 | 487 |
| On December 31, 2012 | 88 | 1 | 231 | 422 | 742 |
| Transfers between levels | (88) | (1) | (231) | (422) | (742) |
| On December 31, 2013 | | | | | |

Assets of underfunded benefits plans

Underfunded other benefits by asset category:

| Assets by category | Consolidated | | | | | | |
|---------------------------|--------------|-------------------|---------|-------|-------------------|---------|----------|
| | Level 1 | December 31, 2013 | | Total | December 31, 2012 | | Total |
| | | Level 2 | Level 2 | | Level 2 | Level 2 | |
| Cash and cash equivalents | | | | | 2 | | 2 |
| Total | | | | | 2 | | 2 |

xi. Disbursement of future cash flow

Vale expects to disburse R\$829 in 2013 in relation to pension plans and other benefits in consolidated and R\$350 in parent company.

xii. Sensitivity analysis

| | Consolidated 41639 | | Others underfunded pension plans |
|---|--------------------------|---------------------------|--|
| | Overfunded pension plans | Underfunded pension plans | |
| Nominal discount rate | | | |
| 1% increase | 8,611 | 8,243 | 3,543 |
| Assumptions made | 13.10% | 5.84% | 7.48% |
| Average duration of the obligation - (Years) | 10.43 | 16.98 | 15.78 |
| 1 % Reduction | 10,700 | 10,529 | 4,533 |
| Assumptions made | 11.12% | 3.84% | 5.44% |
| Average duration of the obligation - (Years) | 11.29 | 15.99 | 15.18 |

| | Parent Company 41639 | | Others underfunded pension plans |
|-------------------------------------|--------------------------|---------------------------|--|
| | Overfunded pension plans | Underfunded pension plans | |
| Nominal discount rate | | | |
| Aumento de 1% | 8,611 | | 477 |
| Premissa adotada | 13.10% | 0.00% | 13.09% |
| Duração média da obrigação - (Anos) | 10.43 | | 7.75 |
| Redução de 1% | (10,700) | | 561 |
| Premissa adotada | 11.12% | 0.00% | 11.09% |
| Duração da obrigação - (Anos) | 11.29 | | 5.54 |

Table of Contents**xiii. Estimated future benefit payments**

The following table presents the expected benefit payments, which reflect future services:

| | Consolidated | | | | Parent Company | | | |
|--------------|--------------------------|---------------------------|----------------------------------|-------|--------------------------|---------------------------|----------------------------------|-------|
| | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans | Total | Overfunded pension plans | Underfunded pension plans | Others underfunded pension plans | Total |
| 2014 | 699 | 579 | 185 | 1,463 | 699 | | 30 | 729 |
| 2015 | 743 | 571 | 190 | 1,504 | 743 | | 33 | 776 |
| 2016 | 785 | 562 | 197 | 1,544 | 785 | | 35 | 820 |
| 2017 | 829 | 555 | 202 | 1,586 | 829 | | 27 | 856 |
| 2018 | 876 | 551 | 206 | 1,633 | 876 | | 40 | 916 |
| 2019 onwards | 5,102 | 2,722 | 412 | 8,236 | 5,102 | | 241 | 5,343 |

b) Incentive Plan in Results

The Company, Participation in Results Program (PPR) measured on the evaluation of individual and collective performance of its employees.

The Participation in the Results of the Company for each employee is calculated individually according to the achievement of goals previously established using of indicators for the, performance of the Company, Business Unit, Team and individual. The contribution of each performance unit to the performance scores of employees is discussed and agreed each year, between the Company and the unions representing the employees.

The Company accrued expenses/costs related to participation in the results as follow:

| | Consolidated | | | Parent Company | | |
|----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | December 31, 2013 | December 31, 2012 | December 31, 2011 | December 31, 2013 | December 31, 2012 | December 31, 2011 |
| Operational expenses | 471 | 830 | 665 | 396 | | 575 |
| Cost of good sold | 919 | 954 | 828 | 782 | | 871 |
| Total | 1,390 | 1,784 | 1,493 | 1,178 | | 1,446 |

c) Long-term stock option compensation plan

In order to promote stockholder cultures, in addition to increasing the ability to retain executives and to strengthen the culture of sustainability performance, Vale has a Long-term Compensation Plan, for some executives of the Company, covering 3-year cycles.

Under the terms of the plan, the participants may allocate a portion of their annual bonus to the plan. Part of the bonus allocated to the plan is used by the executive to purchase preferred stock of Vale, through a prescribed financial institution under market conditions and without any benefit being provided by Vale.

The shares purchased by executive have no restrictions and can be sold at any time. However, the shares need to be held for a period of three years, and the executives need to maintained their employment relationship with the Vale during this period the participant shall be entitled, as long as the shares are not sold and employment relationship is maintained, to receive from the Vale, a payment in cash equivalent to the value of their stock holdings based under this scheme on market quotations. The total number of stocks linked to the plan as at December 31, 2013, December 31, 2012 and January 1, 2011 was 6,214,288, 4,426,046 and 3,012,538, respectively.

Additionally, certain executives eligible for long-term incentives have the opportunity to receive at the end of a three years cycle a monetary value equivalent to market value of a determined number of stocks based on an assessment of their careers and performance factors measured as an indicator of total return to the Stockholders.

Liabilities are measured at fair value on the date of each issuance of the report, based on market rates. Compensation costs incurred are recognized by the defined vesting period of three years. On December 31, 2013, 2012 and 2011 we recorded a liability of R\$198, R\$178 and R\$204 respectively, in the Statement of Income.

Table of Contents**23. Classification of financial instruments**

The classification of financial assets and liabilities is shown in the following tables:

| | Consolidated | | | | Parent Company | | | |
|-------------------------------------|------------------------------|--|---|---|----------------|------------------------------|--|---------------|
| | Loans and receivables (a) | At fair value through profit or loss (b) | Derivatives designated as hedge (c) | December 31, 2013 Available for sale | Total | Loans and receivables (a) | At fair value through profit or loss (b) | Total |
| Financial assets | | | | | | | | |
| Current | | | | | | | | |
| Cash and cash equivalents | 12,465 | | | | 12,465 | 3,635 | | 3,635 |
| Short-term investments | 8 | | | | 8 | 8 | | 8 |
| Derivative financial instruments | | 459 | 12 | | 471 | | 378 | 378 |
| Accounts receivable | 13,360 | | | | 13,360 | 14,167 | | 14,167 |
| Related parties | 611 | | | | 611 | 1,684 | | 1,684 |
| | 26,444 | 459 | 12 | | 26,915 | 19,494 | 378 | 19,872 |
| Non current | | | | | | | | |
| Related parties | 253 | | | | 253 | 864 | | 864 |
| Loans and financing agreements | 564 | | | | 564 | 192 | | 192 |
| Derivative financial instruments | | 329 | | | 329 | | | |
| Others | | | | 11 | 11 | | | |
| | 817 | 329 | | 11 | 1,157 | 1,056 | | 1,056 |
| Total of Assets | 27,261 | 788 | 12 | 11 | 28,072 | 20,550 | 378 | 20,928 |
| Financial liabilities | | | | | | | | |
| Current | | | | | | | | |
| Suppliers and contractors | 8,837 | | | | 8,837 | 3,640 | | 3,640 |
| Derivative financial instruments | | 464 | 92 | | 556 | | 435 | 435 |
| Loans and financing agreements | 4,158 | | | | 4,158 | 3,181 | | 3,181 |
| Related parties | 479 | | | | 479 | 6,453 | | 6,453 |
| | 13,474 | 464 | 92 | | 14,030 | 13,274 | 435 | 13,709 |
| Non current | | | | | | | | |
| Derivative financial instruments | | 3,469 | 27 | | 3,496 | | 3,188 | 3,188 |
| Loans and financing agreements | 64,819 | | | | 64,819 | 32,896 | | 32,896 |
| Related parties | 11 | | | | 11 | 32,013 | | 32,013 |
| Stockholders Debentures | | 4,159 | | | 4,159 | | 4,159 | 4,159 |
| | 64,830 | 7,628 | 27 | | 72,485 | 64,909 | 7,347 | 72,256 |

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| | | | | | | | |
|-----------------------------|---------------|--------------|------------|---------------|---------------|--------------|---------------|
| Total of Liabilities | 78,304 | 8,092 | 119 | 86,515 | 78,183 | 7,782 | 85,965 |
|-----------------------------|---------------|--------------|------------|---------------|---------------|--------------|---------------|

(a) Non-derivative financial instruments with identifiable cash flow.

(b) Financial instruments for trading in short term.

(c) See Note 25-a.

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| Financial assets | Consolidated | | | | Parent Company | | |
|----------------------------------|---------------------------|--|-------------------------------------|--------------------|---------------------------|--|--------------|
| | Loans and receivables (a) | At fair value through profit or loss (b) | Derivatives designated as hedge (c) | December 31, 2012 | Loans and receivables (a) | At fair value through profit or loss (b) | Total |
| | | | | Available for sale | Total | | |
| Current | | | | | | | |
| Cash and cash equivalents | 11,918 | | | | 11,918 | 688 | 688 |
| Short-term investments | | 506 | | | 506 | | 43 |
| Derivative financial instruments | | 543 | 32 | | 575 | | 500 |
| Accounts receivable | 13,885 | | | | 13,885 | 21,839 | 21,839 |
| Related parties | 786 | | | | 786 | 1,347 | 1,347 |
| | 26,589 | 1,049 | 32 | | 27,670 | 23,874 | 543 |
| Non current | | | | | | | |
| Related parties | 833 | | | | 833 | 864 | 864 |
| Loans and financing agreements | 502 | | | | 502 | 188 | 188 |
| Derivative financial instruments | | 83 | 10 | | 93 | | 3 |
| Others | | | | 14 | 14 | | |
| | 1,335 | 83 | 10 | 14 | 1,442 | 1,052 | 3 |
| Total of Assets | 27,924 | 1,132 | 42 | 14 | 29,112 | 24,926 | 546 |
| Financial liabilities | | | | | | | |
| Current | | | | | | | |
| Suppliers and contractors | 9,255 | | | | 9,255 | 4,178 | 4,178 |
| Derivative financial instruments | | 708 | 2 | | 710 | | 558 |
| Loans and financing | 7,093 | | | | 7,093 | 5,328 | 5,328 |
| Related parties | 423 | | | | 423 | 6,434 | 6,434 |
| | 16,771 | 708 | 2 | | 17,481 | 15,940 | 558 |
| Non current | | | | | | | |
| Derivative financial instruments | | 1,601 | | | 1,601 | | 1,410 |
| Loans and financing agreements | 54,763 | | | | 54,763 | 26,867 | 26,867 |
| Related parties | 146 | | | | 146 | 29,363 | 29,363 |
| Stockholders | | | | | | | |
| Debentures | | 3,379 | | | 3,379 | | 3,379 |
| | 54,909 | 4,980 | | | 59,889 | 56,230 | 4,789 |
| Total of Liabilities | 71,680 | 5,688 | 2 | | 77,370 | 72,170 | 5,347 |

(a) Non-derivative financial instruments with identifiable cash flow.

(b) Financial instruments for trading in short term.

(c) See Note 25-a.

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| | Consolidated | | | | January 1, 2011 | | Parent Company | | | |
|--|------------------------------|--|---|--------------------|-----------------|------------------------------|--|---|---------------|--|
| | Loans and receivables (a) | At fair value through profit or loss (b) | Derivatives designated as hedge (c) | Available for sale | Total | Loans and receivables (a) | At fair value through profit or loss (b) | Derivatives designated as hedge (c) | Total | |
| Financial assets | | | | | | | | | | |
| Current | | | | | | | | | | |
| Cash and cash equivalents | 6,593 | | | | 6,593 | 575 | | | 575 | |
| Derivative financial instruments | | 810 | 302 | | 1,112 | | 573 | 1 | 574 | |
| Accounts receivable | 15,889 | | | | 15,889 | 15,809 | | | 15,809 | |
| Related parties | 154 | | | | 154 | 2,561 | | | 2,561 | |
| | 22,636 | 810 | 302 | | 23,748 | 18,945 | 573 | 1 | 19,519 | |
| Non current | | | | | | | | | | |
| Related parties | 904 | | | | 904 | 446 | | | 446 | |
| Loans and financing agreements | 399 | | | | 399 | 158 | | | 158 | |
| Derivative financial instruments | | 112 | | | 112 | | 96 | | 96 | |
| Other | | | | 14 | 14 | | | | | |
| | 1,303 | 112 | | 14 | 1,429 | 604 | 96 | | 700 | |
| Total of Assets | 23,939 | 922 | 302 | 14 | 25,177 | 19,549 | 669 | 1 | 20,219 | |
| Financial liabilities | | | | | | | | | | |
| Current | | | | | | | | | | |
| Suppliers and contractors | 8,851 | | | | 8,851 | 3,504 | | | 3,504 | |
| Derivative financial instruments | | 110 | 26 | | 136 | | 91 | 26 | 117 | |
| Loans and financing | 2,847 | | | | 2,847 | 892 | | | 892 | |
| Related parties | 43 | | | | 43 | 4,959 | | | 4,959 | |
| | 11,741 | 110 | 26 | | 11,877 | 9,355 | 91 | 26 | 9,472 | |
| Non current | | | | | | | | | | |
| Derivative financial instruments | | 1,239 | | | 1,239 | | 953 | | 953 | |
| Loans and financing | 40,225 | | | | 40,225 | 18,596 | | | 18,596 | |
| Related parties | 171 | | | | 171 | 28,654 | | | 28,654 | |
| Stockholders Debentures | | 2,496 | | | 2,496 | | 2,496 | | 2,496 | |
| | 40,396 | 3,735 | | | 44,131 | 47,250 | 3,449 | | 50,699 | |
| Total of Liabilities | 52,137 | 3,845 | 26 | | 56,008 | 56,605 | 3,540 | 26 | 60,171 | |

(a) Non-derivative financial instruments with identifiable cash flow.

(b) Financial instruments for trading in short-term.

(c) See Note 25-a.

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The classification of financial instruments assets and liabilities by currencies as presented as follow:

| Financial assets | Consolidated December 31, 2013 | | | | | | Total |
|-------------------------------------|-----------------------------------|---------------|--------------|------------|--------------|----------------------|---------------|
| | R\$ | US\$ | CAD | AUD | EUR | Others currencies | |
| Current | | | | | | | |
| Cash and cash equivalents | 4,348 | 7,597 | 110 | 215 | 80 | 115 | 12,465 |
| Short-term investments | 8 | | | | | | 8 |
| Derivative financial instruments | 378 | 93 | | | | | 471 |
| Accounts receivable | 1,089 | 11,964 | 26 | 131 | 2 | 148 | 13,360 |
| Related parties | 426 | 185 | | | | | 611 |
| | 6,249 | 19,839 | 136 | 346 | 82 | 263 | 26,915 |
| Non-current | | | | | | | |
| Related parties | 21 | 232 | | | | | 253 |
| Loans and financing agreements | 192 | 372 | | | | | 564 |
| Derivative financial instruments | | 329 | | | | | 329 |
| Others | | 11 | | | | | 11 |
| | 213 | 944 | | | | | 1,157 |
| Total of Assets | 6,462 | 20,783 | 136 | 346 | 82 | 263 | 28,072 |
| Financial liabilities | | | | | | | |
| Current | | | | | | | |
| Suppliers and contractors | 4,404 | 2,414 | 1,422 | 276 | 232 | 89 | 8,837 |
| Derivative financial instruments | 435 | 121 | | | | | 556 |
| Loans and financing | 2,086 | 1,874 | | 4 | 194 | | 4,158 |
| Related parties | 477 | 2 | | | | | 479 |
| | 7,402 | 4,411 | 1,422 | 280 | 426 | 89 | 14,030 |
| Non-current | | | | | | | |
| Derivative financial instruments | 3,188 | 308 | | | | | 3,496 |
| Long-term debt | 13,321 | 46,652 | | 6 | 4,840 | | 64,819 |
| Related parties | | 11 | | | | | 11 |
| Stockholders Debentures | 4,159 | | | | | | 4,159 |
| | 20,668 | 46,971 | | 6 | 4,840 | | 72,485 |
| Total of Liabilities | 28,070 | 51,382 | 1,422 | 286 | 5,266 | 89 | 86,515 |

| Financial assets | Consolidated December 31, 2012 | | | | | | Total |
|---------------------------|-----------------------------------|-------|-----|-----|-----|----------------------|--------|
| | R\$ | US\$ | CAD | AUD | EUR | Others currencies | |
| Current | | | | | | | |
| Cash and cash equivalents | 1,968 | 9,564 | | 284 | 4 | 98 | 11,918 |

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| | | | | | | | |
|----------------------------------|---------------|---------------|--------------|------------|--------------|------------|---------------|
| Short-term investments | | 506 | | | | | 506 |
| Derivative financial instruments | 500 | 75 | | | | | 575 |
| Accounts receivable | 1,604 | 11,796 | 16 | 228 | 112 | 129 | 13,885 |
| Related parties | 427 | 340 | | | 19 | | 786 |
| | 4,499 | 22,281 | 16 | 512 | 135 | 227 | 27,670 |
| Non-current | | | | | | | |
| Related parties | 12 | 288 | | | 533 | | 833 |
| Loans and financing agreements | 188 | 314 | | | | | 502 |
| Derivative financial instruments | 3 | 90 | | | | | 93 |
| Others | | 14 | | | | | 14 |
| | 203 | 706 | | | 533 | | 1,442 |
| Total of Assets | 4,702 | 22,987 | 16 | 512 | 668 | 227 | 29,112 |
| Financial liabilities | | | | | | | |
| Current | | | | | | | |
| Suppliers and contractors | 4,465 | 1,453 | 2,266 | 738 | 235 | 98 | 9,255 |
| Derivative financial instruments | 558 | 152 | | | | | 710 |
| Loans and financing | 4,560 | 2,372 | 21 | 8 | 132 | | 7,093 |
| Related parties | 423 | | | | | | 423 |
| | 10,006 | 3,977 | 2,287 | 746 | 367 | 98 | 17,481 |
| Non-current | | | | | | | |
| Derivative financial instruments | 1,410 | 191 | | | | | 1,601 |
| Loans and financing | 13,169 | 37,016 | 525 | 10 | 4,043 | | 54,763 |
| Related parties | | 146 | | | | | 146 |
| Stockholders Debentures | 3,379 | | | | | | 3,379 |
| | 17,958 | 37,353 | 525 | 10 | 4,043 | | 59,889 |
| Total of Liabilities | 27,964 | 41,330 | 2,812 | 756 | 4,410 | 98 | 77,370 |

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| Financial assets | Consolidated January 1, 2012 | | | | | | Total |
|----------------------------------|---------------------------------|---------------|--------------|------------|--------------|----------------------|---------------|
| | R\$ | US\$ | CAD | AUD | EUR | Others currencies | |
| Current | | | | | | | |
| Cash and cash equivalents | 1,915 | 4,336 | 6 | 89 | | 247 | 6,593 |
| Derivative financial instruments | 574 | 538 | | | | | 1,112 |
| Accounts receivable | 2,165 | 13,255 | 62 | 271 | | 136 | 15,889 |
| Related parties | 107 | 47 | | | | | 154 |
| | 4,761 | 18,176 | 68 | 360 | | 383 | 23,748 |
| Non-current | | | | | | | |
| Related parties | 37 | 252 | | | 615 | | 904 |
| Loans and financing agreements | 163 | 236 | | | | | 399 |
| Derivative financial instruments | 96 | 16 | | | | | 112 |
| Others | | 14 | | | | | 14 |
| | 296 | 518 | | | 615 | | 1,429 |
| Total of Assets | 5,057 | 18,694 | 68 | 360 | 615 | 383 | 25,177 |
| Financial liabilities | | | | | | | |
| Current | | | | | | | |
| Suppliers and contractors | 4,310 | 2,050 | 1,312 | 734 | 217 | 228 | 8,851 |
| Derivative financial instruments | 117 | 19 | | | | | 136 |
| Loans and financing | 457 | 2,357 | 26 | 7 | | | 2,847 |
| Related parties | 13 | 30 | | | | | 43 |
| | 4,897 | 4,456 | 1,338 | 741 | 217 | 228 | 11,877 |
| Non-current | | | | | | | |
| Derivative financial instruments | 953 | 286 | | | | | 1,239 |
| Long-term debt | 12,385 | 25,570 | 443 | 15 | 1,812 | | 40,225 |
| Related parties | | 171 | | | | | 171 |
| Stockholders Debentures | 2,496 | | | | | | 2,496 |
| | 15,834 | 26,027 | 443 | 15 | 1,812 | | 44,131 |
| Total of Liabilities | 20,731 | 30,483 | 1,781 | 756 | 2,029 | 228 | 56,008 |

| Financial assets | Parent Company December 31, 2013 | | | | | | Total |
|----------------------------------|-------------------------------------|--------|-----|-----|-----|----------------------|--------|
| | R\$ | US\$ | CAD | AUD | EUR | Others currencies | |
| Current | | | | | | | |
| Cash and cash equivalents | 3,626 | 9 | | | | | 3,635 |
| Short-term investments | 8 | | | | | | 8 |
| Derivative financial instruments | 378 | | | | | | 378 |
| Accounts receivable | 1,183 | 12,984 | | | | | 14,167 |

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| | | | | | | | |
|----------------------------------|---------------|---------------|----------|-----------|--------------|-----------|---------------|
| Related parties | 1,512 | 189 | | | (17) | | 1,684 |
| | 6,707 | 13,182 | | | (17) | | 19,872 |
| Non-current | | | | | | | |
| Related parties | 42 | 822 | | | | | 864 |
| Loans and financing agreements | 192 | | | | | | 192 |
| | 234 | 822 | | | | | 1,056 |
| Total of Assets | 6,941 | 14,004 | | | (17) | | 20,928 |
| Financial liabilities | | | | | | | |
| Current | | | | | | | |
| Suppliers and contractors | 3,499 | 101 | 2 | | 23 | 15 | 3,640 |
| Derivative financial instruments | 435 | | | | | | 435 |
| Loans and financing | 1,902 | 1,085 | | | 194 | | 3,181 |
| Related parties | (139) | 5,888 | 3 | 12 | 606 | 83 | 6,453 |
| | 5,697 | 7,074 | 5 | 12 | 823 | 98 | 13,709 |
| Non-current | | | | | | | |
| Derivative financial instruments | 3,188 | | | | | | 3,188 |
| Loans and financing | 12,246 | 15,810 | | | 4,840 | | 32,896 |
| Related parties | 1,029 | 30,985 | | | (1) | | 32,013 |
| Stockholders Debentures | 4,159 | | | | | | 4,159 |
| | 20,622 | 46,795 | | | 4,839 | | 72,256 |
| Total of Liabilities | 26,319 | 53,869 | 5 | 12 | 5,662 | 98 | 85,965 |

Table of ContentsParent Company
December 31, 2012

| Financial assets | R\$ | US\$ | CAD | AUD | EUR | Others currencies | Total |
|-------------------------------------|---------------|---------------|-----------|-----------|--------------|----------------------|---------------|
| Current | | | | | | | |
| Cash and cash equivalents | 688 | | | | | | 688 |
| Short-term investments | 43 | | | | | | 43 |
| Derivative financial instruments | 500 | | | | | | 500 |
| Accounts receivable | 1,405 | 20,397 | 32 | | 5 | | 21,839 |
| Related parties | 1,509 | (156) | | | (6) | | 1,347 |
| | 4,145 | 20,241 | 32 | | (1) | | 24,417 |
| Non-current | | | | | | | |
| Related parties | 720 | 144 | | | | | 864 |
| Loans and financing agreements | 188 | | | | | | 188 |
| Derivative financial instruments | 3 | | | | | | 3 |
| | 911 | 144 | | | | | 1,055 |
| Total of Assets | 5,056 | 20,385 | 32 | | (1) | | 25,472 |
| Financial liabilities | | | | | | | |
| Current | | | | | | | |
| Suppliers and contractors | 3,919 | 225 | | 3 | 29 | 2 | 4,178 |
| Derivative financial instruments | 558 | | | | | | 558 |
| Loans and financing | 4,484 | 712 | | | 132 | | 5,328 |
| Related parties | (147) | 5,980 | 3 | 12 | 501 | 85 | 6,434 |
| | 8,814 | 6,917 | 3 | 15 | 662 | 87 | 16,498 |
| Non-current | | | | | | | |
| Derivative financial instruments | 1,410 | | | | | | 1,410 |
| Loans and financing | 12,034 | 10,790 | | | 4,043 | | 26,867 |
| Related parties | 296 | 29,068 | | | (1) | | 29,363 |
| Stockholders' Debentures | 3,379 | | | | | | 3,379 |
| | 17,119 | 39,858 | | | 4,042 | | 61,019 |
| Total of Liabilities | 25,933 | 46,775 | 3 | 15 | 4,704 | 87 | 77,517 |

Parent Company
January 1, 2012

| Financial assets | R\$ | US\$ | CAD | AUD | EUR | Others currencies | Total |
|-------------------------------------|-------|--------|-----|-----|-----|----------------------|--------|
| Current | | | | | | | |
| Cash and cash equivalents | 569 | 6 | | | | | 575 |
| Derivative financial instruments | 574 | | | | | | 574 |
| Accounts receivable | 2,111 | 13,661 | 33 | | 4 | | 15,809 |
| Related parties | 2,103 | 458 | | | | | 2,561 |

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| | | | | | | | |
|----------------------------------|---------------|---------------|-----------|-----------|--------------|------------|---------------|
| | 5,357 | 14,125 | 33 | | 4 | | 19,519 |
| Non-current | | | | | | | |
| Related parties | 397 | 49 | | | | | 446 |
| Loans and financing agreements | 158 | | | | | | 158 |
| Derivative financial instruments | 96 | | | | | | 96 |
| | 651 | 49 | | | | | 700 |
| Total of Assets | 6,008 | 14,174 | 33 | | 4 | | 20,219 |
| Financial liabilities | | | | | | | |
| Current | | | | | | | |
| Suppliers and contractors | 3,224 | 198 | 3 | | 39 | 40 | 3,504 |
| Derivative financial instruments | 117 | | | | | | 117 |
| Loans and financing | 470 | 422 | | | | | 892 |
| Related parties | (15) | 4,424 | 2 | 11 | 452 | 85 | 4,959 |
| | 3,796 | 5,044 | 5 | 11 | 491 | 125 | 9,472 |
| Non-current | | | | | | | |
| Derivative financial instruments | 953 | | | | | | 953 |
| Loans and financing | 11,368 | 5,416 | | | 1,812 | | 18,596 |
| Related parties | 889 | 27,766 | | | (1) | | 28,654 |
| Stockholders' Debentures | 2,496 | | | | | | 2,496 |
| | 15,706 | 33,182 | | | 1,811 | | 50,699 |
| Total of Liabilities | 19,502 | 38,226 | 5 | 11 | 2,302 | 125 | 60,171 |

Table of Contents**24. Fair Value Estimative**

Due to the short-term cycle, it is assumed that the fair value of cash and cash equivalents balances, short-term investments, accounts receivable and accounts payable are close to their book values. For the measurement and determination of fair value, the Company uses various methods including market, income or cost approaches, in order to estimate the value that market participants would use when pricing the asset or liability. The financial assets and liabilities recorded at fair value classified and disclosed in accordance with the following levels:

Level 1 Unadjusted quoted prices on an active, liquid and visible market for identical assets or liabilities that are accessible at at the measurement date;

Level 2 - Quoted prices (adjusted or unadjusted) for identical or similar assets or liabilities on active markets; and

Level 3 - Assets and liabilities, for which quoted prices, do not exist, or where prices or valuation techniques are supported by little or no market activity, unobservable or illiquid.

The tables below present the assets and liabilities measured at fair value as at December 31, 2013, December 31, 2012 and January 1, 2012.

| | December 31, 2013 | | December 31, 2012 | | January 1, 2012 | | |
|--|-------------------|---------|-------------------|------------|-----------------|--------------|--------------|
| | Level 2 (i) | Level 1 | Level 2 | Total (ii) | Level 1 | Level 2 | Total (ii) |
| Financial Assets | | | | | | | |
| Current | | | | | | | |
| Derivatives at fair value through profit or loss | 459 | | 543 | 543 | | 810 | 810 |
| Derivatives designated as hedges | 12 | | 32 | 32 | | 302 | 302 |
| | 471 | | 575 | 575 | | 1,112 | 1,112 |
| Non-Current | | | | | | | |
| Derivatives at fair value through profit or loss | 329 | | 83 | 83 | | 112 | 112 |
| Derivatives designated as hedges | | | 10 | 10 | | | |
| | 329 | | 93 | 93 | | 112 | 112 |

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| | | | | | | | |
|--|--------------|----------|--------------|--------------|----------|--------------|--------------|
| Total of Assets | 800 | | 668 | 668 | | 1,224 | 1,224 |
| Financial Liabilities | | | | | | | |
| Current | | | | | | | |
| Derivatives at fair value through profit or loss | 464 | 3 | 705 | 708 | 1 | 109 | 110 |
| Derivatives designated as hedges | 92 | | 2 | 2 | | 26 | 26 |
| | 556 | 3 | 707 | 710 | 1 | 135 | 136 |
| Non-Current | | | | | | | |
| Derivatives at fair value through profit or loss | 3,469 | | 1,601 | 1,601 | | 1,239 | 1,239 |
| Derivatives designated as hedges | 27 | | | | | | |
| Stockholders debentures | 4,159 | | 3,379 | 3,379 | | 2,496 | 2,496 |
| | 7,655 | | 4,980 | 4,980 | | 3,735 | 3,735 |
| Total of Liabilities | 8,211 | 3 | 5,687 | 5,690 | 1 | 3,870 | 3,871 |

(i) No classification according to levels 1 and 3.

(ii) No classification according to level 3.

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| | December 31, 2013 Level 2 (i) | Parent Company December 31, 2012 Level 2 (i) | January 1, 2012 Level 2 (i) |
|--|----------------------------------|--|--------------------------------|
| Financial Assets | | | |
| Current | | | |
| Derivatives at fair value through profit or loss | 378 | 500 | 573 |
| Derivatives designated as hedges | | | 1 |
| | 378 | 500 | 574 |
| Non-Current | | | |
| Derivatives at fair value through profit or loss | | 3 | 96 |
| | | 3 | 96 |
| Total of Assets | 378 | 503 | 670 |
| Financial Liabilities | | | |
| Current | | | |
| Derivatives at fair value through profit or loss | 435 | 558 | 91 |
| Derivatives designated as hedges | | | 26 |
| | 435 | 558 | 117 |
| Non-Current | | | |
| Derivatives at fair value through profit or loss | 3,188 | 1,410 | 953 |
| Stockholders' debentures | 4,159 | 3,379 | 2,496 |
| | 7,347 | 4,789 | 3,449 |
| Total of Liabilities | 7,782 | 5,347 | 3,566 |

(i) No classification according to levels 1 and 3.

a) **Methods and Techniques of Evaluation**

i. **Assets and liabilities at fair value through profit or loss**

Comprise derivatives not designated as hedges and stockholders' debentures.

- **Derivatives designated or not as hedge**

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The financial instruments were evaluated by calculating their present value through the use of instrument yield curves at verification dates. The curves and prices used in the calculation for each group of instruments are detailed in the market curves .

The pricing method used for European options is the Black & Scholes model. In this model, the fair value of the derivative is a function of the volatility in the price of the underlying asset, the exercise price of the option, the interest rate and period to maturity. In the case of options when the income is a function of the average price of the underlying asset over the period of the option, we use Turnbull & Wakeman model. In this model, besides the factors that influence the option price in the Black-Scholes model, the formation period of the average price is also considered.

In the case of swaps, both the present value of the assets and liability tip are estimated by discounting the cash flow by the interest rate of the currency in which the swap is denominated. The difference between the present value of assets and liability of the swap generates its fair value.

In the case of swaps tied to the TJLP, the calculation of the fair value considers the TJLP are constant, that is the projections of future cash flow in Brazilian Reais are made on the basis of the last TJLP disclosed.

Contracts for the purchase or sale of products, inputs and costs of selling with future settlement are priced using the forward yield curves for each product. Typically, these curves are obtained on the stock exchanges where the products are traded, such as the London Metals Exchange (LME), the Commodity Exchange (COMEX) or other providers of market prices. When there is no price for the desired maturity, Vale uses an interpolation between the available maturities.

- **Stockholders Debentures**

Comprise the debentures issued during the privatization process (Note 31d), whose fair values are measured based on the market approach. Reference prices are available on the secondary market.

Table of Contents**b) Fair value measurement compared to book value**

For the loans allocated to Level 1, the evaluation method used to estimate the fair value of debt is the market approach to the contracts listed on the secondary market. For the loans allocated Level 2, the fair value for both fixed-indexed rate debt and floating rate is determined from the discounted cash flow using the future values of the LIBOR rate and the curve of Vale's Bonds (income approach).

The fair values and carrying amounts of non-current loans (net of interest) are shown in the table below:

| Financial liabilities | Balance | Consolidated | | | Balance | Parent Company | | |
|--------------------------|---------|----------------|---------|---------|---------|----------------|---------|---------|
| | | Fair value (i) | Level 1 | Level 2 | | Fair value (i) | Level 1 | Level 2 |
| January 1, 2012 | | | | | | | | |
| Loans and Financing(ii) | 42,451 | 48,325 | 35,884 | 12,441 | 19,208 | 19,719 | 12,010 | 7,710 |
| Perpetual notes (iii) | 149 | 149 | | 149 | | | | |
| December 31, 2012 | | | | | | | | |
| Loans and Financing(ii) | 60,988 | 66,872 | 52,757 | 14,115 | 31,794 | 33,183 | 18,817 | 14,366 |
| Perpetual notes (iii) | 146 | 146 | | 146 | | | | |
| December 31, 2013 | | | | | | | | |
| Loans and Financing(ii) | 67,926 | 70,289 | 37,397 | 32,892 | 35,560 | 36,377 | 7,889 | 28,488 |

(i) No classification according to the level 3.

(ii) Net interest of R\$1,051 in consolidated and R\$517 for parent company in December 2013, R\$868 in consolidated and R\$401 for parent company in December 2012 and R\$621 in consolidated and R\$280 for parent company in January 1st, 2012;

(iii) classified under Related Parties in noncurrent liabilities.

Table of Contents**25. Derivative financial instruments****a) Effects of Derivatives on the Balance Sheet**

| | December 31, 2013 | | Consolidated Assets December 31, 2012 | | January 1, 2012 | |
|--|-------------------|-------------|---|-------------|-----------------|-------------|
| | Current | Non-current | Current | Non-current | Current | Non-current |
| Derivatives not designated as hedge | | | | | | |
| Foreign exchange and interest rate risk | | | | | | |
| CDI & TJLP vs. US\$ fixed and floating rate swap | 408 | | 510 | 3 | 767 | 112 |
| Eurobonds Swap | 30 | 236 | | 80 | | |
| Pre dollar swap | 12 | | 33 | | 35 | |
| | 450 | 236 | 543 | 83 | 802 | 112 |
| Commodities price risk | | | | | | |
| Nickel: | | | | | | |
| Fixed price program | 9 | | | | 1 | |
| Bunker Oil | | | | | 7 | |
| | 9 | | | | 8 | |
| Warrants | | | | | | |
| SLW options (Note 30) | | 93 | | | | |
| | | 93 | | | | |
| Derivatives designated as hedge | | | | | | |
| Bunker Oil Hedge | 12 | | | | | |
| Strategic Nickel | | | 26 | | 301 | |
| Foreign exchange cash flow hedge | | | 6 | 10 | 1 | |
| | 12 | | 32 | 10 | 302 | |
| Total | 471 | 329 | 575 | 93 | 1,112 | 112 |

| | December 31, 2013 | | Consolidated Liabilities December 31, 2012 | | January 1, 2012 | |
|--|-------------------|-------------|--|-------------|-----------------|-------------|
| | Current | Non-current | Current | Non-current | Current | Non-current |
| Derivatives not designated as hedge | | | | | | |
| Foreign exchange and interest rate risk | | | | | | |
| | 434 | 3,207 | 696 | 1,431 | 91 | 1,101 |

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| | | | | | | |
|---|------------|--------------|------------|--------------|------------|--------------|
| CDI & TJLP vs. US\$ fixed and floating rate swap | | | | | | |
| Eurobonds Swap | 2 | | 9 | 37 | 8 | 61 |
| South African randes forward | | | | | 10 | |
| Pre dollar swap | 1 | 259 | | 129 | | 77 |
| | 437 | 3,466 | 705 | 1,597 | 109 | 1,239 |
| Commodities price risk | | | | | | |
| Nickel: | | | | | | |
| Fixed price program | 6 | | 3 | | 1 | |
| Bunker Oil | 20 | | | | | |
| | 26 | | 3 | | 1 | |
| Embedded derivatives | | | | | | |
| Gas | 1 | 3 | | 4 | | |
| | 1 | 3 | | 4 | | |
| Derivatives designated as hedge | | | | | | |
| Bunker Oil Hedge | 29 | | 2 | | | |
| Foreign exchange cash flow hedge | 63 | 27 | | | 26 | |
| | 92 | 27 | 2 | | 26 | |
| Total | 556 | 3,496 | 710 | 1,601 | 136 | 1,239 |

| | Parent Company Assets | | | | | |
|--|-----------------------|-------------|-------------------|-------------|-----------------|-------------|
| | December 31, 2013 | | December 31, 2012 | | January 1, 2012 | |
| | Current | Non-current | Current | Non-current | Current | Non-current |
| Derivatives not designated as hedge | | | | | | |
| Foreign exchange and interest rate risk | | | | | | |
| CDI & TJLP vs. US\$ fixed and floating rate swap | 366 | | 467 | 3 | 538 | 96 |
| Pre dollar swap | 12 | | 33 | | 35 | |
| | 378 | | 500 | 3 | 573 | 96 |
| Derivatives designated as hedge | | | | | | |
| Foreign exchange cash flow hedge | | | | | 1 | |
| | | | | | 1 | |
| Total | 378 | | 500 | 3 | 574 | 96 |

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| | December 31, 2013 | | Parent Company Liabilities December 31, 2012 | | January 1, 2012 | |
|--|-------------------|--------------|--|--------------|-----------------|-------------|
| | Current | Non-current | Current | Non-current | Current | Non-current |
| Derivatives not designated as hedge | | | | | | |
| Foreign exchange and interest rate risk | | | | | | |
| CDI & TJLP vs. US\$ fixed and floating rate swap | 434 | 2,929 | 558 | 1,281 | 91 | 876 |
| Pre dollar swap | 1 | 259 | | 129 | | 77 |
| | 435 | 3,188 | 558 | 1,410 | 91 | 953 |
| Derivatives designated as hedge | | | | | | |
| Foreign exchange cash flow hedge | | | | | 26 | |
| | | | | | 26 | |
| Total | 435 | 3,188 | 558 | 1,410 | 117 | 953 |

b) **Effects of derivatives in the statement of income**

| | Consolidated | | | Parent Company | |
|--|-------------------|-------------------|---------------------------------------|-------------------|-------------------|
| | December 31, 2013 | December 31, 2012 | Year ended as at December 31, 2011 | December 31, 2013 | December 31, 2012 |
| Derivatives not designated as hedge | | | | | |
| Foreign exchange and interest rate risk | | | | | |
| CDI & TJLP vs. US\$ fixed and floating rate swap | (1,961) | (655) | (273) | (1,878) | (660) |
| US\$ fixed rate vs. CDI (time deposits) | | | 128 | | |
| AUD Forward | | | (14) | | |
| NDF swap | | | (2) | | |
| Eurobonds Swap | 209 | 100 | (58) | | |
| Treasure future | | 15 | (22) | | |
| Pre dollar swap | (120) | (17) | (41) | (120) | (17) |
| | (1,872) | (557) | (282) | (1,998) | (677) |
| Commodities price risk | | | | | |
| Nickel: | | | | | |
| Fixed price program | (4) | (3) | 69 | | |
| Purchase program | | | 25 | | |
| Purchased scrap protection program | 1 | | 1 | | |
| Bunker Oil | (129) | | 60 | | |

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| | | | | | |
|--|----------------|--------------|-----------|----------------|--------------|
| | (132) | (3) | 155 | | |
| Warrants | | | | | |
| SLW Options (Note 30) | (126) | | | | |
| | (126) | | | | |
| Embedded derivatives | | | | | |
| Gas Oman | 2 | (5) | | | |
| Energy - Aluminum options | | | | (12) | |
| | 2 | (5) | | (12) | |
| Derivatives designated as hedge | | | | | |
| Bunker Oil Hedge | (92) | 4 | | | |
| Strategic Nickel | 27 | 336 | 93 | | |
| Foreign exchange cash flow hedge | (28) | (55) | 66 | 12 | (58) |
| | (93) | 285 | 159 | 12 | (58) |
| Total | (2,221) | (280) | 20 | (1,986) | (735) |
| Financial income | 810 | 992 | 1,722 | 294 | 274 |
| Financial expenses | (3,031) | (1,272) | (1,702) | (2,280) | (1,009) |
| Total | (2,221) | (280) | 20 | (1,986) | (735) |

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c) Effects of derivatives as Cash Flow hedge

| | Consolidated | | | Parent Company | |
|--|-------------------|-------------------|--|-------------------|-------------------|
| | December 31, 2013 | December 31, 2012 | (Inflows)/ Outflows Year ended as at December 31, 2011 | December 31, 2013 | December 31, 2012 |
| Derivatives not designated as hedges | | | | | |
| Exchange risk and interest rates | | | | | |
| CDI & TJLP vs. US\$ fixed and floating rate swap | 385 | (628) | (563) | 250 | (375) |
| US\$ floating rate vs. US\$ fixed rate swap | | | 7 | | |
| Euro floating rate vs. US\$ fixed rate swap | | | (1) | | |
| AUD Forward | | | (4) | | |
| EuroBonds Swap | 10 | 7 | 2 | | |
| US\$ fixed rate vs. CDI swap | | | (128) | | |
| South African randes forward | | | 13 | | |
| Treasury future | | (6) | 11 | | |
| Pre dollar swap | (33) | (36) | (1) | (33) | (36) |
| | 362 | (663) | (664) | 217 | (411) |
| Risk of product prices | | | | | |
| Nickel | | | | | |
| Fixed price program | 9 | 1 | (69) | | |
| Purchase program | | | (1) | | |
| Purchased scrap protection program | (1) | | | | |
| Maritime Freight Hiring Protection Program | | | 3 | | |
| Bunker Oil Hedge | 141 | (9) | (80) | | |
| Coal | | | 3 | | |
| | 149 | (8) | (144) | | |
| Derivatives designated as hedges | | | | | |
| Bunker Oil Hedge | 92 | (3) | | | |
| Strategic Nickel | (26) | (337) | (93) | | |
| Foreign exchange cash flow hedge | 28 | 55 | (88) | (12) | 57 |
| Aluminum | | | 12 | | |
| | 94 | (285) | (169) | (12) | 57 |
| Total | 605 | (956) | (977) | 205 | (354) |

| | | | | | |
|------------------------------|----------------|----------------|--------------|----------------|----------------|
| Gains (losses) | | | | | |
| unrealized derivative | (1,616) | (1,236) | (957) | (1,781) | (1,089) |

d) Effects of derivatives designated as hedge

i. Cash Flow Hedge

The effects of cash flow hedge impact the stockholders' equity and are presented in the following tables:

| | Currency | Year ended as at | | | noncontrolling stockholders | Consolidated Total |
|--|-------------|-----------------------|-------------|--------------|-----------------------------|--------------------|
| | | Parent Company Nickel | Others | Total | | |
| Fair value measurements | (4) | 46 | 1 | 43 | | 43 |
| Reclassification to results due to realization | 55 | (336) | (4) | (285) | | (285) |
| Net change in December 31, 2012 | 51 | (290) | (3) | (242) | | (242) |
| Fair value measurements | (81) | | (106) | (187) | | (187) |
| Reclassification to results due to realization | 27 | (26) | 92 | 93 | | 93 |
| Net change in December 31, 2013 | (54) | (26) | (14) | (94) | | (94) |

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Additional information about derivatives financial instruments

Value at Risk computation methodology

The Value at Risk of the positions was measured using a delta-Normal parametric approach, which considers that the future distribution of the risk factors - and its correlations - tends to present the same statistic properties verified in the historical data. The value at risk of Vale's derivatives current positions was estimated considering one business day time horizon and a 95% confidence level.

Contracts subjected to margin calls

Vale has contracts subject to margin calls only for part of nickel trades executed by its wholly-owned subsidiary Vale Canada Ltd. There was not cash amount subject to margin calls on December 31, 2013.

Initial Cost of Contracts

The financial derivatives negotiated by Vale and its controlled companies described in this document didn't have initial costs (initial cash flow) associated.

The following tables show as of December 31, 2013, the derivatives positions for Vale and controlled companies with the following information: notional amount, fair value (considering counterparty (credit) risk)(1), value at risk, gains or losses in the period and the fair value for the remaining years of the operations per each group of instruments.

Foreign Exchange and Interest Rates Derivative Positions

Protection program for the Real denominated debt indexed to CDI

- **CDI vs. USD fixed rate swap** In order to reduce the cash flow volatility, Vale entered into swap transactions to convert the cash flows from debt instruments denominated in Brazilian Reais linked to CDI to U.S. Dollars. In those swaps, Vale pays fixed rates in U.S. Dollars and receives payments linked to CDI.

- **CDI vs. USD floating rate swap** In order to reduce the cash flow volatility, Vale entered into swap transactions to convert the cash flows from debt instruments denominated in Brazilian Reais linked to CDI to U.S. Dollars. In those swaps, Vale pays floating rates in U.S. Dollars (Libor - London Interbank Offered Rate) and receives payments linked to CDI.

| Flow | Notional (\$ million) | | Index | Average rate | R\$ Million | | Realized Gain/Loss | Value at Risk | Fair value by year | | | | |
|-------------------------------------|-----------------------|-------------------|---------|--------------|--------------|----------------|--------------------|---------------|--------------------|-------------------|--------------|--------------|------|
| | December 31, 2013 | December 31, 2012 | | | Fair value | Fair value | | | December 31, 2013 | December 31, 2013 | 2014 | 2015 | 2016 |
| CDI vs. fixed rate swap | | | | | | | | | | | | | |
| Receivable | R\$ 5,096 | R\$ 8,184 | CDI | 109.45% | 5,601 | 8,399 | 3,883 | | | | | | |
| Payable | US\$ 2,603 | US\$ 4,425 | US\$ + | 3.82% | (6,557) | (9,468) | (4,624) | | | | | | |
| Net | | | | | (956) | (1,069) | (741) | 75 | 91 | (306) | (606) | (135) | |
| Adjusted Net for credit risk | | | | | (963) | | | | 91 | (308) | (609) | (137) | |
| CDI vs. floating rate swap | | | | | | | | | | | | | |
| Receivable | R\$ 428 | R\$ 428 | CDI | 103.50% | 446 | 443 | 31 | | | | | | |
| Payable | US\$ 250 | US\$ 250 | Libor + | 0.99% | (596) | (525) | (8) | | | | | | |
| Net | | | | | (150) | (82) | 23 | 6 | 33 | (183) | | | |
| Adjusted Net for credit risk | | | | | (150) | | | | 33 | (183) | | | |

Type of contracts: OTC Contracts

Protected Item: Debts linked to BRL

The protected items are the Debts linked to BRL because the objective of this protection is to transform the obligations linked to BRL into obligations linked to USD so as to achieve a currency offset by matching Vale's receivables (mainly linked to USD) with Vale's payables.

(1) The Adjusted net/total for credit risk as of 12/31/2013 considers the adjustments for credit (counterparty) risk calculated for the instruments, in accordance with International Financial Reporting Standard 13 (CPC 46). The inclusion of counterparty credit risk in the instruments fair value are prospective from 2013, while values of December 2012 were held without credit risk adjustments.

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Protection program for the real denominated debt indexed to TJLP

- TJLP vs. USD fixed rate swap** In order to reduce the cash flow volatility, Vale entered into swap transactions to convert the cash flows of the loans with Banco Nacional de Desenvolvimento Econômico e Social (BNDES) from TJLP(2) to U.S. Dollars. In those swaps, Vale pays fixed rates in U.S. Dollars and receives payments linked to TJLP.
- TJLP vs. USD floating rate swap** In order to reduce the cash flow volatility, Vale entered into swap transactions to convert the cash flows of the loans with BNDES from TJLP to U.S. Dollars. In those swaps, Vale pays floating rates in U.S. Dollars and receives payments linked to TJLP.

| Flow | Notional (\$ million) | | Index | Average rate | Fair value | | Realized Gain/Loss | Value at Risk | Fair value by year | | | |
|---|-----------------------|-------------------|-------|--------------|-------------------|-------------------|--------------------|---------------|--------------------|--------------|--------------|----------------|
| | December 31, 2013 | December 31, 2012 | | | December 31, 2013 | December 31, 2012 | | | December 31, 2013 | 2014 | 2015 | 2016 |
| Swap TJLP vs. fixed rate swap | | | | | | | | | | | | |
| Receivable | TJLP | | | | | | | | | | | |
| | R\$ 6,456 | R\$ 3,268 | + | 1.41% | 5,626 | 4,585 | 1,735 | | | | | |
| Payable | USD | | | | | | | | | | | |
| | US\$ 3,310 | US\$ 1,694 | + | 1.93% | (7,431) | (4,960) | (1,430) | | | | | |
| Net | | | | | (1,805) | (375) | 305 | 98 | (57) | (169) | (297) | (1,282) |
| Adjusted Net for credit risk | | | | | (1,881) | | | | (57) | (171) | (300) | (1,353) |
| Swap TJLP vs. floating rate swap | | | | | | | | | | | | |
| Receivable | TJLP | | | | | | | | | | | |
| | R\$ 615 | R\$ 626 | + | 0.95% | 525 | 576 | 45 | | | | | |
| Payable | Libor | | | | | | | | | | | |
| | US\$ 350 | US\$ 356 | + | -1.20% | (760) | (662) | (6) | | | | | |
| Net | | | | | (235) | (86) | 39 | 10 | (92) | 3 | (5) | (141) |
| Adjusted Net for credit risk | | | | | (238) | | | | (92) | 3 | (5) | (144) |

Type of contracts: OTC Contracts

Protected Item: Debts linked to BRL

The protected items are the Debts linked to BRL because the objective of this protection is to transform the obligations linked to BRL into obligations linked to USD so as to achieve a currency offset by matching Vale's receivables (mainly linked to USD) with Vale's payables.

Protection program for the Real denominated fixed rate debt

- **BRL fixed rate vs. USD fixed rate swap:** In order to hedge the cash flow volatility, Vale entered into a swap transaction to convert the cash flows from loans rate with Banco Nacional de Desenvolvimento Econômico e Social (BNDES) in Brazilian Reais linked to fixed rate to U.S. Dollars linked to fixed. In those swaps, Vale pays fixed rates in U.S. Dollars and receives fixed rates in Reais.

| Flow | Notional (\$ million) | | Average rate | Fair value | | Realized Gain/Loss | Value at Risk | Fair value by year | | | | | | | |
|--|-----------------------|-------------------|--------------|-------------------|-------------------|--------------------|---------------|--------------------|-----------|-------------|--------------|-------------|--|--|-------------|
| | December 31, 2013 | December 31, 2012 | | December 31, 2013 | December 31, 2012 | | | December 31, 2013 | 2014 | 2015 | 2016 | 2017 - 2023 | | | |
| R\$ fixed rate vs. US\$ fixed rate swap | | | | | | | | | | | | | | | |
| Receivable | R\$ 824 | R\$ 795 | Fix | 4.47% | 723 | 733 | 110 | | | | | | | | |
| Payable | US\$ 446 | US\$ 442 | US\$- | -1.16% | (963) | (829) | (77) | | | | | | | | |
| Net | | | | | (240) | (96) | 33 | 12 | 11 | (54) | (145) | | | | (52) |
| Adjusted Net for credit risk | | | | | (249) | | | | 11 | (55) | (148) | | | | (57) |

Type of contracts: OTC Contracts

Protected Item: Debts linked to BRL

The protected items are the Debts linked to BRL because the objective of this protection is to transform the obligations linked to BRL into obligations linked to USD so as to achieve a currency offset by matching Vale's receivables (mainly linked to USD) with Vale's payables.

Protection program for Euro denominated debt

- **EUR fixed rate vs. USD fixed rate swap:** In order to hedge the cash flow volatility, Vale entered into a swap transaction to convert the cash flows from debts in Euros linked to fixed rate to U.S. Dollars linked to fixed rate. This trade was used to convert the cash flows of part of debts in Euros, each one with a notional amount of 750 million, issued in 2010 and 2012 by Vale. Vale receives fixed rates in Euros and pays fixed rates in U.S. Dollars.

(2) Due to TJLP derivatives market liquidity constraints, some swap trades were done through CDI equivalency.

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| Flow | Notional (\$ million) | | | Average rate | R\$ million | | Realized Gain/Loss | Value at Risk | Fair value by year | | | |
|-------------------------------------|-----------------------|-------------------|------|--------------|-------------|------------|--------------------|---------------|--------------------|-------------------|------------|------|
| | December 31, 2013 | December 31, 2012 | EUR | | Fair value | Fair value | | | December 31, 2013 | December 31, 2013 | 2014 | 2015 |
| Receivable | 1,000 | 1,000 | EUR | 4.063% | 3,585 | 3,108 | 81 | | | | | |
| Payable | US\$88 | US\$88 | US\$ | 4.511% | (3,306) | (3,073) | (91) | | | | | |
| Net | | | | | 279 | 35 | (10) | 26 | 28 | (2) | 253 | |
| Adjusted Net for credit risk | | | | | 264 | | | | 28 | (2) | 238 | |

Type of contracts: OTC Contracts

Protected Item: Vale's Debt linked to EUR

The P&L shown in the table above is offset by the hedged items' P&L due to EUR/USD exchange rate.

Foreign exchange hedging program for disbursements in Canadian dollars

- **Canadian Dollar Forward** In order to reduce the cash flow volatility, Vale entered into forward transactions to mitigate the foreign exchange exposure that arises from the currency mismatch between the revenues denominated in U.S. Dollars and the disbursements denominated in Canadian Dollars.

| Flow | Notional (\$ million) | | | Average rate | R\$ million | | Realized Gain/Loss | Value at Risk | Fair value by year | | | |
|---------------------------------------|-----------------------|-------------------|----------|--------------|-------------|------------|--------------------|---------------|--------------------|-------------------|-------------|------------|
| | December 31, 2013 | December 31, 2012 | Buy/Sell | | Fair value | Fair value | | | December 31, 2013 | December 31, 2013 | 2014 | 2015 |
| Forward | CAD 786 | CAD 1,362 | B | 1.006 | (90) | 15 | | | 12 | (63) | (26) | (1) |
| Adjusted total for credit risk | | | | | (90) | | | | | (63) | (26) | (1) |

Type of contracts: OTC Contracts

Hedged Item: part of disbursements in Canadian Dollars

The P&L shown in the table above is offset by the hedged items P&L due to CAD/USD exchange rate.

Commodity Derivative Positions

The Company's cash flow is also exposed to several market risks associated to global commodities price volatilities. To offset these volatilities, Vale contracted the following derivatives transactions:

Nickel Purchase Protection Program

In order to reduce the cash flow volatility and eliminate the mismatch between the pricing of the purchased nickel (concentrate, cathode, sinter and others) and the pricing of the final product sold to our clients, hedging transactions were implemented. The items purchased are raw materials utilized to produce refined Nickel. The trades are usually implemented by the sale of nickel forward or future contracts at LME or over-the-counter operations.

| Flow | Notional (ton) | | Buy/ Sell | Average Strike (US\$/ton) | R\$ million | | Realized Gain/Loss December 31, 2013 | Value at Risk December 31, 2013 | Fair value December 31, 2013 |
|---------------------------------------|-------------------|-------------------|-----------|------------------------------|-------------------|-------------------|---|------------------------------------|---------------------------------|
| | December 31, 2013 | December 31, 2012 | | | December 31, 2013 | December 31, 2012 | | | |
| | Nickel Futures | 168 | | | 210 | S | | | |
| Adjusted total for credit risk | | | | | 0.08 | | | | |

Type of contracts: LME Contracts and OTC contracts

Protected Item: part of Vale's revenues linked to Nickel price.

The P&L shown in the table above is offset by the protected items P&L due to Nickel price.

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Nickel Fixed Price Program

In order to maintain the exposure to Nickel price fluctuations, we entered into derivatives to convert to floating prices all contracts with clients that required a fixed price. These trades aim to guarantee that the prices of these operations would be the same of the average prices negotiated in LME in the date the product is delivered to the client. It normally involves buying Nickel forwards (Over-the-Counter) or futures (exchange negotiated). Those operations are usually reverted before the maturity in order to match the settlement dates of the commercial contracts in which the prices are fixed.

| Flow | Notional (ton) | | Buy/ Sell | Average Strike (US\$/ton) | R\$ million Fair value | | Realized Gain/Loss December 31, 2013 | Value at Risk December 31, 2013 | Fair value 2014 |
|---------------------------------------|-------------------|-------------------|-----------|------------------------------|---------------------------|-------------------|---|------------------------------------|--------------------|
| | December 31, 2013 | December 31, 2012 | | | December 31, 2013 | December 31, 2012 | | | |
| Nickel Futures | 6,317 | | B | 14,274 | (5) | | (8) | 4 | (5) |
| Adjusted total for credit risk | | | | | (5) | | | | (5) |

Type of contracts: LME Contracts and OTC contracts

Protected Item: part of Vale's revenues linked to fixed price sales of Nickel.

The P&L shown in the table above is offset by the protected items' P&L due to Nickel price.

Copper Scrap Purchase Protection Program

This program was implemented in order to reduce the cash flow volatility due to the quotation period mismatch between the pricing period of copper scrap purchase and the pricing period of final products sale to the clients, as the copper scrap combined with other raw materials or inputs to produce copper for the final clients. This program usually is implemented by the sale of forwards or futures at LME or Over-the-Counter operations.

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| Flow | Notional (lbs) | | Buy/ Sell | Average Strike (US\$/lbs) | R\$ million Fair value | | Realized Gain/Loss December 31, 2013 | Value at Risk December 31, 2013 | Fair v |
|--------------------------------|-------------------|-------------------|-----------|------------------------------|---------------------------|-------------------|---|------------------------------------|--------|
| | December 31, 2013 | December 31, 2012 | | | December 31, 2013 | December 31, 2012 | | | |
| Forward | 1,101,029 | 937,517 | S | 3.27 | (0.34) | 0.01 | 0.9 | 0.2 | |
| Adjusted total for credit risk | | | | | (0.34) | | | | |

Type of contracts: OTC Contracts

Protected Item: of Vale's revenues linked to Copper price.

The P&L shown in the table above is offset by the protected items' P&L due to copper price.

Bunker Oil Purchase Hedging Program

In order to reduce the impact of bunker oil price fluctuation on Vale's freight hiring/supply and consequently reducing the company's cash flow volatility, bunker oil derivatives were implemented. These transactions are usually executed through forward purchases.

| Flow | Notional (ton) | | Buy/ Sell | Average Strike (US\$/mt) | R\$ million Fair value | | Realized Gain/Loss December 31, 2013 | Value at Risk December 31, 2013 | Fair v |
|--------------------------------|-------------------|-------------------|-----------|-----------------------------|---------------------------|-------------------|---|------------------------------------|--------|
| | December 31, 2013 | December 31, 2012 | | | December 31, 2013 | December 31, 2012 | | | |
| Forward | 1,590,000 | | B | 606 | (8) | | (98) | 33 | |
| Adjusted total for credit risk | | | | | (8) | | | | |

Type of contracts: OTC Contracts

Protected Item: part of Vale's costs linked to bunker oil price

The P&L shown in the table above is offset by the protected items' P&L due to bunker oil price.

Sell of part of future gold production (subproduct) from Vale

The company has definitive contracts with Silver Wheaton Corp. (SLW), a Canadian company with stocks negotiated in Toronto Stock Exchange and New York Stock Exchange, to sell 25% of gold payable flows produced as a sub product from Salobo copper mine during its life and 70% of gold payable flows produced as a sub product from some nickel mines in Sudbury during 20 years. For this

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transaction the payment was realized part in cash (US\$ 1.9 billion) and part as 10 million of SLW warrants with strike price of US\$ 65 and 10 years term, where this last part configures an American call option.

| Flow | Notional (\$ million) | | Buy/ Sell | Average Strike (US\$/stock) | R\$ million Fair value | | Realized Gain/Loss December 31, 2013 | Value at Risk December 31, 2013 | Fair v |
|---|-----------------------|-------------------|-----------|--------------------------------|---------------------------|-------------------|---|------------------------------------|--------|
| | December 31, 2013 | December 31, 2012 | | | December 31, 2013 | December 31, 2012 | | | |
| Call Option | 10 | | B | 65 | 93 | | | 8 | |
| Adjusted total for credit risk | | | | | 93 | | | | |

Embedded Derivative Positions

The Company's cash flow is also exposed to several market risks associated to contracts that contain embedded derivatives or derivative-like features. From Vale's perspective, it may include, but is not limited to, commercial contracts, procurement contracts, rental contracts, bonds, insurance policies and loans. The following embedded derivatives were observed in December 31, 2013:

Raw material and intermediate products purchase

Nickel concentrate and raw materials purchase agreements, in which there are provisions based on nickel and copper future prices behavior. These provisions are considered as embedded derivatives.

| Flow | Notional (ton) | | Buy/ Sell | Average Strike (US\$/ton) | R\$ million Fair value | | Realized Gain/Loss December 31, 2013 | Value at Risk December 31, 2013 | Fair v |
|--------------------|-------------------|-------------------|-----------|------------------------------|---------------------------|-------------------|---|------------------------------------|----------|
| | December 31, 2013 | December 31, 2012 | | | December 31, 2013 | December 31, 2012 | | | |
| Nickel Forwards | 2,111 | 2,475 | S | 13,895 | 0.1 | 2.0 | (5.4) | | |
| Copper Forwards | 6,277 | 7,272 | | 7,141 | 0.8 | 0.9 | (6.8) | | |
| Total | | | | | 0.9 | 2.9 | (12.2) | | 3 |

Gas purchase for Pelletizing Company in Oman

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Our subsidiary Vale Oman Pelletizing Company LLC has a natural gas purchase agreement in which there's a clause that defines that a premium can be charged if pellet prices trades above a pre-defined level. This clause is considered as an embedded derivative.

| Flow | Notional (volume/month) | | Buy/ Sell | Average Strike (US\$/ton) | R\$ million Fair value | | Realized Gain/Loss December 31, 2013 | Value at Risk December 31, 2013 | Fair value 2014 |
|-----------------|-------------------------|-------------------|-----------|------------------------------|---------------------------|-------------------|---|------------------------------------|--------------------|
| | December 31, 2013 | December 31, 2012 | | | December 31, 2013 | December 31, 2012 | | | |
| Call Options | 746,667 | 746,667 | S | 179.36 | (3.6) | (4.7) | | 4 | (0.5) |

a) Market Curves

To build the curves used on the pricing of the derivatives, public data from BM&F, Central Bank of Brazil, London Metals Exchange (LME) and proprietary data from Thomson Reuters and Bloomberg were used.

Table of Contents**1. Commodities****Nickel**

| Maturity | Price (US\$/ton) | Maturity | Price (US\$/ton) | Maturity | Price (US\$/ton) |
|----------|------------------|----------|------------------|----------|------------------|
| SPOT | 13,970.00 | JUN14 | 13,967.49 | DEC14 | 14,083.45 |
| JAN14 | 13,855.01 | JUL14 | 13,987.19 | DEC15 | 14,317.77 |
| FEB14 | 13,875.91 | AUG14 | 14,006.82 | DEC16 | 14,552.63 |
| MAR14 | 13,901.43 | SEP14 | 14,027.17 | DEC17 | 14,788.75 |
| APR14 | 13,923.96 | OCT14 | 14,046.79 | | |
| MAY14 | 13,945.99 | NOV14 | 14,065.35 | | |

Copper

| Maturity | Price (US\$/lb) | Maturity | Price (US\$/lb) | Maturity | Price (US\$/lb) |
|----------|-----------------|----------|-----------------|----------|-----------------|
| SPOT | 3.40 | JUN14 | 3.33 | DEC14 | 3.31 |
| JAN14 | 3.34 | JUL14 | 3.32 | DEC15 | 3.28 |
| FEB14 | 3.34 | AUG14 | 3.32 | DEC16 | 3.27 |
| MAR14 | 3.34 | SEP14 | 3.32 | DEC17 | 3.25 |
| APR14 | 3.34 | OCT14 | 3.31 | | |
| MAY14 | 3.33 | NOV14 | 3.31 | | |

Bunker Oil

| Maturity | Price (US\$/ton) | Maturity | Price (US\$/ton) | Maturity | Price (US\$/ton) |
|----------|------------------|----------|------------------|----------|------------------|
| SPOT | 613.79 | JUN14 | 602.52 | DEC14 | 595.25 |
| JAN14 | 610.71 | JUL14 | 601.91 | DEC15 | 581.56 |
| FEB14 | 607.99 | AUG14 | 601.26 | DEC16 | 587.66 |
| MAR14 | 604.94 | SEP14 | 600.77 | DEC17 | 590.61 |
| APR14 | 603.60 | OCT14 | 600.25 | | |
| MAY14 | 603.11 | NOV14 | 599.46 | | |

Table of Contents**2. Rates****US\$-Brazil Interest Rate**

| Maturity | Rate (% p.a.) | Maturity | Rate (% p.a.) | Maturity | Rate (% p.a.) |
|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|
| 02/03/14 | 6.45 | 04/01/16 | 2.50 | 10/01/18 | 3.53 |
| 03/05/14 | 3.98 | 07/01/16 | 2.56 | 01/02/19 | 3.72 |
| 04/01/14 | 3.30 | 10/03/16 | 2.61 | 04/01/19 | 3.87 |
| 07/01/14 | 2.64 | 01/02/17 | 2.72 | 07/01/19 | 4.00 |
| 10/01/14 | 2.52 | 04/03/17 | 2.82 | 10/01/19 | 4.17 |
| 01/02/15 | 2.51 | 07/03/17 | 2.94 | 01/02/20 | 4.27 |
| 04/01/15 | 2.46 | 10/02/17 | 3.06 | 07/01/20 | 4.43 |
| 07/01/15 | 2.44 | 01/02/18 | 3.19 | 01/04/21 | 4.77 |
| 10/01/15 | 2.41 | 04/02/18 | 3.31 | 07/01/21 | 5.02 |
| 01/04/16 | 2.46 | 07/02/18 | 3.41 | 01/03/22 | 5.25 |

US\$ Interest Rate

| Maturity | Rate (% p.a.) | Maturity | Rate (% p.a.) | Maturity | Rate (% p.a.) |
|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|
| US\$1M | 0.17 | US\$6M | 0.29 | US\$11M | 0.31 |
| US\$2M | 0.21 | US\$7M | 0.30 | US\$12M | 0.31 |
| US\$3M | 0.25 | US\$8M | 0.30 | US\$2Y | 0.49 |
| US\$4M | 0.27 | US\$9M | 0.30 | US\$3Y | 0.89 |
| US\$5M | 0.28 | US\$10M | 0.31 | US\$4Y | 1.39 |

TJLP

| Maturity | Rate (% p.a.) | Maturity | Rate (% p.a.) | Maturity | Rate (% p.a.) |
|-----------------|----------------------|-----------------|----------------------|-----------------|----------------------|
| 02/03/14 | 5.00 | 04/01/16 | 5.00 | 10/01/18 | 5.00 |
| 03/05/14 | 5.00 | 07/01/16 | 5.00 | 01/02/19 | 5.00 |
| 04/01/14 | 5.00 | 10/03/16 | 5.00 | 04/01/19 | 5.00 |
| 07/01/14 | 5.00 | 01/02/17 | 5.00 | 07/01/19 | 5.00 |
| 10/01/14 | 5.00 | 04/03/17 | 5.00 | 10/01/19 | 5.00 |
| 01/02/15 | 5.00 | 07/03/17 | 5.00 | 01/02/20 | 5.00 |
| 04/01/15 | 5.00 | 10/02/17 | 5.00 | 07/01/20 | 5.00 |
| 07/01/15 | 5.00 | 01/02/18 | 5.00 | 01/04/21 | 5.00 |

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| | | | | | |
|----------|------|----------|------|----------|------|
| 10/01/15 | 5.00 | 04/02/18 | 5.00 | 07/01/21 | 5.00 |
| 01/04/16 | 5.00 | 07/02/18 | 5.00 | 01/03/22 | 5.00 |

BRL Interest Rate

| Maturity | Rate (% p.a.) | Maturity | Rate (% p.a.) | Maturity | Rate (% p.a.) |
|----------|---------------|----------|---------------|----------|---------------|
| 02/03/14 | 9.98 | 04/01/16 | 11.84 | 10/01/18 | 12.74 |
| 03/05/14 | 10.08 | 07/01/16 | 12.03 | 01/02/19 | 12.83 |
| 04/01/14 | 10.14 | 10/03/16 | 12.17 | 04/01/19 | 12.81 |
| 07/01/14 | 10.28 | 01/02/17 | 12.28 | 07/01/19 | 12.79 |
| 10/01/14 | 10.45 | 04/03/17 | 12.36 | 10/01/19 | 12.86 |
| 01/02/15 | 10.58 | 07/03/17 | 12.48 | 01/02/20 | 12.91 |
| 04/01/15 | 10.83 | 10/02/17 | 12.57 | 07/01/20 | 13.00 |
| 07/01/15 | 11.15 | 01/02/18 | 12.63 | 01/04/21 | 13.07 |
| 10/01/15 | 11.44 | 04/02/18 | 12.63 | 07/01/21 | 13.09 |
| 01/04/16 | 11.62 | 07/02/18 | 12.70 | 01/03/22 | 13.11 |

EUR Interest Rate

| Maturity | Rate (% p.a.) | Maturity | Rate (% p.a.) | Maturity | Rate (% p.a.) |
|----------|---------------|----------|---------------|----------|---------------|
| EUR1M | 0.20 | EUR6M | 0.36 | EUR11M | 0.40 |
| EUR2M | 0.23 | EUR7M | 0.37 | EUR12M | 0.40 |
| EUR3M | 0.27 | EUR8M | 0.38 | EUR2Y | 0.54 |
| EUR4M | 0.31 | EUR9M | 0.39 | EUR3Y | 0.74 |
| EUR5M | 0.34 | EUR10M | 0.39 | EUR4Y | 1.02 |

CAD Interest Rate

| Maturity | Rate (% p.a.) | Maturity | Rate (% p.a.) | Maturity | Rate (% p.a.) |
|----------|---------------|----------|---------------|----------|---------------|
| CAD1M | 1.22 | CAD6M | 1.37 | CAD11M | 1.28 |
| CAD2M | 1.25 | CAD7M | 1.34 | CAD12M | 1.27 |
| CAD3M | 1.27 | CAD8M | 1.32 | CAD2Y | 1.41 |
| CAD4M | 1.32 | CAD9M | 1.30 | CAD3Y | 1.69 |
| CAD5M | 1.35 | CAD10M | 1.29 | CAD4Y | 2.08 |

Currencies - Ending rates

| | | | | | |
|----------|--------|----------|--------|----------|--------|
| CAD/US\$ | 0.9398 | US\$/BRL | 2.3426 | EUR/US\$ | 1.3789 |
|----------|--------|----------|--------|----------|--------|

Table of Contents**Sensitivity Analysis**

We present below the sensitivity analysis for all derivatives outstanding positions as of December 31, 2013 given predefined scenarios for market risk factors behavior. The scenarios were defined as follows:

- Fair Value: the fair value of the instruments as at December 31, 2013;
- Scenario I: Potential change in fair value of Vale's financial instruments' positions considering a 25% depreciation of market curves for underlying market risk factors;
- Scenario II: Potential change in fair value of Vale's financial instruments' positions considering a 25% appreciation of market curves for underlying market risk factors;
- Scenario III: Potential change in fair value of Vale's financial instruments' positions considering a 50% depreciation of market curves for underlying market risk factors;
- Scenario IV: Potential change in fair value of Vale's financial instruments' positions considering a 50% appreciation of market curves for underlying market risk factors;

Sensitivity Analysis - Summary of the USD/BRL fluctuation - Debt, Cash Investments and Derivatives**Sensitivity analysis - Summary of the USD/BRL fluctuation***Amounts in R\$ million*

| Program | Instrument | Risk | Scenario I | Scenario II | Scenario III | Scenario IV |
|------------------|------------------------------------|---------------------|------------|-------------|--------------|-------------|
| Funding | Debt denominated in BRL | No fluctuation | | | | |
| Funding | Debt denominated in USD | USD/BRL fluctuation | 12,204 | (12,204) | 24,409 | (24,409) |
| Cash Investments | Cash denominated in BRL | USD/BRL fluctuation | 2 | (2) | 5 | (5) |
| Cash Investments | Cash denominated in USD | USD/BRL fluctuation | 0 | 0 | 0 | 0 |
| Derivatives* | Consolidated derivatives portfolio | USD/BRL fluctuation | (4,077) | 4,077 | (8,154) | 8,154 |
| Net result | | | 8,130 | (8,130) | 16,259 | (16,259) |

(*) Detailed information of derivatives block is described below.

Sensitivity Analysis Consolidated Derivative Position

Sensitivity analysis - Foreign Exchange and Interest Rate Derivative Positions

Amounts in R\$ million

| Program | Instrument | Risk | Fair Value | Scenario I | Scenario II | Scenario III | Scenario IV |
|--|--|-------------------------------------|------------|------------|-------------|--------------|-------------|
| Protection program for the Real denominated debt indexed to CDI | CDI vs. USD fixed rate swap | USD/BRL fluctuation | | (1,639) | 1,639 | (3,279) | 3,279 |
| | | USD interest rate inside | | | | | |
| | | Brazil variation | (963) | (79) | 76 | (160) | 150 |
| | | Brazilian interest rate fluctuation | | (24) | 22 | (50) | 42 |
| | CDI vs. USD floating rate swap | USD Libor variation | | (0.2) | 0.2 | (0.4) | 0.4 |
| | | USD/BRL fluctuation | | (149) | 149 | (298) | 298 |
| | | Brazilian interest rate fluctuation | (150) | (0.4) | 0.4 | (0.8) | 0.7 |
| | | USD Libor variation | | (0.02) | 0.02 | (0.04) | 0.04 |
| Protected Items - Real denominated debt | USD/BRL fluctuation | n.a. | | | | | |
| Protection program for the Real denominated debt indexed to TJLP | TJLP vs. USD fixed rate swap | USD/BRL fluctuation | | (1,858) | 1,858 | (3,715) | 3,715 |
| | | USD interest rate inside | | | | | |
| | | Brazil variation | (1,881) | (166) | 155 | (345) | 301 |
| | | Brazilian interest rate fluctuation | | 430 | (375) | 926 | (704) |
| | TJLP vs. USD floating rate swap | TJLP interest rate fluctuation | | (198) | 193 | (397) | 377 |
| | | USD/BRL fluctuation | | (190) | 190 | (380) | 380 |
| | | USD interest rate inside | | | | | |
| | | Brazil variation | | (17) | 15 | (35) | 30 |
| | Protected Items - Real denominated debt | Brazilian interest rate fluctuation | (238) | 34 | (30) | 74 | (56) |
| | | TJLP interest rate fluctuation | | (16) | 16 | (32) | 31 |
| USD Libor variation | | | 9 | (9) | 18 | (18) | |
| Protected Items - Real denominated debt | USD/BRL fluctuation | n.a. | | | | | |
| Protection program for the Real denominated fixed rate debt | BRL fixed rate vs. USD fixed rate swap | USD/BRL fluctuation | | (241) | 241 | (482) | 482 |
| | | USD interest rate inside | | | | | |
| | | Brazil variation | (249) | (16) | 15 | (33) | 29 |
| | Protected Items - Real denominated debt | Brazilian interest rate fluctuation | | 44 | (39) | 94 | (75) |
| Protected Items - Real denominated debt | USD/BRL fluctuation | n.a. | | | | | |
| Protection Program for the Euro denominated debt | EUR fixed rate vs. USD fixed rate swap | EUR/USD fluctuation | | 896 | (896) | 1,793 | (1,793) |
| | | EUR Libor variation | 264 | 70 | (64) | 146 | (124) |
| | | USD Libor variation | | (84) | 74 | (178) | 141 |
| | Protected Items - Euro denominated debt | EUR/USD fluctuation | n.a. | (896) | 896 | (1,793) | 1,793 |
| Foreign Exchange hedging program for disbursements in Canadian dollars (CAD) | CAD Forward | USD/CAD fluctuation | | (454) | 454 | (909) | 909 |
| | | CAD Libor variation | (90) | 4 | (4) | 9 | (9) |
| | | USD Libor variation | | (1.3) | 1.3 | (2.6) | 2.6 |
| | Protected Items - Disbursement in Canadian dollars | USD/CAD fluctuation | n.a. | 454 | (454) | 909 | (909) |

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Sensitivity analysis - Commodity Derivative Positions

Amounts in R\$ million

| Program | Instrument | Risk | Fair Value | Scenario I | Scenario II | Scenario III | Scenario IV |
|---|--|---|-----------------------------|------------|-------------|--------------|-------------|
| Nickel purchase protection program | Sale of nickel future/forward contracts | Nickel price fluctuation | | 1.4 | (1.4) | 2.8 | (2.8) |
| | | Libor USD fluctuation | 0.08 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | USD/CAD fluctuation | | 0.02 | (0.02) | 0.04 | (0.04) |
| | Protected Item: Part of Vale's revenues linked to Nickel price | Nickel price fluctuation | n.a. | (1.4) | 1.4 | (2.8) | 2.8 |
| Nickel fixed price program | Purchase of nickel future/forward contracts | Nickel price fluctuation | | (52) | 52 | (104) | 104 |
| | | Libor USD fluctuation | (5) | (0.06) | 0.06 | (0.13) | 0.13 |
| | | USD/CAD fluctuation | | (1.3) | 1.3 | (2.6) | 2.6 |
| | | Protected Item: Part of Vale's nickel revenues from sales with fixed prices | Nickel price fluctuation | n.a. | 52 | (52) | 104 |
| Copper Scrap Purchase Protection Program | Sale of copper future/forward contracts | Copper price fluctuation | | 2 | (2) | 4 | (4) |
| | | Libor USD fluctuation | (0.34) | 0 | 0 | 0 | 0 |
| | Protected Item: Part of Vale's revenues linked to Copper price | USD/CAD fluctuation | | (0.1) | 0.1 | (0.2) | 0.2 |
| | | Copper price fluctuation | n.a. | (2) | 2 | (4) | 4 |
| Bunker Oil Hedge Protection Program | Bunker Oil forward | Bunker Oil price fluctuation | (8) | (562) | 562 | (1,123) | 1,123 |
| | | Protected Item: part of Vale's costs linked to | | (0.7) | 0.7 | (1.5) | 1.5 |
| | | Bunker Oil price | n.a. | 562 | (562) | 1,123 | (1,123) |
| Sell of part of future gold production (subproduct) from Vale | 10 million of SLW warrants | SLW stock price fluctuation | 93 | (40) | 48 | (71) | 102 |
| | | Libor USD fluctuation | | (5) | 5 | (11) | 10 |
| | | Sell of part of future gold production (subproduct) from Vale | SLW stock price fluctuation | n.a. | 40 | (48) | 71 |

Sensitivity analysis - Embedded Derivative Positions

Amounts in R\$ million

| Program | Instrument | Risk | Fair Value | Scenario I | Scenario II | Scenario III | Scenario IV |
|---|--|--------------------------|------------|------------|-------------|--------------|-------------|
| Embedded derivatives - Raw material purchase (Nickel) | Embedded derivatives - Raw material purchase | Nickel price fluctuation | | 17 | (17) | (34) | (34) |
| | | USD/CAD fluctuation | 0.1 | 0.02 | (0.02) | 0.05 | (0.05) |
| Embedded derivatives - Raw material | Embedded derivatives - Raw material purchase | Copper price fluctuation | 0.8 | 26 | (26) | 53 | (53) |
| | | USD/CAD fluctuation | | 0.2 | (0.2) | 0.4 | (0.4) |

| | | | | | | | |
|---|-------------------------------------|--------------------------|-------|---|-----|---|------|
| purchase (Copper) | | | | | | | |
| Embedded derivatives - Gas purchase for Pelletizing Company in Oman | Embedded derivatives - Gas purchase | Pellet price fluctuation | (3.6) | 3 | (6) | 4 | (18) |

Sensitivity Analysis - Cash Investments Other currencies

The Company's cash investments linked to other different currencies are also subjected to volatility of foreign exchange currencies.

Sensitivity analysis - Cash Investments (Other currencies)

Amounts in R\$ million

| Program | Instrument | Risk | Scenario I | Scenario II | Scenario III | Scenario IV |
|------------------|--------------------------------------|--------|------------|-------------|--------------|-------------|
| Cash Investments | Cash denominated in EUR | EUR | (20) | 20 | (40) | 40 |
| Cash Investments | Cash denominated in CAD | CAD | (2) | 2 | (3) | 3 |
| Cash Investments | Cash denominated in GBP | GBP | (3) | 3 | (6) | 6 |
| Cash Investments | Cash denominated in AUD | AUD | (1) | 1 | (3) | 3 |
| Cash Investments | Cash denominated in Other Currencies | Others | (151) | 151 | (301) | 301 |

Financial counterparties ratings

Derivatives transactions are executed with financial institutions that we consider to have a very good credit quality. The exposure limits to financial institutions are proposed annually for the Executive Risk Committee and approved by the Executive Board. The financial institutions credit risk tracking is performed making use of a credit risk valuation methodology which considers, among other information, published ratings provided by international rating agencies. In the table below, we present the ratings in foreign currency published by Moody's and S&P agencies for the financial institutions that we had outstanding trades as of December 31, 2013.

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| Vale's Counterparty | Moody's* | S&P* |
|---------------------------------------|----------|------|
| ANZ Australia and New Zealand Banking | Aa2 | AA- |
| Banco Amazônia SA | | |
| Banco Bradesco | Baa2 | BBB |
| Banco de Credito del Peru | Baa2 | BBB+ |
| Banco do Brasil | Baa2 | BBB |
| Banco do Nordeste | Baa3 | BBB |
| Banco Safra | Baa2 | BBB- |
| Banco Santander | Baa2 | BBB |
| Banco Votorantim | Baa2 | BBB- |
| Bank of America | Baa2 | A- |
| Bank of Nova Scotia | Aa2 | A+ |
| Banpara | Ba3 | BB+ |
| Barclays | A3 | A- |
| BNP Paribas | A2 | A+ |
| BTG Pactual | Baa3 | BBB- |
| Caixa Economica Federal | Baa2 | BBB |
| Canadian Imperial Bank | Aa3 | A+ |
| Citigroup | Baa2 | A- |
| Credit Agricole | A2 | A |
| Deutsche Bank | A2 | A |
| Goldman Sachs | Baa1 | A- |
| HSBC | Aa3 | A+ |
| Itau Unibanco | Baa2 | BBB |
| JP Morgan Chase & Co | A3 | A |
| Morgan Stanley | Baa2 | A- |
| National Australia Bank NAB | Aa2 | AA- |
| Rabobank | Aa2 | AA- |
| Royal Bank of Canada | Aa3 | AA- |
| Standard Bank | Baa1 | |
| Standard Chartered | A2 | A+ |

* Long Term Rating / LT Foreign Issuer Credit

Table of Contents**26. Stockholders Equity****a) Capital**

The Stockholders Equity is represented by common shares (ON) and preferred non-redeemable shares (PNA) without par value. Preferred shares have the same rights as common shares, with the exception of voting for election of members of the Board of Directors. The Board of Directors may, regardless of changes to bylaws, issuing new shares (authorized capital), including the capitalization of profits and reserves to the extent authorized.

In December 31 2013, the capital was R\$75,000 corresponding to 5,365,304,100 shares (3,256,724,482 ON and 2,108,579,618 PNA) with no par value.

| | ON | December 31, 2013 PNA | Total |
|---|----------------------|--------------------------|----------------------|
| Stockholders | | | |
| Valepar S.A. | 1,716,435,045 | 20,340,000 | 1,736,775,045 |
| Brazilian Government (Golden Share) | | 12 | 12 |
| Foreign investors - ADRs | 678,840,482 | 636,876,650 | 1,315,717,132 |
| FMP - FGTS | 87,326,796 | | 87,326,796 |
| PIBB - BNDES | 1,687,106 | 2,510,536 | 4,197,642 |
| BNDESPar | 206,378,882 | 66,185,272 | 272,564,154 |
| Foreign institutional investors in local market | 295,118,380 | 501,332,642 | 796,451,022 |
| Institutional investors | 147,334,073 | 369,297,845 | 516,631,918 |
| Retail investors in Brazil | 52,532,236 | 371,178,969 | 423,711,205 |
| Treasure stock in Brazil | 71,071,482 | 140,857,692 | 211,929,174 |
| Total | 3,256,724,482 | 2,108,579,618 | 5,365,304,100 |

b) Revenue reserves

The amount of revenue reserves are distributed as follow:

| Investment reserve | Legal reserve | Tax incentive reserve | Total of undistributed revenue reserves |
|--------------------|---------------|-----------------------|--|
|--------------------|---------------|-----------------------|--|

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| | | | | |
|--|---------------|--------------|--------------|---------------|
| Balance as of January 1, 2011 | 65,685 | 5,700 | 1,102 | 72,487 |
| Capitalization of reserves | (22,867) | | (266) | (23,133) |
| Allocation of income | 25,864 | 1,891 | 996 | 28,751 |
| Balance as of December 31, 2011 | 68,682 | 7,591 | 1,832 | 78,105 |
| Realization of reserves | (740) | | | (740) |
| Allocation of income | | 486 | 599 | 1,085 |
| Balance as of December 31, 2012 | 67,942 | 8,077 | 2,431 | 78,450 |
| Realization of reserves | (9,220) | | | (9,220) |
| Allocation of income | | 7 | 25 | 32 |
| Balance as of December 31, 2013 | 58,722 | 8,084 | 2,456 | 69,262 |

Investment reserve aims to ensure the maintenance and development for activities that comprise the Company's purpose in an amount not exceeding 50% of net income.

Legal reserve is a requirement for all Brazilian Public Company and represents ownership of 5% of annual net income based on Brazilian law, up to 20% of the capital.

Tax incentive reserve resulting from the option to designate a portion of the income tax for investments in projects approved by the Brazilian Government as well as tax incentives (Note 21).

c) Resources linked to the future mandatory conversion in shares

In June 2012, the convertible notes series VALE and VALE.P-2012 were converted into ADS and represent an aggregate of 15,839,592 common shares and 40,241,968 preferred class A shares. The Conversion was made using 56,081,560 treasury stocks held by the Company. The difference between the book value of the treasury stocks R\$2,079 and the total amount received R\$2,129 was recognized in the stockholder's equity, with no profit or loss impact.

Table of Contents**d) Treasury stocks**

In November 2011, as part of the buy-back program approved in June 2011, we concluded the acquisitions of 39,536,080 common shares, at an average price of R\$ 44.06 per share, and 81,451,900 preferred shares, at an average price of R\$ 40.90 per share (including shares of each class in the form of ADR), for a total aggregate purchase price of US\$3,000. The repurchased shares represent 3.1% of the free float of common shares, and 4.24% of the free float of preferred shares, outstanding before the launch of the program. These shares acquired will be cancelled in the future.

As at December 31, 2013, there are 211,929,174 treasury stocks, in the amount of R\$7,840 as follows:

| | Common | Shares Preferred | Total |
|--|--------------------|---------------------|--------------------|
| Balance as of January 1, 2011 | 99,649,571 | 47,375,394 | 147,024,965 |
| Addition | 81,451,900 | 39,536,080 | 120,987,980 |
| Reduction | (1,657) | (267) | (1,924) |
| Balance as of December 31, 2011 | 181,099,814 | 86,911,207 | 268,011,021 |
| Reduction | (40,242,122) | (15,839,725) | (56,081,847) |
| Balance as of December 31, 2012 | 140,857,692 | 71,071,482 | 211,929,174 |
| Balance as of December 31, 2013 | 140,857,692 | 71,071,482 | 211,929,174 |

| | | |
|------|-------|-------|
| Low | 20.07 | 14.02 |
| High | 54.83 | 47.77 |

e) Basic and diluted earnings per share

The basic and diluted earnings per shares were calculated as follows:

| | 2013 | Year ended as at December 31, 2012 | 2011 |
|---|------------|---------------------------------------|---------------|
| Net income from continuing operations attributable to the Company's stockholders | 119 | 10,025 | 37,965 |
| Basic and diluted earnings per share: | | | |

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| | | | |
|--|------------|---------------|---------------|
| Income available to preferred stockholders | 45 | 3,796 | 14,698 |
| Income available to common stockholders | 74 | 6,229 | 23,267 |
| Total | 119 | 10,025 | 37,965 |

| | | | |
|--|------------------|------------------|------------------|
| Weighted average number of shares outstanding (thousands of shares) - preferred shares | 1,967,722 | 1,933,491 | 2,031,315 |
| Weighted average number of shares outstanding (thousands of shares) - common shares | 3,185,653 | 3,172,179 | 3,215,479 |
| Total | 5,153,375 | 5,105,670 | 5,246,794 |

Basic and diluted earnings per share from continuing operations

| | | | |
|------------------------------------|------|------|------|
| Basic earnings per preferred share | 0.02 | 1.96 | 7.24 |
| Basic earnings per common share | 0.02 | 1.96 | 7.24 |

| | Year ended as at December 31, | | |
|--|-------------------------------|--------------|--------------|
| | 2013 | 2012 | 2011 |
| Loss from discontinuing operations attributable to the Company's stockholders | (4) | (133) | (139) |

Basic and diluted earnings per share:

| | | | |
|--|------------|--------------|--------------|
| Loss available to preferred stockholders | (2) | (50) | (54) |
| Loss available to common stockholders | (2) | (83) | (85) |
| Total | (4) | (133) | (139) |

| | | | |
|--|------------------|------------------|------------------|
| Weighted average number of shares outstanding (thousands of shares) - preferred shares | 1,967,722 | 1,933,491 | 2,031,315 |
| Weighted average number of shares outstanding (thousands of shares) - common shares | 3,185,653 | 3,172,179 | 3,215,479 |
| Total | 5,153,375 | 5,105,670 | 5,246,794 |

Basic and diluted earnings per share from discontinuing operations

| | | | |
|------------------------------------|--|--------|--------|
| Basic earnings per preferred share | | (0.02) | (0.03) |
| Basic earnings per common share | | (0.02) | (0.03) |

| | | | |
|--|------------|--------------|---------------|
| Net income attributable to the Company's stockholders | 115 | 9,892 | 37,826 |
|--|------------|--------------|---------------|

Basic and diluted earnings per share:

| | | | |
|--|------------|--------------|---------------|
| Income available to preferred stockholders | 43 | 3,746 | 14,644 |
| Income available to common stockholders | 72 | 6,146 | 23,182 |
| Total | 115 | 9,892 | 37,826 |

| | | | |
|--|------------------|------------------|------------------|
| Weighted average number of shares outstanding (thousands of shares) - preferred shares | 1,967,722 | 1,933,491 | 2,031,315 |
| Weighted average number of shares outstanding (thousands of shares) - common shares | 3,185,653 | 3,172,179 | 3,215,479 |
| Total | 5,153,375 | 5,105,670 | 5,246,794 |

Basic and diluted earnings per share

| | | | |
|------------------------------------|------|------|------|
| Basic earnings per preferred share | 0.02 | 1.94 | 7.21 |
| Basic earnings per common share | 0.02 | 1.94 | 7.21 |

(i) Recast according to Note 6.

Table of Contentsf) **Remuneration of stockholders**

Vale's by-laws determine the minimum remuneration to stockholders of 25% of net income, after adjustments from Brazil's legal requirements. The minimum remuneration includes the rights of stockholders Class A of preferred shares which provides priority to receive of 3% of the equity or 6% on the portion of capital formed by these classes of shares, whichever higher.

The proposal distribution of net income and stockholders' remuneration were calculated as follows:

| | 2013 |
|---|--------------------|
| Net income | 115 |
| Legal reserve | (7) |
| Tax incentive reserve | (24) |
| Adjusted net income | 84 |
| Realization of reserve | 9,227 |
| Adjustments of pension plan (Note 6) | 16 |
| | 9,319 |
| Remuneration: | |
| Mandatory minimum (includes the rights of the preferred shares) | 1,859 |
| Additional remuneration | 7,460 |
| | 9,319 |
| Remuneration nature: | |
| Interest on capital | 7,906 |
| Dividends | 1,413 |
| | 9,319 |
| Total remuneration per share | 1.808382882 |

The amounts paid to stockholders, by nature of remuneration, are as follows:

| | Remuneration attributed to Stockholders | | | Amount per outstanding common or preferred share |
|--------------------------------------|---|------------------------|-------|---|
| | Dividends | Interest on capital | Total | |
| Amount paid in 2011 | | | | |
| Extraordinary remuneration - January | | 1,670 | 1,670 | 0.320048038 |
| First installment - April | | 3,174 | 3,174 | 0.608246495 |
| Additional remuneration - August | 4,855 | | 4,855 | 0.933403176 |

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| | | | | |
|-----------------------------------|--------------|--------------|---------------|-------------|
| Second installment - October | 247 | 3,260 | 3,507 | 0.682370673 |
| Additional remuneration - October | 1,754 | | 1,754 | 0.341893330 |
| | 6,856 | 8,104 | 14,960 | |
| Amount paid in 2012 | | | | |
| First installment - April | | 5,481 | 5,481 | 1.075276545 |
| Second installment - October | 3,405 | 2,710 | 6,115 | 1.186523412 |
| | 3,405 | 8,191 | 11,596 | |
| Amount paid in 2013 | | | | |
| First installment - April | 792 | 3,661 | 4,453 | 0.864045420 |
| Second installment - October | 621 | 4,245 | 4,866 | 0.944337462 |
| | 1,413 | 7,906 | 9,319 | |

Table of Contents**27. Information by Business Segment and Consolidated Revenues by Geographic Area**

The information presented to the Executive Board on the performance of each segment is derived from the accounting records adjusted for reallocations between segments.

a) Results by segment

| | Consolidated December 31, 2013 | | | | | Discontinued operations (General Cargo) | |
|---|---|-------------------------|--------------------|---------------|--|--|---------------|
| | Bulk Materials | Basic Metals | Fertilizers | Others | Total of continued operations | | Total |
| Results | | | | | | | |
| Net revenue | 77,856 | 15,746 | 6,038 | 1,850 | 101,490 | 2,762 | 104,252 |
| Cost and expenses | (33,557) | (12,256) | (6,190) | (2,296) | (54,299) | (2,511) | (56,810) |
| Impairment of assets | (427) | | (4,963) | | (5,390) | | (5,390) |
| Gain (loss) on measurement or sale of non-currents assets | | (508) | | | (508) | (484) | (992) |
| Depreciation, depletion and amortization | (4,160) | (3,792) | (928) | (73) | (8,953) | (339) | (9,292) |
| Operating income | 39,712 | (810) | (6,043) | (519) | 32,340 | (572) | 31,768 |
| Financial results | (18,821) | (177) | (195) | 751 | (18,442) | (6) | (18,448) |
| Realized gain on assets available for sale | | | 65 | 33 | 98 | | 98 |
| Equity results from joint venture and associates | 1,413 | (53) | | (361) | 999 | | 999 |
| Income tax and social contribution | (15,409) | 144 | 115 | (99) | (15,249) | 574 | (14,675) |
| Net income of the period | 6,895 | (896) | (6,058) | (195) | (254) | (4) | (258) |
| Net loss attributable to noncontrolling interests | (165) | (115) | 30 | (123) | (373) | | (373) |
| Income attributable to the company's stockholders | 7,060 | (781) | (6,088) | (72) | 119 | (4) | 115 |
| Sales classified by geographic area: | | | | | | | |
| America, except United States | 1,576 | 2,247 | 132 | 21 | 3,976 | | 3,976 |
| United States of America | 68 | 2,297 | | 458 | 2,823 | | 2,823 |
| Europe | 12,957 | 5,734 | 255 | | 18,946 | | 18,946 |

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| | | | | | | | |
|------------------------------|---------------|---------------|--------------|--------------|----------------|--------------|----------------|
| Middle East/Africa/Oceania | 4,299 | 204 | 36 | | 4,539 | | 4,539 |
| Japan | 7,508 | 1,340 | | | 8,848 | | 8,848 |
| China | 39,425 | 1,839 | | | 41,264 | | 41,264 |
| Asia, except Japan and China | 5,747 | 1,914 | 137 | 1 | 7,799 | | 7,799 |
| Brazil | 6,276 | 171 | 5,478 | 1,370 | 13,295 | 2,762 | 16,057 |
| Net revenue | 77,856 | 15,746 | 6,038 | 1,850 | 101,490 | 2,762 | 104,252 |

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| | Consolidated December 31, 2012 (i) | | | | | Discontinued operations (General Cargo) | Total |
|--|---------------------------------------|-----------------|--------------|----------------|-------------------------------------|--|---------------|
| | Bulk Materials | Basic Metals | Fertilizers | Others | Total of continued operations | | |
| Results | | | | | | | |
| Net revenue | 69,369 | 13,933 | 7,008 | 959 | 91,269 | 2,242 | 93,511 |
| Cost and expenses | (35,477) | (12,718) | (5,760) | (2,009) | (55,964) | (2,078) | (58,042) |
| Impairment of assets | (2,139) | (5,769) | | (303) | (8,211) | | (8,211) |
| Gain (loss) on measurement or sale on non-current assets | (768) | | (268) | | (1,036) | | (1,036) |
| Depreciation, depletion and amortization | (3,821) | (3,316) | (911) | (81) | (8,129) | (268) | (8,397) |
| Operating income | 27,164 | (7,870) | 69 | (1,434) | 17,929 | (104) | 17,825 |
| Financial results | (8,582) | 413 | (95) | 25 | (8,239) | (1) | (8,240) |
| Equity results from joint venture and associates | 1,720 | (10) | | (469) | 1,241 | | 1,241 |
| Income tax and social contribution | (519) | 85 | 2,481 | 548 | 2,595 | (28) | 2,567 |
| Impairment on investments | | (2,026) | | (1,976) | (4,002) | | (4,002) |
| Net income of the period | 19,783 | (9,408) | 2,455 | (3,306) | 9,524 | (133) | 9,391 |
| Net loss attributable to noncontrolling interests | (132) | (399) | 109 | (79) | (501) | | (501) |
| Income attributable to the company's stockholders | 19,915 | (9,009) | 2,346 | (3,227) | 10,025 | (133) | 9,892 |
| Sales classified by geographic area: | | | | | | | |
| America, except United States | 1,461 | 1,939 | 120 | 29 | 3,549 | | 3,549 |
| United States of America | 202 | 2,209 | 101 | 81 | 2,593 | | 2,593 |
| Europe | 11,537 | 4,316 | 285 | 43 | 16,181 | | 16,181 |
| Middle East/Africa/Oceania | 3,046 | 180 | 14 | | 3,240 | | 3,240 |
| Japan | 8,180 | 1,416 | | 13 | 9,609 | | 9,609 |
| China | 33,328 | 1,759 | | | 35,087 | | 35,087 |
| Asia, except Japan and China | 5,763 | 1,965 | 182 | 4 | 7,914 | | 7,914 |
| Brazil | 5,852 | 149 | 6,306 | 789 | 13,096 | 2,242 | 15,338 |
| Net revenue | 69,369 | 13,933 | 7,008 | 959 | 91,269 | 2,242 | 93,511 |

(i) Recast according to Note 6.

| | Consolidated December 31, 2011 (i) | | Total |
|--|---------------------------------------|--------|-------|
| | Fertilizers | Others | |

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| | Bulk Materials | Basic Metals | | | Total of continued operations | Discontinued operations (General Cargo) | |
|--|-------------------|-----------------|--------------|----------------|-------------------------------------|--|----------------|
| Results | | | | | | | |
| Net revenue | 78,130 | 15,438 | 5,551 | 1,437 | 100,556 | 1,463 | 102,019 |
| Cost and expenses | (27,865) | (10,852) | (4,416) | (2,938) | (46,071) | (1,416) | (47,487) |
| Gain (loss) on measurement or sale on non-current assets | | 2,492 | | | 2,492 | | 2,492 |
| Depreciation, depletion and amortization | (3,017) | (2,640) | (769) | (27) | (6,453) | (185) | (6,638) |
| Operating income | 47,248 | 4,438 | 366 | (1,528) | 50,524 | (138) | 50,386 |
| Financial results | (6,183) | 63 | (99) | (99) | (6,318) | 19 | (6,299) |
| Equity results from joint venture and associates | 2,013 | (9) | | (147) | 1,857 | | 1,857 |
| Income tax and social contribution | (6,693) | (1,635) | (176) | | (8,504) | (20) | (8,524) |
| Net income of the period | 36,385 | 2,857 | 91 | (1,774) | 37,559 | (139) | 37,420 |
| Net loss attributable to noncontrolling interests | (181) | (152) | 49 | (122) | (406) | | (406) |
| Income attributable to the company's stockholders | 36,566 | 3,009 | 42 | (1,652) | 37,965 | (139) | 37,826 |
| Sales classified by geographic area: | | | | | | | |
| America, except United States | 1,973 | 2,146 | 72 | 213 | 4,404 | | 4,404 |
| United States of America | 169 | 2,584 | 1 | 44 | 2,798 | | 2,798 |
| Europe | 14,657 | 3,889 | 255 | 341 | 19,142 | | 19,142 |
| Middle East/Africa/Oceania | 2,969 | 251 | 1 | 2 | 3,223 | | 3,223 |
| Japan | 10,069 | 1,936 | | 159 | 12,164 | | 12,164 |
| China | 33,666 | 2,066 | | 164 | 35,896 | | 35,896 |
| Asia, except Japan and China | 6,132 | 2,309 | 63 | | 8,504 | | 8,504 |
| Brazil | 8,495 | 257 | 5,159 | 514 | 14,425 | 1,463 | 15,888 |
| Net revenue | 78,130 | 15,438 | 5,551 | 1,437 | 100,556 | 1,463 | 102,019 |

(i) Recast according to Note 6.

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| | Year ended as at December 31, 2013 | | | | | | | | | | | |
|--|------------------------------------|-----------------|----------------|--------------------------|-------------------------------------|------------------|--|--|----------------------|------------------|--|---|
| | Net revenues | Cost | Expenses | Research and Development | Pre Operating and stopped operation | Operating income | Depreciation, depletion and amortization | Gain (loss) on measurement or sale of non-current assets | Impairment on assets | Operating profit | Property, plant and equipment and intangible | Additions to property, plant and equipment and intangible |
| Bulk Material | | | | | | | | | | | | |
| Iron ore | 61,271 | (19,918) | (2,714) | (690) | (524) | 37,425 | (3,063) | | | 34,362 | 84,578 | |
| Pellets | 12,972 | (4,994) | (249) | (24) | (280) | 7,425 | (399) | | (427) | 6,599 | 3,984 | |
| Ferroalloys and manganese | 1,140 | (677) | (69) | (1) | (31) | 362 | (64) | | | 298 | 640 | |
| Coal | 2,188 | (2,485) | (536) | (102) | (105) | (1,040) | (373) | | | (1,413) | 10,089 | |
| Others Ferrous products and services | 285 | (169) | 11 | | | 127 | (261) | | | (134) | 1,260 | |
| | 77,856 | (28,243) | (3,557) | (817) | (940) | 44,299 | (4,160) | | (427) | 39,712 | 100,551 | |
| Nickel and other products (a) | 12,566 | (7,906) | (263) | (373) | (1,633) | 2,391 | (3,416) | | | (1,025) | 69,666 | |
| Copper (b) | 3,180 | (2,182) | (266) | (95) | (22) | 615 | (376) | (508) | | (269) | 8,697 | |
| Others base metals products | | | 484 | | | 484 | | | | 484 | | |
| | 15,746 | (10,088) | (45) | (468) | (1,655) | 3,490 | (3,792) | (508) | | (810) | 78,363 | |
| Fertilizers | | | | | | | | | | | | |
| Potash | 434 | (274) | (80) | (38) | (868) | (826) | (94) | | (4,963) | (5,883) | 413 | |
| Phosphates | 4,443 | (3,621) | (309) | (67) | (56) | 390 | (676) | | | (286) | 17,198 | |
| Nitrogen | 990 | (804) | (46) | (12) | (11) | 117 | (158) | | | (41) | | |
| Others fertilizers products | 171 | | | (4) | | 167 | | | | 167 | | |
| | 6,038 | (4,699) | (435) | (121) | (935) | (152) | (928) | | (4,963) | (6,043) | 17,611 | |
| Others | 1,850 | (1,450) | (508) | (338) | | (446) | (73) | | | (519) | 8,473 | |
| Total of continued operations | 101,490 | (44,480) | (4,545) | (1,744) | (3,530) | 47,191 | (8,953) | (508) | (5,390) | 32,340 | 204,998 | |
| Discontinued operations (General Cargo) | 2,762 | (2,324) | (157) | (30) | | 251 | (339) | (484) | | (572) | 2,406 | |
| Total | 104,252 | (46,804) | (4,702) | (1,774) | (3,530) | 47,442 | (9,292) | (992) | (5,390) | 31,768 | 207,404 | |

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- (a) Includes nickel co-products and by-products (copper, precious metal, cobalt and others).
- (b) Includes copper concentrate and does not include the cooper by-product of nickel.

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| | Year ended as at December 31, 2012 (i) | | | | | | | | | | | |
|--|--|-----------------|----------------|--------------------------|-------------------------------------|------------------|--|--|----------------------|------------------|--|--------------------------------|
| | Net revenues | Cost | Expenses | Research and Development | Pre Operating and stopped operation | Operating income | Depreciation, depletion and amortization | Gain (loss) on measurement or sale of non-current assets | Impairment on assets | Operating profit | Property, plant and equipment and intangible | Addit prop plan equip an intan |
| Bulk Material | | | | | | | | | | | | |
| Iron ore | 52,959 | (19,462) | (4,685) | (1,219) | (388) | 27,205 | (2,715) | | | 24,490 | 76,606 | 1 |
| Pellets | 12,778 | (5,232) | | | (246) | 7,300 | (438) | | | 6,862 | 4,125 | |
| Ferroalloys and manganese | 1,055 | (675) | | | | 380 | (83) | (46) | | 251 | 618 | |
| Coal | 2,109 | (2,033) | (696) | (229) | (55) | (904) | (387) | (722) | (2,139) | (4,152) | 7,389 | |
| Others Ferrous products and services | 468 | (448) | (109) | | | (89) | (198) | | | (287) | 1,231 | |
| | 69,369 | (27,850) | (5,490) | (1,448) | (689) | 33,892 | (3,821) | (768) | (2,139) | 27,164 | 89,969 | 1 |
| Base Metals | | | | | | | | | | | | |
| Nickel and other products (a) | 11,656 | (7,485) | (849) | (587) | (1,562) | 1,173 | (3,052) | | (5,769) | (7,648) | 62,273 | |
| Copper (b) | 2,277 | (1,680) | (164) | (187) | (204) | 42 | (264) | | | (222) | 9,270 | |
| | 13,933 | (9,165) | (1,013) | (774) | (1,766) | 1,215 | (3,316) | | (5,769) | (7,870) | 71,543 | |
| Fertilizers | | | | | | | | | | | | |
| Potash | 569 | (311) | (22) | (145) | | 91 | (45) | | | 46 | 4,514 | |
| Phosphates | 4,926 | (3,517) | (293) | (72) | (184) | 860 | (654) | | | 206 | 16,776 | |
| Nitrogen | 1,366 | (1,123) | (93) | | | 150 | (212) | (268) | | (330) | | |
| Others fertilizers products | 147 | | | | | 147 | | | | 147 | 676 | |
| | 7,008 | (4,951) | (408) | (217) | (184) | 1,248 | (911) | (268) | | 69 | 21,966 | |
| Others | 959 | (721) | (840) | (448) | | (1,050) | (81) | | (303) | (1,434) | 3,956 | |
| Total of continued operations | 91,269 | (42,687) | (7,751) | (2,887) | (2,639) | 35,305 | (8,129) | (1,036) | (8,211) | 17,929 | 187,434 | 3 |
| Discontinued operations (General Cargo) | | | | | | | | | | | | |
| | 2,242 | (1,830) | (223) | (25) | | 164 | (268) | | | (104) | 4,843 | |
| Total | 93,511 | (44,517) | (7,974) | (2,912) | (2,639) | 35,469 | (8,397) | (1,036) | (8,211) | 17,825 | 192,277 | 3 |

(a) Includes nickel co-products and by-products (copper, precious metal, cobalt and others).

(b) Includes copper concentrate and does not include the cooper by-product of nickel.

(i) Recast according to Note 6.

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Year ended as at December 31, 2011 (i)

| | Net revenues | Cost | Expenses | Research and Development | Pre Operating and stopped operation | Operating income | Depreciation, depletion and amortization | Gain (loss) on measurement or sale of non-current assets | Operating profit | Property, plant and equipment and intangible | Additions to property, plant and equipment and intangible | In |
|--|----------------|-----------------|----------------|--------------------------|-------------------------------------|------------------|--|--|------------------|--|---|----|
| Bulk Material | | | | | | | | | | | | |
| Iron ore | 61,035 | (14,152) | (3,091) | (1,040) | | 42,752 | (2,079) | | 40,673 | 62,404 | 12,818 | |
| Pellets | 13,270 | (5,532) | | | (185) | 7,553 | (338) | | 7,215 | 5,308 | 1,021 | |
| Ferroalloys and manganese | 1,126 | (820) | (166) | | | 140 | (114) | | 26 | 631 | 290 | |
| Coal | 1,795 | (1,365) | (549) | (252) | (176) | (547) | (283) | | (830) | 7,624 | 1,868 | |
| Others | | | | | | | | | | | | |
| Ferrous products and services | 904 | (636) | 99 | | | 367 | (203) | | 164 | 1,768 | 568 | |
| | 78,130 | (22,505) | (3,707) | (1,292) | (361) | 50,265 | (3,017) | | 47,248 | 77,735 | 16,565 | |
| Base Metals | | | | | | | | | | | | |
| Nickel and other products (a) | 13,596 | (6,819) | (760) | (428) | (1,395) | 4,194 | (2,457) | 2,492 | 4,229 | 58,782 | 4,316 | |
| Copper (b) | 1,842 | (1,093) | (66) | (270) | (21) | 392 | (183) | | 209 | | 2,007 | |
| | 15,438 | (7,912) | (826) | (698) | (1,416) | 4,586 | (2,640) | 2,492 | 4,438 | 58,782 | 6,323 | |
| Fertilizers | | | | | | | | | | | | |
| Potash | 457 | (257) | (135) | (91) | (45) | (71) | (74) | | (145) | 4,082 | 871 | |
| Phosphates | 3,898 | (2,639) | (61) | (89) | (125) | 984 | (523) | | 461 | 12,281 | 330 | |
| Nitrogen | 1,136 | (860) | (114) | | | 162 | (172) | | (10) | 1,711 | 294 | |
| Others | | | | | | | | | | | | |
| fertilizers products | 60 | | | | | 60 | | | 60 | 695 | | |
| | 5,551 | (3,756) | (310) | (180) | (170) | 1,135 | (769) | | 366 | 18,769 | 1,495 | |
| Others | 1,437 | (1,069) | (1,222) | (647) | | (1,501) | (27) | | (1,528) | 12,156 | 1,579 | |
| Total of continued operations | 100,556 | (35,242) | (6,065) | (2,817) | (1,947) | 54,485 | (6,453) | 2,492 | 50,524 | 167,442 | 25,962 | |
| Discontinued operations (General Cargo) | 1,463 | (1,264) | (147) | (5) | | 47 | (185) | | (138) | 4,202 | 349 | |
| Total | 102,019 | (36,506) | (6,212) | (2,822) | (1,947) | 54,532 | (6,638) | 2,492 | 50,386 | 171,644 | 26,311 | |

(a) Includes nickel co-products and by-products (copper, precious metal, cobalt and others).

(b) Includes copper concentrate and does not include the cooper by-product of nickel.

(i) Recast according to Note 6.

Table of Contents**28. Cost of Goods Sold and Services Rendered, and Sales and Administrative Expenses by Nature, Other Operational Expenses (Income), net****a) The costs of goods sold and services rendered**

| | Consolidated | | | Parent Company | |
|----------------------------|-------------------------------|---------------|---------------|----------------|---------------|
| | Year ended as at December 31, | | | | |
| | 2013 | 2012 (i) | 2011 (i) | 2013 | 2012 (i) |
| Personnel | 7,060 | 6,679 | 5,066 | 3,145 | 3,270 |
| Material | 8,894 | 8,264 | 6,206 | 3,548 | 3,730 |
| Fuel oil and gas | 3,889 | 3,806 | 3,453 | 2,369 | 2,382 |
| Outsourcing services | 8,251 | 9,079 | 6,961 | 5,046 | 5,954 |
| Energy | 1,430 | 1,684 | 1,536 | 762 | 1,207 |
| Acquisition of products | 3,051 | 2,718 | 3,887 | 882 | 1,384 |
| Depreciation and depletion | 8,031 | 7,154 | 5,803 | 2,487 | 2,129 |
| Freight | 6,979 | 5,660 | 3,275 | | |
| Others | 4,926 | 4,788 | 4,846 | 4,278 | 4,189 |
| Total | 52,511 | 49,832 | 41,033 | 22,517 | 24,245 |

(i) Recast according to Note 6.

b) Selling and administrative expenses

| | Consolidated | | | Parent Company | |
|--|-------------------------------|--------------|--------------|----------------|--------------|
| | Year ended as at December 31, | | | | |
| | 2013 | 2012 | 2011 | 2013 | 2012 |
| Personnel | 1,062 | 1,531 | 1,191 | 692 | 966 |
| Services (consulting, infrastructure and others) | 722 | 940 | 905 | 535 | 509 |
| Advertising and publicity | 97 | 201 | 130 | 65 | 154 |
| Depreciation and amortization | 413 | 458 | 345 | 285 | 350 |
| Travel expenses | 40 | 123 | 105 | 19 | 65 |
| Taxes and rents | 54 | 52 | 83 | 20 | 32 |
| Sales | 179 | 535 | 398 | 4 | 210 |
| Others | 237 | 409 | 737 | 58 | 53 |
| Total | 2,804 | 4,249 | 3,894 | 1,678 | 2,339 |

c) Others operational expenses (incomes), net

| | Consolidated | | | Parent Company | |
|---|-------------------------------|--------------|--------------|----------------|--------------|
| | Year ended as at December 31, | | | 2013 | 2012 |
| | 2013 | 2012 | 2011 | | |
| Provision for litigation | (225) | 1,492 | 298 | (299) | 1,257 |
| Provision for loss with VAT credits (ICMS) | 267 | 471 | 73 | 252 | 468 |
| VAT - settlement program | 389 | | | 389 | |
| Provision for profit sharing | 471 | 830 | 665 | 396 | 575 |
| Vale do Rio Doce Foundation (FVRD) | 57 | 73 | 204 | 57 | 73 |
| Provision for disposal of materials/inventories | 348 | 253 | 258 | 111 | 221 |
| Loss with prepayment to contractors | 116 | | | 56 | |
| Other | 734 | 862 | 1,029 | 477 | (446) |
| Total | 2,157 | 3,981 | 2,527 | 1,439 | 2,148 |

Table of Contents**29. Financial result**

The financial results, by nature, are as follows:

| | Consolidated | | | Parent Company | |
|--|-----------------|-----------------|-----------------|-----------------|----------------|
| | 2013 | 2012 (i) | 2011 (i) | 2013 | 2012 (i) |
| Financial expenses | | | | | |
| Interest | (2,879) | (2,435) | (2,329) | (2,967) | (2,436) |
| Labor, tax and civil contingencies | (242) | (150) | (69) | (160) | (133) |
| Derivatives | (3,031) | (1,272) | (1,702) | (2,280) | (1,009) |
| Indexation and exchange rate variation (a) | (10,056) | (4,840) | (4,961) | (9,556) | (4,712) |
| Stockholders debentures | (800) | (907) | (380) | (800) | (907) |
| Net expenses of REFIS | (6,039) | | | (5,912) | |
| Others | (1,190) | (1,240) | (1,338) | (504) | (696) |
| | (24,237) | (10,844) | (10,779) | (22,179) | (9,893) |
| Financial income | | | | | |
| Related parties | | | 3 | | |
| Short-term investments | 224 | 244 | 987 | 170 | 182 |
| Derivatives | 810 | 992 | 1,722 | 294 | 274 |
| Indexation and exchange rate variation (b) | 3,572 | 859 | 1,547 | 3,238 | 767 |
| Others | 1,189 | 510 | 202 | 279 | 343 |
| | 5,795 | 2,605 | 4,461 | 3,981 | 1,566 |
| Financial results, net | (18,442) | (8,239) | (6,318) | (18,198) | (8,327) |
| Summary of indexation and exchange rate | | | | | |
| Cash and cash equivalents | | 58 | (2) | | |
| Loans and financing | (7,314) | (3,291) | (985) | (2,707) | (1,104) |
| Related parties | 23 | 23 | | (3,516) | (2,508) |
| Others | 807 | (771) | (2,427) | (95) | (333) |
| Net (a + b) | (6,484) | (3,981) | (3,414) | (6,318) | (3,945) |

(i) Recast according to Note 6.

30. Gold stream transaction

Fair value by year

In February 2013, the Company entered into a gold stream transaction with Silver Wheaton Corp. (SLW) to sell 25% of the gold extracted during the life of the mine as a byproduct of the Salobo copper mine and 70% of the gold extracted during the next 20 years as a byproduct of the Sudbury nickel mines.

This date, we received up-front cash proceeds of US\$1.9 billion (approximate R\$3.8 billion) in march 2013, plus ten million warrants of SLW with exercise price of US\$65 million exercisable in the next ten years, which fair value is US\$ 100 (approximate R\$199). The amount of US\$1,330 (approximate R\$2.64) was received for the Salobo transaction and US\$570 (approximate R\$1,133) plus the ten million warrants of SLW were received for the Sudbury transaction.

In addition, as the gold is delivered to SLW, Vale will receive a payment equal to the lesser of: (i) US\$400 per ounce of refined gold delivered, subject to an annual increase of 1% per year commencing on January 1, 2016 and each January 1 thereafter; and (ii) the reference market price on the date of delivery.

This transaction was bifurcated into two identifiable components of the transaction being: (i) the sale of the mineral rights for US\$ 337 and, (ii) the services for gold extraction on the portion in which Vale operates as an agent for SLW gold extraction.

The result of the sale of the mineral rights, was estimated in the amount of US\$244 (approximate R\$492) and was recognized in the income statement under Other operating expenses, net, while the portion related to the provision of future services for gold extraction, was estimated at US\$1,393 (approximate R\$2,812) and is recorded as deferred revenue (liability) and will be recognized in the statement of income as the service is rendered and the gold extracted. During 2013, the Company recognized R\$71 in Statement of Income related to rendered services.

The deferred revenue will be recognized in the future based on the units of gold extracted compared to the total reserve of proven and probable gold reserves negotiated with SLW.

Defining the gain on sale of mineral interest and the deferred revenue portion of the transaction requires the use of critical accounting estimates as follow:

- Discount rates used to measure the present value of future inflows and outflows;

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- Allocation of costs between the core products (copper and nickel) and gold based on relative prices;
- Expected margin for the independent elements (sale of mineral rights and service for gold extraction) based on our best estimative.

Changes in the assumptions above could significantly change the initial gain recognition.

31. Commitments

a) Nickel project New Caledonia

In regards to the construction and installation of our nickel plant in New Caledonia, we have provided guarantees in respect of our financing arrangements which are outlined below. Pursuant to the Girardin Act tax - advantaged lease financing arrangement sponsored by the French government, we provided guarantees to BNP Paribas for the benefit of the tax investors regarding certain payments due from Vale Nouvelle-Calédonie S.A.S. (VNC), associated with Girardin Act lease financing. Consistent with our commitments, the assets were substantially complete as at December 31, 2012. We also committed that assets associated the Girardin Act lease financing would operate for a five year period from then on and meet specified production criteria which remain consistent with our current plans. We believe the likelihood of the guarantee being called upon is remote.

In October 2012, we entered into an agreement with Sumic, a stockholder in VNC, whereby Sumic agreed to a dilution in their interest in VNC from 21% to 14.5%. Sumic originally had a put option to sell to us the shares they own in VNC if the defined cost of the initial nickel project, as measured by funding provided to VNC, in natural currencies and converted to U.S. dollars at specified rates of exchange, exceeded R\$10.8 billion and an agreement could not be reached on how to proceed with the project. On May 27, 2010 the threshold was reached and the put option discussion and decision period was extended. As a result of the October 2012 agreement, the trigger on the put option has been changed from a cost threshold to a production threshold. The put option has been deferred to the first quarter of 2015 which is the earliest that it can be exercised.

b) Nickel Plant Indonesia

During 2012, our subsidiary PT Vale Indonesia Tbk (PTVI), a public company in Indonesia, submitted its strategic growth plan to the local government as part of the process for the renewing its license for the Contract of Work (CoW). During the process, the government identified the following points for renegotiation: (i) size of the CoW area; (ii) term and form of CoW extension; (iii) financial obligations (royalties and

taxes); (iv) domestic processing and refining; (v) mandatory divestment; and (vi) priority use of domestic goods and services. As part of the ongoing CoW renegotiation, PTVI submitted an updated growth strategy to high level government officials in June 2013. The CoW renegotiation progressed throughout 2013 and is on-going. Until the renegotiation process is complete, PTVI is unable to fully determine to what extent the CoW will be affected. The operations of PTVI and the implementation of the growth strategy are partially dependent on the result of the renegotiation of the CoW.

c) Nickel Plant Canada

On March 28, 2013, Vale Canada, Vale Newfoundland & Labrador Limited (VNLL) and the Province of Newfoundland and Labrador (Province) entered into a Fifth Amendment to the Voisey s Bay Development Agreement, which governs all of our development and operations in the Province. Under the amendment, the Company has obtained additional time to complete the construction of the Long Harbour Processing Plant and reaffirmed its commitment to construct an underground mine at Voisey s Bay, subject to certain terms and conditions. To maintain operational continuity at the Voisey s Bay mine pending the completion of the construction and ramp-up of the Long Harbour Processing Plant, the Province has agreed to exempt an additional 84,000 tonnes of nickel-in-concentrate from the requirement to complete primary processing in the province, over and above the previous 440,000 limit. These exports may take place between 2013 and 2015. Additionally, during this period, if Vale Canada imports up to 15,000 tonnes of nickel-in-matte for early stage processing at the Long Harbour Processing Plant, then Vale Canada may be permitted a further exemption from the primary processing requirements, on a tonne-for-tonne basis. Vale has agreed to make certain payments to the Government in relation to the additional exemption utilized each year. In April 2013, VNLL surpassed the 440,000 tonnes export limit and consequently, as at December 31, 2013 VNLL has accrued R\$77 for payments to be paid related to the additional export exemption. In addition, Vale will build up a litigation liability, secured by letters of credit and other security, based on the additional exemption utilized in each year, which may become due and payable in the event that certain commitments in relation to the construction of the underground mine are delayed or not met. In this regard, letters of credit in the amount of R\$223 have been issued as at December 31, 2013.

In the course of our operations we have provided other letters of credit and guarantees in the amount of R\$2.1 billion that are associated with items such as environment reclamation, asset retirement obligation commitments, insurance, electricity commitments, post-retirement benefits, community service commitments and import and export duties.

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d) Guinea Iron projects

Our 51%-owned subsidiary VBG-Vale BSGR Limited (VBG) holds iron ore concession rights in Simandou South (Zogota) and iron ore exploration permits in Simandou North (Blocks 1 & 2) in Guinea. These concessions are under review by a technical committee established pursuant to Guinean legislation, which is evaluating whether to recommend that the Government of Guinea take action to revoke VBG's concessions. At December 31, 2013, the book value of the Company's investment in VBG, which is in its pre-operating phase, was R\$2.6 billion. Revocation of the concession could adversely affect the value of the Company's investment, subject to any legal challenge or other recourse on the part of VBG or Vale.

e) Participative stockholders debentures

At the time of its privatization in 1997, Vale issued debentures to then-existing stockholders, including the Brazilian Government. The debentures' terms were set to ensure that our pre-privatization stockholders would participate in potential future benefits that might be obtained from exploiting our mineral resources.

A total of 388,559,056 debentures were issued with a par value of R\$0.01 (one cent of Brazilian Real), whose value will be inflation-indexed the General Market Price Index (IGP-M), as set out in the Issue Deed. As at December 31, 2013, December 31, 2012 and January 1 2012 the total amount of these debentures was R\$4,159, R\$3,379 and R\$2,496, respectively.

The debenture holders have the right to receive premiums, paid semiannually, equivalent to a percentage of net revenues from specific mine resources as set forth in the indenture. In April and October of 2013 we paid semester remuneration in the amount of R\$13 and R\$9, respectively.

f) Operating lease

- **Pelletize Operations**

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Vale has operating lease agreements with its joint ventures Nibrasco, Itabasco, and Kobrasco, in which Vale leases its pelletizing plants. These renewable operating lease agreements have duration between 3 and 10 years.

In July 2012 the Company entered into an operating lease agreement with its joint venture Hispanobrás. The contract has duration of 3 years, renewable.

The table below shows the minimum future annual payments, and required non-cancelable operating lease for the four pellet plants (Hispanobrás, Nibrasco, and Itabasco Kobrasco), as at December 31, 2013.

| | |
|--|------------|
| 2014 | 159 |
| 2015 | 156 |
| 2016 | 152 |
| 2017 | 80 |
| 2018 thereafter | 56 |
| Total minimum payments required | 603 |

The total amount of operational leasing expenses on pelletizing operations on 31 December 2013, 2012 and 2011 were R\$358, R\$402 and R\$666, respectively.

g) Concession and Sub-concession Agreements

i. Rail companies

The Company entered into not onerous concession agreements with the Brazilian Federal Government through the Ministry of Transport, for the exploration and development of the public rail transportation of cargo. The accounting records of grants and sub-concessions are presented in Note 14.

| Railroad | End of the concession period |
|---------------------------|-------------------------------------|
| Vitória a Minas e Carajás | June 2027 |

The grant will be terminated with the completion of one of the following events: the termination of the contract term, expropriation, forfeiture, cancellation, annulment or dissolution and bankruptcy of the concessionaire.

Table of Contents**ii. Port**

The Company has the following specialized port terminals:

| Terminals | Location | End of the concession period |
|--|------------------|-------------------------------------|
| Port of Tubarão and bulk liquids | Vitória - ES | 2020 |
| Port of Vila Velha | Vila Velha - ES | 2023 |
| Ponta da Madeira Terminal - Pier I e III | S. Luiz - MA | 2018 |
| Ponta da Madeira Terminal - Pier II | S. Luiz - MA | 2028(i) |
| Port of Ore Exportation- Itaguaí Terminal | Itaguaí - RJ | 2021 |
| Guaíba Island Terminal - TIG - Mangaratiba | Mangaratiba - RJ | 2018 |

(i) Concession contract ended in 2010 was extended for 36 months and renewed in March 2013 for another 15 years.

The contractual basis and deadlines for completion of concessions rail and port terminals are unchanged in the period.

iii. Rail and port concessions of discontinued operations

The discontinued operations detailed in Note 7 include rail and port terminal concessions, as follows:

| Railroad | End of the concession period |
|-------------------------------|-------------------------------------|
| Malha Centro-Leste (FCA) | August 2026 |
| Ferrovía Norte Sul S.A. (FNS) | December 2037 |

| Terminals | End of the concession period |
|----------------------------------|-------------------------------------|
| Praia Mole (i) | 2020 |
| Terminal of Several Products (i) | 2020 |
| Inácio Barbosa Terminal (i) | 2018 |
| Ultrafértil S.A. | 2040 |
| VLI Operações Portuárias S.A. | 2028 |

(i) Vale has the concession but they exclusively for the operations of general cargo

h) Guarantee issued to affiliates

The Company provided corporate guarantees, within the limits of its participation, a line of credit acquired by associate Norte Energia S.A. from BNDES, Caixa Econômica Federal and Banco BTG Pactual. On December 31, 2013, 2012 and 2011 the amount guaranteed by Vale was R\$695, R\$188 and R\$0, respectively.

Table of Contents**32. Related parties**

Transactions with related parties are made by the Company in a strictly commutative manner, observing the price and usual market conditions and therefore do not generate any undue benefit to their counterparties or loss to the Company.

In the normal course of operations, Vale contracts rights and obligations with related parties (subsidiaries, associated companies, jointly controlled entities and Stockholders), derived from operations of sale and purchase of products and services, leasing of assets, sale of raw material, so as rail transport services, through prices agreed between the parties.

The balances of these related party transactions and their effect on the financial statements may be identified as follows:

| | December 31, 2013 | | Consolidated Assets December 31, 2012 | | January 1, 2012 | |
|---|-------------------|-----------------|---|-----------------|-----------------|-----------------|
| | Customers | Related parties | Customers | Related parties | Customers | Related parties |
| Baovale Mineração S.A. | 10 | | 10 | 18 | 10 | 3 |
| Companhia Hispano-Brasileira de Pelotização - HISPANOBRÁS | 2 | | 3 | | 331 | |
| Companhia Ítalo-Brasileira de Pelotização - ITABRASCO | | | 1 | | 1 | |
| Companhia Nipo-Brasileira de Pelotização - NIBRASCO | 1 | | 4 | | 1 | |
| Minas da Serra Geral S.A. | | 2 | | | | |
| Mitsui Co. | 110 | | 44 | | | |
| MRS Logística S.A. | 15 | 15 | 17 | 68 | 15 | 76 |
| Norsk Hydro ASA | | | | 827 | | 868 |
| Samarco Mineração S.A. | 67 | 380 | 68 | 369 | 75 | 13 |
| Others | 68 | 467 | 126 | 337 | 104 | 98 |
| Total | 273 | 864 | 273 | 1,619 | 537 | 1,058 |
| Current | 273 | 611 | 273 | 786 | 537 | 154 |
| Non-current | | 253 | | 833 | | 904 |
| Total | 273 | 864 | 273 | 1,619 | 537 | 1,058 |

| | December 31, 2013 | | Consolidated Liabilities December 31, 2012 | | January 1, 2012 | |
|---|-------------------|-----------------|--|-----------------|-----------------|-----------------|
| | Suppliers | Related parties | Suppliers | Related parties | Suppliers | Related parties |
| Baovale Mineração S.A. | 35 | | 57 | | 37 | |
| Companhia Coreano-Brasileira de Pelotização - KOBASCO | 7 | 138 | | 67 | 9 | |
| Companhia Hispano-Brasileira de Pelotização - HISPANOBRÁS | 34 | | 21 | | 303 | |
| Companhia Ítalo-Brasileira de Pelotização - ITABRASCO | 7 | 39 | | | | |
| Companhia Nipo-Brasileira de Pelotização - NIBRASCO | | 299 | 1 | 356 | 2 | 21 |
| Minas da Serra Geral S.A. | 16 | | 16 | | 16 | |
| Mitsui Co. | 4 | | 93 | | 69 | |
| MRS Logística S.A. | 51 | | 81 | | 27 | |
| Norsk Hydro ASA | | | | 146 | | 149 |
| Samarco Mineração S.A. | 2 | | | | | |
| Others | | 14 | 23 | | 48 | 44 |
| Total | 156 | 490 | 292 | 569 | 511 | 214 |
| Current | 156 | 479 | 292 | 423 | 511 | 43 |
| Non-current | | 11 | | 146 | | 171 |
| Total | 156 | 490 | 292 | 569 | 511 | 214 |

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| | December 31, 2013 | | Parent Company Assets December 31, 2012 | | January 1, 2012 | |
|---|-------------------|-----------------|---|-----------------|-----------------|-----------------|
| | Customers | Related parties | Customers | Related parties | Customers | Related parties |
| Baovale Mineração S.A. | 10 | | 10 | 18 | 10 | 3 |
| Biopalma da Amazônia | | 834 | | 692 | | 349 |
| Companhia Hispano-Brasileira de Pelotização - HISPANOBRÁS | 2 | | 3 | | 329 | |
| Companhia Ítalo-Brasileira de Pelotização - ITABRASCO | | | 1 | | | |
| Companhia Nipo-Brasileira de Pelotização - NIBRASCO | 1 | | 4 | | 1 | |
| Companhia Portuária Baía de Sepetiba - CPBS | 4 | 1 | 1 | | 3 | |
| Ferrovias Centro Atlântica S.A. Mineração Brasileiras reunidas S.A. - MBR | 10 | | 5 | 23 | 6 | 36 |
| Mineração Corumbaense Reunidas S.A. | 3 | 204 | 5 | 186 | 18 | 555 |
| MRS Logística S.A. | 32 | 132 | 148 | | 139 | 80 |
| Salobo Metais S.A. | 14 | 13 | 14 | 28 | 15 | 29 |
| Samarco Mineração S.A. | 36 | | 20 | | 20 | 5 |
| Vale International S.A. | 67 | 380 | 68 | 369 | 75 | 13 |
| Vale Manganês S.A. | 13,477 | 272 | 20,749 | 486 | 14,271 | 1,705 |
| Vale Mina do Azul | 16 | | 12 | | 44 | |
| Vale Operações Ferroviárias | 140 | 15 | 87 | | | 47 |
| Vale Potássio Nordeste | 195 | | 111 | | 135 | 11 |
| Others | 9 | | 49 | | 45 | |
| Total | 125 | 697 | 155 | 409 | 138 | 174 |
| Total | 14,141 | 2,548 | 21,442 | 2,211 | 15,249 | 3,007 |
| Current | 14,141 | 1,684 | 21,442 | 1,347 | 15,249 | 2,561 |
| Non-current | | 864 | | 864 | | 446 |
| Total | 14,141 | 2,548 | 21,442 | 2,211 | 15,249 | 3,007 |

| | December 31, 2013 | | Parent Company Liabilities December 31, 2012 | | January 1, 2012 | |
|---|-------------------|-----------------|--|-----------------|-----------------|-----------------|
| | Suppliers | Related parties | Suppliers | Related parties | Suppliers | Related parties |
| Baovale Mineração S.A. | 35 | | 57 | | 37 | |
| Companhia Coreano-Brasileira de Pelotização - KOBASCO | 7 | | | | 9 | |
| Companhia Hispano-Brasileira de Pelotização - HISPANOBRÁS | 34 | | 21 | | 303 | |
| Companhia Ítalo-Brasileira de Pelotização - ITABRASCO | 7 | | 1 | 21 | 2 | 21 |

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| | | | | | | |
|---|------------|---------------|------------|---------------|------------|---------------|
| Companhia Nipo-Brasileira de Pelotização - NIBRASCO | | | | | | |
| Companhia Portuária Baía de Sepetiba - CPBS | | | | | | |
| | 178 | | 256 | | 58 | |
| Ferrovia Centro Atlântica S.A. | 9 | 363 | 11 | | 19 | |
| Mineração Brasileiras reunidas S.A. - MBR | | | | | | |
| | 248 | 7 | 244 | | 44 | |
| MRS Logística S.A. | 63 | | 92 | | 37 | |
| Mitsui & CO, LTD | 4 | | 93 | | 69 | |
| Salobo Metais S.A. | | | 2 | | | |
| Samarco Mineração S.A. | 2 | | | | | |
| Vale International S.A. | 1 | 37,728 | 1 | 35,764 | 8 | 33,582 |
| Vale Mina do Azul | | | | | 152 | |
| Vale Operações Ferroviárias | 30 | 2 | 22 | | | |
| Vale Potássio Nordeste | 4 | | 41 | | 37 | |
| Others | 143 | 366 | 130 | 12 | 99 | 10 |
| Total | 765 | 38,466 | 971 | 35,797 | 874 | 33,613 |
| Current | | | | | | |
| | 765 | 6,453 | 971 | 6,434 | 874 | 4,959 |
| Non-current | | | | | | |
| | | 32,013 | | 29,363 | | 28,654 |
| Total | 765 | 38,466 | 971 | 35,797 | 874 | 33,613 |

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| | Consolidated | | | Parent Company | |
|---|--------------|--------------|---------------------------------------|----------------|---------------|
| | Income | | | | |
| | 2013 | 2012 | Year ended as at December 31, 2011 | 2013 | 2012 |
| Baovale Mineração S.A. | | | 3 | | |
| Companhia Hispano-Brasileira de Pelotização - HISPANOBRÁS | | 472 | 1,193 | | 455 |
| Ferrovias Centro Atlântica S.A. | | | | 119 | 97 |
| Log-in S.A. | | | 10 | | |
| Mineração Brasileiras Reunidas S.A. - MBR | | | | 10 | 10 |
| MRS Logística S.A. | 9 | 27 | 26 | 4 | 22 |
| Samarco Mineração S.A. | 936 | 725 | 806 | 936 | 723 |
| California Steel Industries | 458 | | | | 4 |
| Vale International S.A. | | | | 56,797 | 50,517 |
| Vale Manganês | | | | 5 | 10 |
| Vale Mina do Azul S.A. | | | | 53 | 45 |
| Others | 433 | 280 | 390 | 1,135 | 692 |
| Total | 1,836 | 1,504 | 2,428 | 59,059 | 52,575 |

| | Consolidated | | | Parent Company | |
|---|--------------|--------------|---------------------------------------|----------------|--------------|
| | Expense/Cost | | | | |
| | 2013 | 2012 | Year ended as at December 31, 2011 | 2013 | 2012 |
| Baovale Mineração S.A. | 49 | 42 | 40 | 49 | 42 |
| Companhia Coreano-Brasileira de Pelotização - KOBASCO | 134 | 193 | 166 | 134 | 150 |
| Companhia Hispano-Brasileira de Pelotização - HISPANOBRÁS | 53 | 504 | 1,397 | 53 | 504 |
| Companhia Ítalo-Brasileira de Pelotização - ITABRASCO | 58 | 63 | 249 | 58 | 63 |
| Companhia Nipo-Brasileira de Pelotização - NIBRASCO | 112 | 157 | 251 | 112 | 157 |
| Companhia Portuária Baía de Sepetiba - CPBS | | | | 455 | 402 |
| Ferrovias Centro Atlântica S.A. | | | | 123 | 92 |
| Log-in S.A. | | 9 | | | |
| Mineração Brasileiras Reunidas S.A. - MBR | | | | 719 | 735 |
| Mineração Rio do Norte S.A. | | | 29 | | |
| Mitsui & Co Ltd | 8 | 54 | 245 | 8 | 54 |
| MRS Logística S.A. | 1,324 | 1,368 | 1,262 | 1,306 | 1,353 |
| Vale Colombia Holdings | | | | | 12 |
| Vale Energia S.A. | | | | 151 | 408 |
| Companhia Siderúrgica do Atlântico | 489 | | | | |
| Others | 48 | 80 | 28 | 45 | 45 |
| Total | 2,275 | 2,470 | 3,667 | 3,213 | 4,017 |

Consolidated

Parent Company

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| | Financial | | | | |
|--|-------------------------------|-----------|-------------|----------------|----------------|
| | Year ended as at December 31, | | | | |
| | 2013 | 2012 | 2011 | 2013 | 2012 |
| Biopalma da Amazonia S.A. | | | | 142 | 92 |
| Companhia Hispano-Brasileira de Pelotização - HISPANOBRÁS | | 27 | (4) | | 27 |
| Ferrovia Centro Atlântica S.A. | | | | | (4) |
| Mineração Brasileiras Reunidas S.A. - MBR | | | | | 5 |
| Sociedade Contractual Minera Tres Valles | | | | 44 | 3 |
| Vale Austrália Pty Ltd. | 21 | | | | |
| Vale Canada Limited | | | | | 3 |
| Vale International S.A. | | | | (4,802) | (1,177) |
| Others | 28 | (15) | (84) | (7) | 1 |
| Total | 49 | 12 | (88) | (4,623) | (1,050) |

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| | Balance Sheet | | | Statement of income | | |
|----------------------------------|---------------|--------------|--------------|---------------------|------------|------------|
| | 2013 | 2012 | 2011 | 2013 | 2012 | 2011 |
| Cash and cash equivalents | | | | | | |
| Brasdesco | 58 | 68 | 37 | 7 | 1 | 123 |
| | 58 | 68 | 37 | 7 | 1 | 123 |
| Loan payable | | | | | | |
| BNDES | 10,065 | 8,073 | 5,760 | 388 | 86 | 231 |
| BNDESPar | 1,681 | 1,685 | 1,686 | 100 | 29 | 96 |
| | 11,746 | 9,758 | 7,446 | 488 | 115 | 327 |

Remuneration of key management personnel:

| | Year ended as at December 31, | | |
|--------------------------------|-------------------------------|------------|------------|
| | 2013 | 2012 | 2011 |
| Short-term benefits: | 56 | 68 | 84 |
| Wages or pro-labor | 23 | 21 | 19 |
| Direct and indirect benefits | 14 | 21 | 36 |
| Bonus | 19 | 26 | 29 |
| Long-term benefits: | | | |
| Based on stock | 2 | 21 | 22 |
| Termination of position | 1 | 16 | 91 |
| | 59 | 105 | 197 |

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33. Board of Directors, Fiscal Council, Advisory committees and Executive Officers

Board of Directors

Dan Antônio Marinho Conrado

Chairman

Mário da Silveira Teixeira Júnior

Vice-President

Fuminobu Kawashima

João Batista Cavaglieri

José Mauro Mettrau Carneiro da Cunha

Luciano Galvão Coutinho

Marcel Juvinião Barros

Oscar Augusto de Camargo Filho

Renato da Cruz Gomes

Robson Rocha

Alternate

Caio Marcelo de Medeiros Melo

Eduardo de Oliveira Rodrigues Filho

Eduardo Fernando Jardim Pinto

Francisco Ferreira Alexandre

Hidehiro Takahashi

Hayton Jurema da Rocha

Luiz Carlos de Freitas

Luiz Maurício Leuzinger

Marco Geovanne Tobias da Silva

Sandro Kohler Marcondes

Advisory Committees of the Board of Directors

Controlling Committee

Luiz Carlos de Freitas

Paulo Ricardo Ultra Soares

Paulo Roberto Ferreira de Medeiros

Executive Development Committee

Laura Bedeschi Rego de Mattos

Luiz Maurício Leuzinger

Marcel Juvinião Barros

Oscar Augusto de Camargo Filho

Governance and Sustainability Committee

Gilmar Dalilo Cezar Wanderley

Renato da Cruz Gomes

Ricardo Simonsen

Tatiana Boavista Barros Heil

Fiscal Council

Marcelo Amaral Moraes

Chairman

Aníbal Moreira dos Santos

Paulo Fontoura Valle

Arnaldo José Vollet

Alternate

Oswaldo Mário Pêgo de Amorim Azevedo

Valeriano Gomes

Executive Officers

Murilo Pinto de Oliveira Ferreira

Chief Executive Officer

Vânia Lucia Chaves Somavilla

Executive Officer (Human Resources, Health & Safety, Sustainability and Energy)

Luciano Siani Pires

Chief Financial Officer and Investors Relations

Roger Allan Downey

Executive Officer (Fertilizers and Coal)

José Carlos Martins

Executive Officer (Ferrous and Strategy)

Galib Abrahão Chaim

Executive Officer (Capital Projects Implementation)

Humberto Ramos de Freitas

Executive Officer (Logistics and Mineral Research)

Strategic Committee

Murilo Pinto de Oliveira Ferreira
Dan Antônio Marinho Conrado
Luciano Galvão Coutinho
Mário da Silveira Teixeira Júnior
Oscar Augusto de Camargo Filho

Gerd Peter Poppinga
Executive Officer (Base Metals and Information Technology)

Finance Committee

Luciano Siani Pires
Eduardo de Oliveira Rodrigues Filho
Luciana Freitas Rodrigues
Luiz Maurício Leuzinger

Marcelo Botelho Rodrigues
Global Controller Director

Marcus Vinicius Dias Severini
Chief Accounting Officer
CRC-RJ - 093982/0-3

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Signatures

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Vale S.A.
(Registrant)

Date: February 26, 2014

By:

/s/ Rogerio T. Nogueira
Rogerio T. Nogueira
Director of Investor Relations
