

Vale S.A.  
Form 6-K  
February 25, 2016  
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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**

**December, 2015**

**Vale S.A.**

**Avenida das Américas, No. 700  
22640-100 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, 2015**

**IFRS**

Filed with the CVM, SEC and HKEx on

February 25, 2016

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**Vale S.A. Financial Statements**

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**Report of independent registered public accounting firm**

The Board of Directors and Stockholders of

Vale S.A.

Rio de Janeiro RJ

We have audited the accompanying consolidated balance sheet of Vale S.A. and subsidiaries ( Vale or the Company ) as of December 31, 2015 and 2014, and the related consolidated statements of income, comprehensive income, stockholders' equity and cash flows for the years then ended. We also have audited Vale's internal control over financial reporting as of December 31, 2015, based on criteria established in *Internal Control - Integrated Framework* (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). Vale's management is responsible for these consolidated financial statements, for maintaining effective internal control over financial reporting, and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying Management's Report on Internal Control over Financial Reporting. Our responsibility is to express an opinion on these consolidated financial statements and an opinion on Vale's internal control over financial reporting based on our audit.

We conducted our audit in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement and whether effective internal control over financial reporting was maintained in all material respects. Our audit of the consolidated financial statements included examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audit also included performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

KPMG Auditores Independentes, uma sociedade simples brasileira e firma-membro da rede KPMG de firmas-membro independentes e afiliadas à KPMG International Cooperative ( KPMG International ), uma entidade suíça.

*KPMG Auditores Independentes, a Brazilian entity and a member firm of the KPMG network of independent member firms affiliated with KPMG International Cooperative ( KPMG International ), a Swiss entity.*

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Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of Vale S.A. and subsidiaries as of December 31, 2015 and 2014, and the results of its operations and its cash flows for the years then ended, in conformity with International Financial Reporting Standards as issued by the International Accounting Standards Board. Also in our opinion, Vale maintained, in all material respects, effective internal control over financial reporting as of December 31, 2015, based on criteria established in *Internal Control - Integrated Framework* (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO).

/s/ KPMG Auditores Independentes

KPMG Auditores Independentes

Rio de Janeiro, Brazil

February 24, 2016

Table of Contents**Consolidated Income Statement**

In millions of United States dollars, except as otherwise stated

	Notes	Year ended December 31		
		2015	2014	2013
<b>Continuing operations</b>				
Net operating revenue	3(c)	25,609	37,539	46,767
Cost of goods sold and services rendered	26(a)	(20,513)	(25,064)	(24,245)
<b>Gross profit</b>		<b>5,096</b>	<b>12,475</b>	<b>22,522</b>
<b>Operating expenses</b>				
Selling and administrative expenses	26(b)	(652)	(1,099)	(1,302)
Research and evaluation expenses		(477)	(734)	(801)
Pre operating and operational stoppage		(1,027)	(1,088)	(1,859)
Other operating expenses, net	26(c)	(206)	(1,057)	(984)
		<b>(2,362)</b>	<b>(3,978)</b>	<b>(4,946)</b>
Impairment of non-current assets and onerous contracts	15	(8,926)	(1,152)	(2,298)
Results on measurement or sale of non-current assets	5-6	61	(167)	(215)
<b>Operating income (loss)</b>		<b>(6,131)</b>	<b>7,178</b>	<b>15,063</b>
Financial income	27	7,850	3,770	2,699
Financial expenses	27	(18,651)	(9,839)	(11,031)
Equity results in associates and joint ventures	11	(439)	505	469
Results on sale or disposal of investments in associates and joint ventures	5-6	97	(30)	41
Impairment of investments in associates and joint ventures	15	(446)	(31)	
<b>Net income (loss) before income taxes</b>		<b>(17,720)</b>	<b>1,553</b>	<b>7,241</b>
<b>Income taxes</b>				
Current tax	20	(389)	(1,051)	(7,786)
Deferred tax		5,489	(149)	953
		<b>5,100</b>	<b>(1,200)</b>	<b>(6,833)</b>
<b>Net income (loss) from continuing operations</b>		<b>(12,620)</b>	<b>353</b>	<b>408</b>
Loss attributable to noncontrolling interests	12	(491)	(304)	(178)
<b>Net income (loss) from continuing operations attributable to Vale's stockholders</b>		<b>(12,129)</b>	<b>657</b>	<b>586</b>
<b>Discontinued operations</b>				
Loss from discontinued operations				(2)
<b>Loss from discontinued operations attributable to Vale's stockholders</b>				<b>(2)</b>
<b>Net income (loss)</b>		<b>(12,620)</b>	<b>353</b>	<b>406</b>

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Loss attributable to noncontrolling interests	(491)	(304)	(178)
<b>Net income (loss) attributable to Vale s stockholders</b>	<b>(12,129)</b>	<b>657</b>	<b>584</b>

**Earnings per share attributable to Vale s stockholders:**

<b>Basic and diluted earnings per share:</b>	25(d)		
Preferred share (US\$)	(2.35)	0.13	0.11
Common share (US\$)	(2.35)	0.13	0.11

The accompanying notes are an integral part of these financial statements.

Table of Contents**Consolidated Statement of Comprehensive Income**

In millions of United States dollars

	Year ended December 31		
	2015	2014	2013
<b>Net income (loss)</b>	<b>(12,620)</b>	<b>353</b>	<b>406</b>
<b>Other comprehensive income</b>			
<b>Items that will not be reclassified subsequently to net income</b>			
Cumulative translation adjustments	(18,128)	(7,436)	(9,830)
<b>Retirement benefit obligations</b>			
Gross balance for the year	66	(279)	914
Effect of taxes	3	85	(284)
Equity results from associates and joint ventures, net taxes	69	(192)	630
<b>Total items that will not be reclassified subsequently to net income</b>	<b>(18,059)</b>	<b>(7,628)</b>	<b>(9,200)</b>
<b>Items that may be reclassified subsequently to net income</b>			
<b>Cumulative translation adjustments</b>			
Gross balance for the year	9,340	3,407	2,822
Effect of taxes	904		
Transfer of realized results to net income			435
	<b>10,244</b>	<b>3,407</b>	<b>3,257</b>
<b>Available-for-sale financial instruments</b>			
Gross balance for the year	1	(4)	193
Transfer of realized results to net income, net of taxes		4	(194)
	<b>1</b>		<b>(1)</b>
<b>Cash flow hedge</b>			
Gross balance for the year	828	(290)	(23)
Effect of taxes	(7)	(3)	12
Equity results from associates and joint ventures, net taxes	(5)	(1)	
Transfer of realized results to net income, net of taxes	(369)	(122)	(40)
	<b>447</b>	<b>(416)</b>	<b>(51)</b>
<b>Total of items that may be reclassified subsequently to net income</b>	<b>10,692</b>	<b>2,991</b>	<b>3,205</b>
<b>Total comprehensive income</b>	<b>(19,987)</b>	<b>(4,284)</b>	<b>(5,589)</b>
Comprehensive income attributable to noncontrolling interests	(543)	(330)	(175)
<b>Comprehensive income attributable to Vale's stockholders</b>	<b>(19,444)</b>	<b>(3,954)</b>	<b>(5,414)</b>
	<b>(19,987)</b>	<b>(4,284)</b>	<b>(5,589)</b>

The accompanying notes are an integral part of these financial statements.



Table of Contents**Consolidated Statement of Cash Flow**

In millions of United States dollars

	Year ended December 31		
	2015	2014	2013
<b>Cash flow from continuing operating activities:</b>			
Net income (loss) from continuing operations	(12,620)	353	408
<b>Adjustments for:</b>			
Equity results from associates and joint ventures	439	(505)	(469)
Results on measurement or sale of non-current assets	(61)	167	215
Results on sale or disposal of investments in associates and joint ventures	(97)	30	(41)
Results on disposal of property, plant and equipment and intangibles	(152)	91	(146)
Impairment of non-current assets and onerous contracts	9,372	1,183	2,298
Depreciation, amortization and depletion	4,029	4,288	4,150
Deferred income taxes	(5,489)	149	(953)
Foreign exchange and indexation, net	6,879	1,270	724
Unrealized derivative loss (gain), net	1,714	1,155	791
Participative stockholders' debentures	(965)	315	381
Others	189	347	303
<b>Changes in assets and liabilities:</b>			
Accounts receivable	1,671	2,546	608
Inventories	(304)	(535)	346
Suppliers and contractors	740	1,013	(124)
Payroll and related charges	(603)	(77)	59
Income taxes (includes settlement program)	(99)	604	5,424
Net other taxes assets and liabilities	(258)	(292)	44
Deferred revenue - Gold stream (note 28)	532		1,319
Net other assets and liabilities	(426)	705	(795)
<b>Net cash provided by continuing operating activities</b>	<b>4,491</b>	<b>12,807</b>	<b>14,542</b>
Net cash provided by discontinued operating activities			250
<b>Net cash provided by operating activities</b>	<b>4,491</b>	<b>12,807</b>	<b>14,792</b>
<b>Cash flow from continuing investing activities:</b>			
Financial investments redeemed (invested)	308	(148)	357
Loans and advances received (granted)	(65)	364	(17)
Guarantees and deposits received (granted)	(17)	59	(147)
Additions to investments	(66)	(244)	(378)
Acquisition of subsidiary (note 6(f))	(90)		
Additions to property, plant and equipment and intangible (note 3(b))	(8,371)	(11,813)	(13,105)
Dividends and interest on capital received from associates and joint ventures (note 11)	318	568	834
Proceeds from disposal of assets and investments	1,456	1,246	2,030
Proceeds from gold stream transaction (note 28)	368		581
<b>Net cash used in continuing investing activities</b>	<b>(6,159)</b>	<b>(9,968)</b>	<b>(9,845)</b>

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Net cash provided by discontinued investing activities			(763)
<b>Net cash used in investing activities</b>	<b>(6,159)</b>	<b>(9,968)</b>	<b>(10,608)</b>
<b>Cash flow from continuing financing activities:</b>			
<b>Loans and borrowings</b>			
Additions	4,995	2,341	3,310
Repayments	(2,826)	(1,936)	(3,347)
<b>Transactions with stockholders:</b>			
Dividends and interest on capital paid to Vale's stockholders (note 25(e))	(1,500)	(4,200)	(4,500)
Dividends and interest on capital paid to noncontrolling interest	(15)	(66)	(20)
Transactions with noncontrolling stockholders (i)	1,049		
<b>Net cash provided (used) by continuing financing activities</b>	<b>1,703</b>	<b>(3,861)</b>	<b>(4,557)</b>
Net cash provided by discontinued financing activities			87
<b>Net cash provided (used) in financing activities</b>	<b>1,703</b>	<b>(3,861)</b>	<b>(4,470)</b>
Increase (decrease) in cash and cash equivalents	35	(1,022)	(286)
Cash and cash equivalents in the beginning of the year	3,974	5,321	5,832
Effect of exchange rate changes on cash and cash equivalents	(418)	(325)	(225)
<b>Cash and cash equivalents at end of the year</b>	<b>3,591</b>	<b>3,974</b>	<b>5,321</b>
<b>Cash paid for (ii):</b>			
Interest on loans and borrowings	(1,462)	(1,560)	(1,535)
Derivatives received (paid), net	(1,202)	(179)	(242)
Income taxes	(527)	(504)	(2,405)
Income taxes - Settlement program	(384)	(494)	(2,594)
<b>Non-cash transactions:</b>			
Additions to property, plant and equipment - capitalized loans and borrowing costs	761	588	235
Additions to property, plant and equipment - costs of assets retirement obligations	219	842	190

- 
- (i) Comprises reduction of participation in MBR (note 6(a)) and other transactions.
- (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**Consolidated Balance Sheet**

In millions of United States dollars

	Notes	December 31, 2015	December 31, 2014
<b>Assets</b>			
<b>Current assets</b>			
Cash and cash equivalents	7	3,591	3,974
Financial investments		28	148
Derivative financial instruments	24	121	166
Accounts receivable	8	1,476	3,275
Inventories	9	3,528	4,501
Prepaid income taxes		900	1,581
Recoverable taxes	10	1,404	1,700
Related parties	30	70	579
Others		311	670
		<b>11,429</b>	<b>16,594</b>
Assets held for sale	5	4,044	3,640
		<b>15,473</b>	<b>20,234</b>
<b>Non-current assets</b>			
Derivative financial instruments	24	93	87
Loans		188	229
Prepaid income taxes		471	478
Recoverable taxes	10	501	401
Deferred income taxes	20	7,904	3,976
Judicial deposits	18(c)	882	1,269
Related parties	30	1	35
Others		613	705
		<b>10,653</b>	<b>7,180</b>
Investments in associates and joint ventures	11	2,940	4,133
Intangibles	13	5,324	6,820
Property, plant and equipment	14	54,102	78,122
		<b>73,019</b>	<b>96,255</b>
<b>Total assets</b>		<b>88,492</b>	<b>116,489</b>

Table of Contents**Consolidated Balance Sheet**

In millions of United States dollars

(continued)

	Notes	December 31, 2015	December 31, 2014
<b>Liabilities</b>			
<b>Current liabilities</b>			
Suppliers and contractors		3,365	4,354
Payroll and related charges		375	1,163
Derivative financial instruments	24	2,076	1,416
Loans and borrowings	16	2,506	1,419
Related parties	30	475	306
Income taxes - Settlement program	19	345	457
Taxes payable		250	550
Provision for income taxes		241	353
Employee postretirement obligations	21(a)	68	67
Asset retirement obligations	17	89	136
Others		648	405
		<b>10,438</b>	<b>10,626</b>
Liabilities associated with assets held for sale	5	107	111
		<b>10,545</b>	<b>10,737</b>
<b>Non-current liabilities</b>			
Derivative financial instruments	24	1,429	1,610
Loans and borrowings	16	26,347	27,388
Related parties	30	213	109
Employee postretirement obligations	21(a)	1,750	2,236
Provisions for litigation	18(a)	822	1,282
Income taxes - Settlement program	19	4,085	5,863
Deferred income taxes	20	1,670	3,341
Asset retirement obligations	17	2,385	3,233
Participative stockholders' debentures	29(b)	342	1,726
Redeemable noncontrolling interest			243
Deferred revenue - Gold stream	28	1,749	1,323
Others		1,451	1,077
		<b>42,243</b>	<b>49,431</b>
<b>Total liabilities</b>		<b>52,788</b>	<b>60,168</b>
<b>Stockholders' equity</b>			
Equity attributable to Vale's stockholders	25	33,589	55,122
Equity attributable to noncontrolling interests	12	2,115	1,199
<b>Total stockholders' equity</b>		<b>35,704</b>	<b>56,321</b>
<b>Total liabilities and stockholders' equity</b>		<b>88,492</b>	<b>116,489</b>

The accompanying notes are an integral part of these financial statements.

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

In millions of United States dollars

	Share capital	Results on conversion of shares	Results from operation with noncontrolling interest	Profit reserves	Treasury stocks	Unrealized fair value gain (losses)	Cumulative translation adjustments	Retained earnings	Equity attributable to Vale's stockholders	Equity attributable to noncontrolling interests	Total stockholders' equity
<b>Balance at December 31, 2012</b>	<b>60,578</b>	<b>(152)</b>	<b>(400)</b>	<b>38,389</b>	<b>(4,477)</b>	<b>(2,044)</b>	<b>(18,663)</b>	<b>8</b>	<b>73,239</b>	<b>1,588</b>	<b>74,827</b>
<b>Net income (loss)</b>								<b>584</b>	<b>584</b>	<b>(178)</b>	
<b>Other comprehensive income:</b>											
Retirement benefit obligations						630			630		
Cash flow hedge						(51)			(51)		
Available-for-sale financial instruments						(1)			(1)		
Translation adjustments				(4,901)		264	(1,925)	(14)	(6,576)	3	(6)
<b>Transactions with stockholders:</b>											
Dividends and interest on capital of Vale's stockholders								(4,500)	(4,500)		(4,500)
Dividends of noncontrolling interest										(91)	
Redeemable noncontrolling interest										211	
Capitalization of noncontrolling interest advances										78	
Realization of reserves				(3,936)				3,936			
Appropriation to undistributed retained earnings				14				(14)			
<b>Balance at December 31, 2013</b>	<b>60,578</b>	<b>(152)</b>	<b>(400)</b>	<b>29,566</b>	<b>(4,477)</b>	<b>(1,202)</b>	<b>(20,588)</b>		<b>63,325</b>	<b>1,611</b>	<b>64,936</b>

<b>Net income (loss)</b>								<b>657</b>	<b>657</b>	<b>(304)</b>	
<b>Other comprehensive income:</b>											
Retirement benefit obligations						(192)			(192)		
Cash flow hedge						(416)			(416)		
Translation adjustments		(2,237)				97	(2,098)	235	(4,003)	(26)	(4)
<b>Transactions with stockholders:</b>											
Dividends and interest on capital of Vale's stockholders								(4,200)	(4,200)		(4)
Dividends of noncontrolling interest										(8)	
Acquisitions and disposal of participation of noncontrolling interest			(49)						(49)	(201)	
Capitalization of noncontrolling interest advances										127	
Capitalization of reserves	1,036		(1,036)								
Cancellation of treasury stock			(3,000)	3,000							
Realization of reserves			(3,387)					3,387			
Appropriation to undistributed retained earnings			79					(79)			
<b>Balance at December 31, 2014</b>	<b>61,614</b>	<b>(152)</b>	<b>(449)</b>	<b>19,985</b>	<b>(1,477)</b>	<b>(1,713)</b>	<b>(22,686)</b>		<b>55,122</b>	<b>1,199</b>	<b>56</b>
<b>Loss</b>								<b>(12,129)</b>	<b>(12,129)</b>	<b>(491)</b>	<b>(12)</b>
<b>Other comprehensive income:</b>											
Retirement benefit obligations						70			70	(1)	
Cash flow hedge						447			447		
Available-for-sale financial instruments						1			1		
Translation adjustments		(5,371)				203	(2,665)		(7,833)	(51)	(7)
<b>Transactions with stockholders:</b>											
Dividends and interest on capital of Vale's stockholders			(1,500)						(1,500)		(1)
										(32)	

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Dividends of noncontrolling interest										
Acquisitions and disposal of participation of noncontrolling interest			(253)			(336)		(589)		1,455
Capitalization of noncontrolling interest advances										36
Appropriation to undistributed retained earnings			(12,129)			12,129				
<b>Balance at December 31, 2015</b>	<b>61,614</b>	<b>(152)</b>	<b>(702)</b>	<b>985</b>	<b>(1,477)</b>	<b>(992)</b>	<b>(25,687)</b>	<b>33,589</b>	<b>2,115</b>	<b>35</b>

The accompanying notes are an integral part of these financial statements.

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**Notes to the Financial Statements**

**Expressed in millions of United States dollar, unless otherwise stated**

**1. Corporate information**

Vale S.A. (the Parent Company) is a public company headquartered at 700, Avenida das Américas, Rio de Janeiro, Brazil with securities traded on the stock exchanges of São Paulo - BM&F BOVESPA (Vale3 and Vale5), New York - NYSE (VALE and VALE.P), Paris - NYSE Euronext (Vale3 and Vale5) and Hong Kong - HKEx (codes 6210 and 6230).

Vale and its direct and indirect subsidiaries ( Vale , Group or Company ) are producers of iron ore and iron ore pellets, key raw materials for steelmaking, and producers of nickel, which is used to produce stainless steel and metal alloys employed in the production of several products. The Group also produces copper, metallurgical and thermal coal, potash, phosphates and other fertilizer nutrients, manganese ore, ferroalloys, platinum group metals, gold, silver and cobalt. The information by segment is presented in notes 3 and 31(d).

**2. Basis for preparation of the financial statements**

**a) Statement of compliance**

The consolidated financial statements of the Company ( financial statements ) present the accounts of the Group as described in note 31(b), and have been prepared in accordance with the International Financial Reporting Standards ( IFRS ) as issued by the International Accounting Standards Board ( IASB ).

**b) Basis of presentation**

The financial statements have been prepared under the historical cost convention as adjusted to reflect: (i) the fair value of financial instruments measured at fair value through income statement or available-for-sale financial instruments measured at fair value through the statement of comprehensive income; and (ii) impairment of assets.

Subsequent events were evaluated through February 24, 2016, which is the date the financial statements were approved by the Board of Directors.

**c) Accounting standards issued but not yet effective**

**IFRS 9 Financial instruments** - In July 2014 the IASB issued IFRS 9, which sets out the requirements for recognizing and measuring financial assets, financial liabilities and some contracts to buy or sell non-financial items. This Standard replaces IAS 39 Financial Instruments: Recognition and Measurement. The adoption will be required from January 1, 2018 and the Company does not expect significant impact from the adoption of this standard.

**IFRS 15 Revenue from contracts with customers** - In May 2014 the IASB issued IFRS 15, which sets out the requirements for revenue recognition that apply to all contracts with customer to depict the transfer of promised goods or services to the customer in an amount that reflects the consideration to which the company expects to be entitled in exchange for those goods or services, and replaces IAS 18 - revenue, IAS 11 - Construction contracts and the related interpretations. The adoption will be required from January 1, 2018 and the Company is currently analyzing the potential impact regarding this pronouncement on the financial statements.

**IFRS 16 Leases** - In January 2016 the IASB issued IFRS 16, which sets out the principles for the recognition, measurement, presentation and disclosure of leases. IFRS 16 replaces IAS 17 Leases and the related interpretation. The adoption will be required from January 1, 2019 and the Company is currently analyzing the potential impact regarding this pronouncement on the financial statements.

**d) Summary of main accounting practices and critical accounting estimates and judgments**

The summary of main accounting practices and the critical accounting estimates and judgments are disclosed in note 31 and 32, respectively.

Table of Contents**3. Information by business segment and 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) Operating income (loss) and adjusted EBITDA**

Adjusted EBITDA is used by management to support the decision making process for segments. The definition of adjusted EBITDA for the Company is the operating income or loss adding dividends received from associates and joint ventures, and excluding the depreciation, depletion and amortization, impairment, onerous contracts and results on measurement or sales of non-current assets.

	Year ended December 31, 2015							Adjusted by			Depreciation and amortization
	Income statement			Pre operating and operational stoppage		Depreciation and others results		Impairment of non-current assets and onerous contracts	Results on measurement or sale of non-current assets	Dividends received from associates and joint ventures	
	Net operating revenue	Costs	Expenses, net	Research and evaluation expenses			Operating income (loss)				
<b>Ferrous minerals</b>											
Iron ore	12,330	(7,604)	(398)	(121)	(124)	(2,289)	1,794	914	132		22
Pellets	3,600	(2,121)	9	(4)	(24)	(385)	1,075	58			225
Ferroalloys and manganese	162	(175)	1		(19)	(23)	(54)				
Others ferrous products and services	470	(341)	8	(3)	(2)	(97)	35	21			8
	<b>16,562</b>	<b>(10,241)</b>	<b>(380)</b>	<b>(128)</b>	<b>(169)</b>	<b>(2,794)</b>	<b>2,850</b>	<b>993</b>	<b>132</b>		<b>255</b>
<b>Coal</b>	<b>526</b>	<b>(839)</b>	<b>(140)</b>	<b>(22)</b>	<b>(61)</b>	<b>(3,230)</b>	<b>(3,766)</b>	<b>3,038</b>			<b>28</b>
<b>Base metals</b>											
Nickel and other products	4,693	(3,393)	(154)	(103)	(411)	(6,344)	(5,712)	4,696			

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Copper	1,470	(903)	(32)	(8)	(1)	(229)	297	36		
Others base metals products			230				230			
	<b>6,163</b>	<b>(4,296)</b>	<b>44</b>	<b>(111)</b>	<b>(412)</b>	<b>(6,573)</b>	<b>(5,185)</b>	<b>4,732</b>		
<b>Fertilizers</b>										
Potash	132	(89)	3	(50)	(24)	(579)	(607)	548		
Phosphates	1,733	(1,173)	(34)	(29)	(43)	133	587	(391)		
Nitrogen	303	(207)	(6)	(3)	(3)	(21)	63			
Others fertilizers products							57			
	<b>2,225</b>	<b>(1,469)</b>	<b>(37)</b>	<b>(82)</b>	<b>(70)</b>	<b>(467)</b>	<b>100</b>	<b>157</b>		
<b>Others</b>	<b>133</b>	<b>(139)</b>	<b>(160)</b>	<b>(134)</b>		<b>170</b>	<b>(130)</b>	<b>6</b>	<b>(193)</b>	<b>35</b>
<b>Total</b>	<b>25,609</b>	<b>(16,984)</b>	<b>(673)</b>	<b>(477)</b>	<b>(712)</b>	<b>(12,894)</b>	<b>(6,131)</b>	<b>8,926</b>	<b>(61)</b>	<b>318</b>

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	Year ended December 31, 2014										
	Statement of income							Adjusted by			Dep
	Net operating			Research and	Pre operating	Depreciation	Operating	Impairment	Results on	Dividends	
revenue	Costs	Expenses, net	evaluation	and	and others	income (loss)	of non-	measurement	received from		
			expenses	operational	stoppage	results		current assets	or sale of	associates	
								and onerous	non-current	and joint	
								contracts	assets	ventures	
<b>Ferrous minerals</b>											
Iron ore	19,301	(9,532)	(1,258)	(319)	(160)	(2,649)	5,383	1,135		44	
Pellets	5,263	(2,705)	(21)		(38)	(274)	2,225			482	
Ferroalloys and manganese	392	(261)	(13)		(23)	(32)	63				
Others ferrous products and services	741	(565)	3	(10)		(110)	59				
	<b>25,697</b>	<b>(13,063)</b>	<b>(1,289)</b>	<b>(329)</b>	<b>(221)</b>	<b>(3,065)</b>	<b>7,730</b>	<b>1,135</b>		<b>526</b>	
<b>Coal</b>	<b>739</b>	<b>(1,071)</b>	<b>(309)</b>	<b>(18)</b>	<b>(38)</b>	<b>(463)</b>	<b>(1,160)</b>	<b>343</b>		<b>28</b>	
<b>Base metals</b>											
Nickel and other products	6,241	(3,710)	101	(138)	(514)	(405)	1,575	(1,379)	167		
Copper	1,451	(877)	(12)	(5)	(16)	(174)	367				
	<b>7,692</b>	<b>(4,587)</b>	<b>89</b>	<b>(143)</b>	<b>(530)</b>	<b>(579)</b>	<b>1,942</b>	<b>(1,379)</b>	<b>167</b>		
<b>Fertilizers</b>											
Potash	154	(133)	(15)	(19)	(22)	(26)	(61)				
Phosphates	1,820	(1,514)	(70)	(46)	(56)	(1,398)	(1,264)	1,053			
Nitrogen	349	(238)	(10)	(7)	(7)	(48)	39				
Others fertilizers products	92						92				
	<b>2,415</b>	<b>(1,885)</b>	<b>(95)</b>	<b>(72)</b>	<b>(85)</b>	<b>(1,472)</b>	<b>(1,194)</b>	<b>1,053</b>			
<b>Others</b>	<b>996</b>	<b>(601)</b>	<b>(329)</b>	<b>(172)</b>	<b>(6)</b>	<b>(28)</b>	<b>(140)</b>			<b>14</b>	
<b>Total</b>	<b>37,539</b>	<b>(21,207)</b>	<b>(1,933)</b>	<b>(734)</b>	<b>(880)</b>	<b>(5,607)</b>	<b>7,178</b>	<b>1,152</b>	<b>167</b>	<b>568</b>	

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	Year ended December 31, 2013										
	Statement of income							Adjusted by			
	Net operating revenue	Costs	Expenses, net	Research and evaluation expenses	Pre operating and operational stoppage	Depreciation and others results	Operating income (loss)	Impairment of non-current assets and onerous contracts	Results on measurement or sale of non-current assets	Dividends received from associates and joint ventures	De
<b>Ferrous minerals</b>											
Iron ore	27,844	(9,067)	(1,261)	(314)	(244)	(1,393)	15,565				63
Pellets	6,000	(2,299)	(110)	(12)	(130)	(366)	3,083	182			652
Ferroalloys and manganese	523	(317)	(34)		(13)	(29)	130				
Others ferrous products and services	425	(166)	3			(140)	122				
	<b>34,792</b>	<b>(11,849)</b>	<b>(1,402)</b>	<b>(326)</b>	<b>(387)</b>	<b>(1,928)</b>	<b>18,900</b>	<b>182</b>			<b>715</b>
<b>Coal</b>	<b>1,010</b>	<b>(1,147)</b>	<b>(262)</b>	<b>(49)</b>	<b>(47)</b>	<b>(173)</b>	<b>(668)</b>				<b>40</b>
<b>Base metals</b>											
Nickel and other products	5,839	(3,657)	(123)	(173)	(753)	(1,592)	(459)				
Copper	1,447	(1,008)	(122)	(45)	(10)	(389)	(127)		215		
Others base metals products			244				244				
	<b>7,286</b>	<b>(4,665)</b>	<b>(1)</b>	<b>(218)</b>	<b>(763)</b>	<b>(1,981)</b>	<b>(342)</b>		<b>215</b>		
<b>Fertilizers</b>											
Potash	201	(127)	(29)	(16)	(394)	(2,160)	(2,525)	2,116			
Phosphates	2,065	(1,681)	(146)	(30)	(29)	(312)	(133)				
Nitrogen	469	(382)	(22)	(5)	(5)	(75)	(20)				
Others fertilizers products	79			(2)			77				
	<b>2,814</b>	<b>(2,190)</b>	<b>(197)</b>	<b>(53)</b>	<b>(428)</b>	<b>(2,547)</b>	<b>(2,601)</b>	<b>2,116</b>			
<b>Others</b>	<b>865</b>	<b>(669)</b>	<b>(233)</b>	<b>(155)</b>		<b>(34)</b>	<b>(226)</b>				<b>79</b>
<b>Total of continued operations</b>	<b>46,767</b>	<b>(20,520)</b>	<b>(2,095)</b>	<b>(801)</b>	<b>(1,625)</b>	<b>(6,663)</b>	<b>15,063</b>	<b>2,298</b>	<b>215</b>		<b>834</b>
Discontinued operations	1,283	(1,078)	(72)	(14)		(367)	(248)		209		
<b>Total</b>	<b>48,050</b>	<b>(21,598)</b>	<b>(2,167)</b>	<b>(815)</b>	<b>(1,625)</b>	<b>(7,030)</b>	<b>14,815</b>	<b>2,298</b>	<b>424</b>		<b>834</b>



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Year ended December 31, 2015

	Trade receivables	Product inventory	Investments in associates and joint ventures	Property, plant and equipment and intangible assets	Additions to property, plant and equipment and intangible
<b>Ferrous minerals</b>					
Iron ore	76	812	405	26,772	4,874
Pellets	715	159	296	1,079	39
Ferrous alloys and manganese	52	63		140	13
Others ferrous products and services	77	2	778	211	15
	<b>920</b>	<b>1,036</b>	<b>1,479</b>	<b>28,202</b>	<b>4,941</b>
<b>Coal</b>	<b>44</b>	<b>53</b>	<b>306</b>	<b>1,812</b>	<b>1,539</b>
<b>Base metals</b>					
Nickel and other products	411	1,142	17	21,286	1,315
Copper	17	24		2,236	240
	<b>428</b>	<b>1,166</b>	<b>17</b>	<b>23,522</b>	<b>1,555</b>
<b>Fertilizers</b>					
Potash		13		146	
Phosphates	101	272		3,720	257
Nitrogen		10			
	<b>101</b>	<b>295</b>		<b>3,866</b>	<b>257</b>
<b>Others</b>	<b>41</b>	<b>3</b>	<b>1,138</b>	<b>2,024</b>	<b>79</b>
<b>Total</b>	<b>1,534</b>	<b>2,553</b>	<b>2,940</b>	<b>59,426</b>	<b>8,371</b>

Year ended December 31, 2014

	Trade receivables	Product inventory	Investments in associates and joint ventures	Property, plant and equipment and intangible assets	Additions to property, plant and equipment and intangible
<b>Ferrous minerals</b>					
Iron ore	1,520	1,110	546	35,294	6,946
Pellets	434	187	593	1,617	214
Ferrous alloys and manganese	151	69		262	56
Others ferrous products and services	68		1,109	305	39
	<b>2,173</b>	<b>1,366</b>	<b>2,248</b>	<b>37,478</b>	<b>7,255</b>

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<b>Coal</b>	<b>122</b>	<b>155</b>	<b>355</b>	<b>4,429</b>	<b>2,099</b>
<b>Base metals</b>					
Nickel and other products	658	1,435	21	29,615	1,522
Copper	119	26	194	3,664	563
	<b>777</b>	<b>1,461</b>	<b>215</b>	<b>33,279</b>	<b>2,085</b>
<b>Fertilizers</b>					
Potash		12		156	
Phosphates	136	309		5,509	36
Nitrogen		23			
	<b>136</b>	<b>344</b>		<b>5,665</b>	<b>36</b>
<b>Others</b>	<b>154</b>	<b>4</b>	<b>1,315</b>	<b>4,091</b>	<b>338</b>
<b>Total</b>	<b>3,362</b>	<b>3,330</b>	<b>4,133</b>	<b>84,942</b>	<b>11,813</b>

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## c) Results by segment and revenues by geographic area

	Year ended December 31, 2015					
	Ferrous minerals	Coal	Base metals	Fertilizers	Others	Total
<b>Results</b>						
Net operating revenue	16,562	526	6,163	2,225	133	25,609
Cost and expenses	(10,918)	(1,062)	(4,775)	(1,658)	(433)	(18,846)
Impairment of non-current assets and onerous contracts	(993)	(3,038)	(4,732)	(157)	(6)	(8,926)
Results on measurement or sale of non-current assets	(132)				193	61
Depreciation, depletion and amortization	(1,669)	(192)	(1,841)	(310)	(17)	(4,029)
<b>Operating income (loss)</b>	<b>2,850</b>	<b>(3,766)</b>	<b>(5,185)</b>	<b>100</b>	<b>(130)</b>	<b>(6,131)</b>
Financial result	(10,482)	151	(333)	(147)	10	(10,801)
Results on sale or disposal of investments in associates and joint ventures					97	97
Impairment of investment in associates and joint ventures	(132)		(314)			(446)
Equity results in associates and joint ventures	26	(3)	(132)		(330)	(439)
Income taxes	5,007	(835)	1,087	(149)	(10)	5,100
<b>Loss</b>	<b>(2,731)</b>	<b>(4,453)</b>	<b>(4,877)</b>	<b>(196)</b>	<b>(363)</b>	<b>(12,620)</b>
Income (loss) attributable to noncontrolling interests	69	(254)	(295)	10	(21)	(491)
<b>Loss attributable to Vale's stockholders</b>	<b>(2,800)</b>	<b>(4,199)</b>	<b>(4,582)</b>	<b>(206)</b>	<b>(342)</b>	<b>(12,129)</b>
<b>Sales classified by geographic area:</b>						
America, except United States and Brazil	359	18	1,122	65		1,564
United States of America	30		804		21	855
Europe	2,506	102	1,921	127		4,656
Middle East/Africa/Oceania	1,009	97	84	9		1,199
Japan	1,512	74	373			1,959
China	8,400	44	651			9,095
Asia, except Japan and China	1,081	169	990	74		2,314
Brazil	1,665	22	218	1,950	112	3,967
<b>Net operating revenue</b>	<b>16,562</b>	<b>526</b>	<b>6,163</b>	<b>2,225</b>	<b>133</b>	<b>25,609</b>
<b>Year ended December 31, 2014</b>						
	Ferrous minerals	Coal	Base metals	Fertilizers	Others	Total
<b>Results</b>						
Net operating revenue	25,697	739	7,692	2,415	996	37,539
Cost and expenses	(14,902)	(1,436)	(5,171)	(2,137)	(1,108)	(24,754)
	(1,135)	(343)	1,379	(1,053)		(1,152)

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Impairment of non-current assets and onerous contracts

Results on measurement or sales of non-current assets (167) (167)

Depreciation, depletion and amortization (1,930) (120) (1,791) (419) (28) (4,288)

**Operating income (loss) 7,730 (1,160) 1,942 (1,194) (140) 7,178**

Financial result (6,003) 194 (198) (51) (11) (6,069)

Results on sale or disposal of investments in associates and joint ventures (30) (30)

Impairment of investment in associates and joint ventures (31) (31)

Equity results in associates and joint ventures 665 32 (35) (157) 505

Income taxes (1,451) 81 (145) 403 (88) (1,200)

**Net income (loss) 941 (853) 1,564 (842) (457) 353**

Income (loss) attributable to noncontrolling interests 59 (49) (284) 4 (34) (304)

**Income (loss) attributable to Vale's stockholders 882 (804) 1,848 (846) (423) 657**

**Sales classified by geographic area:**

America, except United States and Brazil 652 3 1,373 39 21 2,088

United States of America 24 1,099 245 1,368

Europe 3,894 115 2,586 89 13 6,697

Middle East/Africa/Oceania 1,608 110 149 3 1,870

Japan 2,566 192 863 6 3,627

China 11,939 76 642 12,657

Asia, except Japan and China 2,189 235 828 53 3,305

Brazil 2,825 8 152 2,231 711 5,927

**Net operating revenue 25,697 739 7,692 2,415 996 37,539**

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	Year ended December 31, 2013						Discontinued operations	Total
	Ferrous minerals	Coal	Base metals	Fertilizers	Others	Total		
<b>Results</b>								
Net operating revenue	34,792	1,010	7,286	2,814	865	46,767	1,283	48,050
Cost and expenses	(13,964)	(1,505)	(5,647)	(2,868)	(1,057)	(25,041)	(1,164)	(26,205)
Impairment of non-current assets and onerous contracts	(182)			(2,116)		(2,298)		(2,298)
Results on measurement or sale of non-current assets			(215)			(215)	(209)	(424)
Depreciation, depletion and amortization	(1,746)	(173)	(1,766)	(431)	(34)	(4,150)	(158)	(4,308)
<b>Operating income (loss)</b>	<b>18,900</b>	<b>(668)</b>	<b>(342)</b>	<b>(2,601)</b>	<b>(226)</b>	<b>15,063</b>	<b>(248)</b>	<b>14,815</b>
Financial result	(8,559)	44	(50)	(18)	251	(8,332)	(2)	(8,334)
Results on sale or disposal of investments in associates and joint ventures				27	14	41		41
Equity results in associates and joint ventures	627	28	(26)		(160)	469		469
Income taxes	(7,200)	294	62	56	(45)	(6,833)	248	(6,585)
<b>Net income (loss)</b>	<b>3,768</b>	<b>(302)</b>	<b>(356)</b>	<b>(2,536)</b>	<b>(166)</b>	<b>408</b>	<b>(2)</b>	<b>406</b>
Income (loss) attributable to noncontrolling interests	(42)	(35)	(58)	13	(56)	(178)		(178)
<b>Income (loss) attributable to Vale's stockholders</b>	<b>3,810</b>	<b>(267)</b>	<b>(298)</b>	<b>(2,549)</b>	<b>(110)</b>	<b>586</b>	<b>(2)</b>	<b>584</b>
<b>Sales classified by geographic area:</b>								
America, except United States and Brazil	733		1,045	60	10	1,848		1,848
United States of America	30		1,070		212	1,312		1,312
Europe	5,917	79	2,647	120		8,763		8,763
Middle East/Africa/Oceania	1,844	137	93	17	7	2,098		2,098
Japan	3,113	304	618			4,035		4,035
China	17,913	157	851			18,921		18,921
Asia, except Japan and China	2,340	316	883	61		3,600		3,600
Brazil	2,902	17	79	2,556	636	6,190	1,283	7,473
<b>Net operating revenue</b>	<b>34,792</b>	<b>1,010</b>	<b>7,286</b>	<b>2,814</b>	<b>865</b>	<b>46,767</b>	<b>1,283</b>	<b>48,050</b>

**d) Investment in associates and joint ventures, intangible and property, plant and equipment by geographic area**

December 31, 2015

December 31, 2014

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	Investments in associates and joint ventures	Intangible	Property, plant and equipment	Total	Investments in associates and joint ventures	Intangible	Property, plant and equipment	Total
Brazil	2,408	3,285	32,190	37,883	3,411	4,380	40,971	48,762
Canada	2	2,039	10,589	12,630	4	2,352	17,478	19,834
America, except Brazil and Canada	157		456	613	184		651	835
Europe			608	608			630	630
Asia	367		5,219	5,586	340		7,043	7,383
Australia			74	74		88	776	864
New Caledonia			3,521	3,521			4,140	4,140
Mozambique			442	442			5,376	5,376
Oman			1,003	1,003			1,057	1,057
Other regions	6			6	194			194
<b>Total</b>	<b>2,940</b>	<b>5,324</b>	<b>54,102</b>	<b>62,366</b>	<b>4,133</b>	<b>6,820</b>	<b>78,122</b>	<b>89,075</b>

Table of Contents**4. Relevant event Dam failure at Samarco Mineração S.A. ( Samarco )**

On November 5, 2015, Samarco experienced the failure of an iron ore tailings dam (Fundão) in the state of Minas Gerais - Brazil, which affected communities and ecosystems, including the Rio Doce river.

Following the dam failure, the state government of Minas Gerais ordered the suspension of Samarco's operations. Samarco has been working together with the authorities in order to meet the legal and social requirements to mitigate the environmental and social impacts of the event.

**a) Accounting effects at the investment due to the dam failure**

Samarco is a Brazilian entity jointly controlled by Vale and BHP Billiton Brasil Ltda. ( BHP ), in which each shareholder has a 50% ownership interest.

As a consequence of the dam failure, Samarco incurred expenses, wrote off assets and recognized provisions for remediation, which affected its balance sheet and income statement. Because Samarco is a joint venture, the effects of the dam failure are accounted for under equity method by Vale, in which the balance sheet and income statement impact is limited to Vale's interest in Samarco's capital as per the Brazilian Corporation Law. The dam failure had no effect on Vale's cash flow for the year ended December 31, 2015.

The accounting impact of the investment in Samarco in Vale's financial statements, including the effects of the dam failure, are as follows:

	Investments in associates and joint ventures	Accounts receivable	Related parties	Total
<b>Balance on December 31, 2014</b>	<b>200</b>	<b>24</b>	<b>310</b>	<b>534</b>
Equity results on income statement	(167)			(167)
Dividends received			(146)	(146)
Royalties declared		31		31
Royalties received		(12)		(12)
Transfers	125	(38)	(87)	
Impairment (note 15)	(132)			(132)
Translation adjustment	(26)	(5)	(77)	(108)

**Balance on December 31, 2015**

Under Brazilian legislation and the terms of the joint venture agreement, Vale does not have an obligation to provide funding to Samarco. Additionally, Vale has not received any requests for financial assistance from Samarco. As a result, Vale's investment in Samarco was reduced to zero and no liability was recognized in Vale's financial statements. The accounting impact of any future request for funding will be determined when it occurs.

**b) Social and environmental remediation** - In 2015, Samarco recognized provisions for social and environmental remediation based on current available information. There is a high degree of uncertainty in these provisions since the impact of environmental and social economic assessment is at an early stage. Eventual unrecognized obligations, considered as contingent liabilities, and future possible exposures, including timing of payments cannot be reliably measured. The key assumptions used in the provision will be reviewed periodically considering the assessment of damage progress, which could result in a material change to the amount of Samarco's provision in future reporting periods. In addition, the remediation activities have been submitted to the regulators and other government authorities and are still subject to their approval.

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c) **Contingencies** - In December 2015, the Federal Government, the States of Minas Gerais and Espirito Santo and other entities jointly brought a public civil action against Samarco and its shareholders, Vale and BHP. The plaintiffs seek approximately R\$20.2 billion in damages and a number of measures to remediate alleged damages caused by the Fundão dam failure. Due to the preliminary stage of the proceedings, it is not possible to provide a range of possible outcomes or a reliable estimate of potential future exposure for Vale in relation to this claim. In addition, Samarco and its shareholders are named as a defendant in several other lawsuits brought by individuals, corporations and governmental entities seeking damages for personal injury, wrongful death, commercial or economic injury, breach of contract and violations of statutes. Because these pending lawsuits are at the very early stages, it is not possible to determine a range of outcomes or reliable estimates of the potential exposure at this time. Therefore, no provision has been recognized and no contingent liability has been quantified.

Vale S.A. and certain of its officers have been named as defendants in civil class action suits in federal court in New York brought by holders of Vale's securities under U.S. federal securities laws. The lawsuits allege that Vale made false and misleading statements or omitted to make disclosures concerning the risks and dangers of the operations of Samarco's Fundão dam and assert other causes of action against the defendants for the ownership in and supervision of the Fundão dam. The plaintiffs have not specified an amount of alleged damages in these actions. Vale has notified its insurers of the dam failure event and related civil complaints. Vale intends to defend these actions and mount a full defense against the allegations. The litigation is at a very early stage. Service has not been completed on all defendants, no lead plaintiff or lead plaintiffs' attorney has been named, and no schedule has been established for the filing of any responses, motions or answers. As a consequence of the preliminary nature of these suits, it is not possible to determine a range of outcomes or reliable estimates of the potential exposure at this time, and no provision has been recognized.

d) **Insurance** - Samarco is negotiating with insurers under its operational risk, general liability and engineering risk policies, but these negotiations are still at a preliminary stage. Any payment of insurance proceeds will depend on the coverage definitions under these policies and assessment of the amount of loss. In light of the uncertainties, no indemnification was recognized in Samarco's financial statements.

## 5. Assets held for sale

	December 31, 2015		December 31, 2014	
	Nacala	Energy	Nacala	Total
<b>Assets held for sale</b>				
Accounts receivable	3		8	8
Other current assets	134		157	157
Investments in associates and joint ventures		88		88
Intangible assets, net	21			
Property, plant and equipment, net	3,886	477	2,910	3,387

<b>Total assets</b>	<b>4,044</b>	<b>565</b>	<b>3,075</b>	<b>3,640</b>
<b>Liabilities associated with assets held for sale</b>				
Suppliers and contractors	93		54	54
Other current liabilities	14		57	57
<b>Total liabilities</b>	<b>107</b>		<b>111</b>	<b>111</b>
<b>Net assets held for sale</b>	<b>3,937</b>	<b>565</b>	<b>2,964</b>	<b>3,529</b>

a) **Coal - Nacala logistic corridor ( Nacala )** - In December 2014, the Company signed an agreement with Mitsui & Co., Ltd. ( Mitsui ) to sell 50% of its stake of 70% in the Nacala corridor. Nacala is a combination of railroad and port concessions under construction located in Mozambique and Malawi. After completion of the transaction, Vale will share control of Nacala with Mitsui and therefore will not consolidate the assets, liabilities and results of those entities. The assets and liabilities were classified as assets held for sale with no impact in the income statement. As at December 2015, completion of the transaction remains dependent upon certain conditions. The Company remains committed to its plan to sell its 50% interest.

b) **Other - Energy generation assets** - In December 2013, the Company signed agreements with CEMIG Geração e Transmissão S.A. ( CEMIG GT ), as follows:

(i) A new entity Aliança Norte Participações S.A., was incorporated and Vale contributed its 9% investment in Norte Energia S.A. ( Norte Energia ), which is the company in charge of construction and operation of the Belo Monte Hydroelectric facility. Vale committed to sell 49% and share control of the new entity to CEMIG GT. In the first quarter of 2015, after receiving all regulatory approvals and other customary precedent conditions the Company concluded the transaction and received cash proceeds of US\$97, recognizing a gain of US\$18 as result on sale or disposal of investment in associates and joint ventures (note 6).

(ii) A new entity Aliança Geração de Energia S.A. ( Aliança Geração ) was incorporated and Vale committed to contribute its shares over several power generation assets which use to supply energy for the Company's operations. In exchange, CEMIG GT committed to contribute its stakes in some of its power generation assets. In the first quarter of 2015, after receiving all regulatory approvals and other customary precedent conditions, the exchange of assets was completed and Vale holds 55% and shares control of the new entity with CEMIG GT. A long term contract was signed between Vale and Aliança Geração for the energy supply. Due to the completion of this transaction, the Company (i) derecognized the assets held for sale related to this transaction; (ii) recognized as investment its share in the joint venture Aliança Geração; and (iii) recognized a gain of US\$193 as results on measurement or sales of non-current assets (note 6) based on the fair value of the assets transferred by CEMIG GT. This transaction has no cash proceeds or disbursements.

Table of Contents**6. Acquisitions and divestitures**

The effects of divestitures in the income statement are presented as follow:

	Year ended December 31		
	2015	2014	2013
<b>Results on measurement or sale of non-current assets</b>			
Shipping assets	(132)		
Energy generation assets (note 5)	193		
Mineral rights - CoW Indonesia (note 29(a))		(167)	
Sociedad Contractual Minera Tres Valles			(215)
	<b>61</b>	<b>(167)</b>	<b>(215)</b>
<b>Results on sale or disposal of investments in associates and joint ventures</b>			
Shandong Yankuang International Coking Co., Ltd.	79		
Energy generation assets (note 5)	18		
Vale Florestar Fundo de Investimento em Participações		(30)	
Log-in Logística Intermodal S.A.			14
Fosbrasil S.A.			27
	<b>97</b>	<b>(30)</b>	<b>41</b>
<b>Financial income</b>			
Norsk Hydro ASA			214
			<b>214</b>

**2015**

a) **Divestiture of participation in Minerações Brasileiras Reunidas S.A. ( MBR )** - The Company and Fundo de Investimento em Participações Multisetorial Plus II, whose shares are held by Banco Bradesco BBI S.A. (related party), completed the sale of class A preferred shares of MBR, representing 36.4% of its share capital. The Company received cash proceeds of R\$4 billion (US\$1,089) and will keep a stake of 62.5% of the total capital of MBR, maintaining its stake in ordinary capital at 98.3%. The participation and rights of the new shareholder were recognized as noncontrolling interest in stockholders equity.

b) **Divestiture of shipping assets** - The Company completed the sale of 12 very large ore carriers with capacity of 400,000 tons each. The Company received cash proceeds of US\$1,316 and recognized a loss of US\$132 as results on measurement or sale of non-current assets.

c) **Integra and Isaac Plains mining complexes** - The Company signed agreements to sell its participation in the Integra and Isaac Plains mining complexes which were put into care and maintenance in 2014 (note 15). The transaction had no impact in cash flow.

d) **Divestiture of Shandong Yankuang International Coking Co., Ltd. ( Yankuang )** - The Company completed the sale of its participation in Yankuang, a producer of coking coal, methanol and other products. In this transaction, Vale recognized a gain of US\$79 as results on sale or disposal of investments in associates and joint ventures.

e) **Divestiture of VBG-Vale BSGR Limited ( VBG )** - VBG is the holding company which held the Simandou mining rights located in Guinea. In April 2014, the Government of Guinea revoked VBG mining rights, without any finding of wrongdoing by Vale. During 2014, as a result of the loss of the mining rights, Vale recognized full impairment of the assets related to VBG (note 15). During the first quarter of 2015, the Company sold its stake in VBG to its partner in the project and kept the right to any recoverable amount it may derive from the Simandou project. The transaction had no impact on cash or in the income statement.

f) **Acquisition of Facon Construção e Mineração S.A. ( Facon )** - The Company acquired all shares of Facon, a wholly owned subsidiary of Fagundes Construção e Mineração S.A. ( FCM ). FCM is a logistic service provider for Vale Fertilizantes S.A. The Facon business was carved out from FCM with assets and liabilities directly related to the fertilizer business being transferred to Vale Fertilizantes S.A. The purchase price allocation based on the fair value of acquired assets and liabilities was calculated based on studies performed by the Company. Subsequently, Facon was merged into Vale Fertilizantes S.A.

Purchase price	90
Book value of property, plant and equipment	77
Book value of other assets acquired and liabilities assumed, net	(69)
Adjustment to fair value of property, plant and equipment and mining rights	43
<b>Goodwill</b>	<b>39</b>

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**2014**

**g) Divestiture of Vale Florestar Fundo de Investimento em Participações ( Vale Florestar )** - The Company signed an agreement with a subsidiary of Suzano Papel e Celulose S.A. for the sale of its entire stake in Vale Florestar. A loss on this transaction of US\$30 was recorded as a result on sale or disposal of investments in associates and joint ventures in 2014.

**2013**

**h) Divestitures of Sociedad Contractual Minera Tres Valles ( Tres Valles )** - The Company sold its total participation in Tres Valles for US\$25. On this transaction, Vale recognized a loss of US\$215 presented in the income statement as results on measurement or sale of non-current assets of the year ended as at December 31, 2013. The total loss includes an amount of US\$7 transferred from cumulative translation adjustments.

**i) Divestitures of Log-In Logística Intermodal S.A. ( Log-in )** - Vale conducted an auction to sell its common shares of Log-in. All the shares were sold for US\$94 and a gain of US\$14 on this transaction was recorded in the income statement as result on sale or disposal of investments in associates and joint ventures for the year ended as at December 31, 2013.

**j) Divestitures of Fosbrasil S.A. ( Fosbrasil )** - The Company entered into an agreement to sale its minority participation in the associate Fosbrasil, producer of purified phosphoric acid, for US\$45. On this transaction, Vale recognized a gain of US\$27 presented in the income statement as result on sale or disposal of investments in associates and joint ventures for the year ended as at December 31, 2013.

**k) Divestitures of Norsk Hydro ASA ( Hydro )** - The Company sold its Hydro common shares for US\$1,811. As result of this operation, the Company recognized a gain of US\$214 in the income statement as financial income for the year ended as at December 31, 2013, as below:

Balance on the date of sale	1,845
Cumulative translation adjustment	(442)
Results on available for sale investment	194
	<b>1,597</b>
Amount received	1,811
<b>Gain on sale</b>	<b>214</b>

## 7. Cash and cash equivalents

	December 31, 2015	December 31, 2014
Cash and bank deposits	2,018	2,109
Short-term investments	1,573	1,865
	<b>3,591</b>	<b>3,974</b>

Cash and cash equivalents includes cash, immediately redeemable deposits and short-term investments with an insignificant risk of change in value. They are readily convertible to cash, part in R\$, indexed to the Brazilian Interbank Interest rate ( DI Rate or CDI ) and part denominated in US\$, mainly time deposits.

Table of Contents**8. Accounts receivable**

	December 31, 2015	December 31, 2014
Trade receivables	1,534	3,362
Provision for doubtful debts	(58)	(87)
	<b>1,476</b>	<b>3,275</b>
Trade receivables related to the steel sector - %	75.32%	77.79%
Reversal (provision) for doubtful debts recorded in the income statement	11	(36)
Trade receivables write-offs recorded in the income statement	(6)	(5)

Trade receivables by segments are presented in note 3(b). No individual customer represents over 10% of receivables or revenues.

**9. Inventories**

	December 31, 2015	December 31, 2014
Product inventory	2,553	3,330
Consumable inventory	975	1,171
<b>Total</b>	<b>3,528</b>	<b>4,501</b>

Product inventories by segments are presented in note 3(b).

As at December 31, 2015 product inventory is stated net of provisions for nickel, coal, phosphate, manganese and iron ore in the amount of US\$70 (US\$19 as at December 31, 2014), US\$423 (US\$285 as at December 31, 2014), US\$2 (US\$0 as at December 31, 2014), US\$4 (US\$0 as at December 31, 2014) and US\$19 (US\$0 as at December 31, 2014), respectively.

Table of Contents**10. Recoverable taxes**

Recoverable taxes are presented net of provisions for losses on tax credits.

	December 31, 2015	December 31, 2014
Value-added tax	755	1,057
Brazilian federal contributions	1,125	1,010
Others	25	34
<b>Total</b>	<b>1,905</b>	<b>2,101</b>
Current	1,404	1,700
Non-current	501	401
<b>Total</b>	<b>1,905</b>	<b>2,101</b>

**11. Investments in associates and joint ventures**

Changes in investments in associates and joint ventures are as follows:

	2015	2014	2013
<b>Balance at beginning of the year</b>	<b>4,133</b>	<b>3,584</b>	<b>6,384</b>
Acquisitions (i)	584		
Additions	30	220	378
Capitalizations	249		
Disposals (ii)	79		(98)
Translation adjustment	(1,211)	(536)	(582)
Equity results on income statement	(439)	505	469
Equity results on statement of comprehensive income and others	(6)	(2)	(204)
Dividends declared	(95)	(831)	(747)
Impairment (note 15)	(446)	(31)	
Transfer to held for sale - Others (iii)		1,145	(2,016)
Others	62	79	
<b>Balance at end of the year</b>	<b>2,940</b>	<b>4,133</b>	<b>3,584</b>

(i) Includes Aliança Geração transaction, see note 5.

(ii) Refers to Yankuang, see note 6, for the year ended December 31, 2015.

(iii) Refers to Vale Florestar and VLI for the year ended as at December 31, 2014 and Hydro for the year ended as at December 31, 2013.

Table of Contents**Investments in associates and joint ventures (continued)**

Associates and joint ventures	% ownership	% voting capital	Investments in associates and joint ventures			Equity results in net income			Dividends received		
			As at December 31 2015	2014	2013	Year ended December 31 2015	2014	2013	Year ended December 31 2015	2014	2013
<b>Ferrous minerals</b>											
Baovale Mineração S.A.	50.00	50.00	24	16		4	(7)			1	
Companhia Coreano-Brasileira de Pelotização	50.00	50.00	62	86	25	30	18	19	16	22	
Companhia Hispano-Brasileira de Pelotização (i)	50.89	51.00	57	80	14	24	1	16	11	10	
Companhia Ítalo-Brasileira de Pelotização (i)	50.90	51.00	50	61	21	25	7	14	5		
Companhia Nipo-Brasileira de Pelotização (i)	51.00	51.11	104	142	46	66	19	30	48	24	
Minas da Serra Geral S.A. (v)	50.00	50.00	13	20	(2)	1					
MRS Logística S.A.	48.16	46.75	368	510	43	76	101	22	44	63	
Samarco Mineração S.A. (iv)	50.00	50.00		200	(167)	392	499	146	401	595	
VLI S.A.	37.60	37.60	778	1,109	46	48		8			
Zhuhai YPM Pellet Co.	25.00	25.00	23	24							
Others						(1)	(11)				
			<b>1,479</b>	<b>2,248</b>	<b>26</b>	<b>665</b>	<b>627</b>	<b>255</b>	<b>525</b>	<b>715</b>	
<b>Coal</b>											
Henan Longyu Energy Resources Co., Ltd.	25.00	25.00	306	355	(3)	32	42	28	29	40	
<b>Base metals</b>											
Korea Nickel Corp.	25.00	25.00	17	21	(3)		(2)				
Teal Minerals Inc.	50.00	50.00		194	(129)	(35)	(24)				
			<b>17</b>	<b>215</b>	<b>(132)</b>	<b>(35)</b>	<b>(26)</b>				
<b>Others</b>											
Aliança Geração de Energia S.A. (i)	55.00	55.00	481		50			30			
Aliança Norte Energia Participações S.A. (i)	51.00	51.00	81		1						
California Steel Industries, Inc.	50.00	50.00	157	184	(27)	12	20		6	6	
Companhia Siderúrgica do Pecém (ii)	50.00	50.00	225	725	(307)	(44)	(10)				
Mineração Rio Grande do Norte S.A.	40.00	40.00	93	91	40	7	10	3	8	17	
Norte Energia S.A. (ii) (iii)				91		(11)	(2)				
Thyssenkrupp Companhia Siderúrgica do Atlântico Ltd.	26.87	26.87		205	(80)	(60)	(158)				
Others			101	19	(7)	(61)	(34)	2		56	
			<b>1,138</b>	<b>1,315</b>	<b>(330)</b>	<b>(157)</b>	<b>(174)</b>	<b>35</b>	<b>14</b>	<b>79</b>	

<b>Total</b>	<b>2,940</b>	<b>4,133</b>	<b>(439)</b>	<b>505</b>	<b>469</b>	<b>318</b>	<b>568</b>	<b>834</b>
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- (i) Although the Company held majority of the voting capital, the entities are accounted under equity method due to shareholders agreements.
  - (ii) Pre-operational stage.
  - (iii) The Company's interest in Norte Energia S.A. is indirectly owned by Aliança Norte Energia Participações S.A. (note 5).
  - (iv) Note 4.
  - (v) The Company offered US\$17 to acquire the additional 50% interest. The transaction is expected to be completed in 2016.

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The information (100% basis) about relevant subsidiaries with noncontrolling interest (in which other investors have participation in the Group's activities), associates and joint-ventures are as follows:

	Assets		Liabilities		Stockholders equity	Dividends paid	Net income (loss)
	Current	Non-current	Current	Non-current			
<b>December 31, 2015</b>							
<b>Subsidiaries that have noncontrolling interest</b>							
Minerações Brasileiras Reunidas S.A.	743	2,912	188	155	3,312	116	250
<b>Associates and joint ventures</b>							
Aliança Geração de Energia S.A.	65	915	35	71	874	55	91
Companhia Siderúrgica do Pecém	265	3,057	528	2,344	450		(615)
Henan Longyu Energy Resources Co., Ltd.	883	529	108	80	1,224	112	(11)
MRS Logística S.A.	323	1,709	392	877	764	37	90
VLI S.A.	502	2,970	511	893	2,069	23	121

	Assets		Liabilities		Stockholders equity	Dividends paid	Net income (loss)
	Current	Non-current	Current	Non-current			
<b>December 31, 2014</b>							
<b>Subsidiaries that have noncontrolling interest</b>							
Minerações Brasileiras Reunidas S.A.	433	2,544	245	404	2,328		150
<b>Associates and joint ventures</b>							
Henan Longyu Energy Resources Co., Ltd.	1,149	484	65	148	1,420	116	128
MRS Logística S.A.	305	2,397	415	1,215	1,072	61	160
VLI S.A.	733	3,383	643	523	2,950		128

**12. Noncontrolling interest**

Stockholders equity		Gain (loss) attributable to noncontrolling interest		
Balance on		Year ended December 31		
December 31, 2015	December 31, 2014	2015	2014	2013

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Biopalma da Amazônia S.A.	6	34	(22)	(35)	(43)
Compañia Mineradora Miski Mayo S.A.C.	261	283	10	4	13
Minerações Brasileiras Reunidas S.A.	1,360	39	(66)	(3)	1
PT Vale Indonesia Tbk	741	736	6	65	18
Vale Nouvelle Calédonie S.A.S.	55	176	(301)	(348)	(68)
Vale Oman Pelletizing LLC	67	67	7	7	12
Outros	(375)	(136)	(125)	6	(111)
	<b>2,115</b>	<b>1,199</b>	<b>(491)</b>	<b>(304)</b>	<b>(178)</b>

Table of Contents**13. Intangibles**

Changes in intangibles are as follows:

	Indefinite useful life		Finite useful life		Total
	Goodwill (i)	Concessions	Right of use (ii)	Software	
<b>Balance on December 31, 2013</b>	<b>4,140</b>	<b>1,907</b>	<b>253</b>	<b>571</b>	<b>6,871</b>
Additions		835	102	252	1,189
Disposals		(6)			(6)
Amortization		(202)	(31)	(174)	(407)
Impairment (note 15)	(460)				(460)
Translation adjustment	(411)	(321)	(27)	(99)	(858)
Others	491				491
<b>Total</b>	<b>3,760</b>	<b>2,213</b>	<b>297</b>	<b>550</b>	<b>6,820</b>
Cost	3,760	3,421	518	1,356	9,055
Accumulated amortization		(1,208)	(221)	(806)	(2,235)
<b>Balance on December 31, 2014</b>	<b>3,760</b>	<b>2,213</b>	<b>297</b>	<b>550</b>	<b>6,820</b>
Additions		549		128	677
Disposals		(20)			(20)
Amortization		(150)	(42)	(155)	(347)
Impairment (note 15)	(81)				(81)
Translation adjustment	(762)	(778)	(48)	(176)	(1,764)
Acquisition of subsidiary (note 6(f))	39				39
<b>Total</b>	<b>2,956</b>	<b>1,814</b>	<b>207</b>	<b>347</b>	<b>5,324</b>
Cost	2,956	2,588	464	1,025	7,033
Accumulated amortization		(774)	(257)	(678)	(1,709)
<b>Balance on December 31, 2015</b>	<b>2,956</b>	<b>1,814</b>	<b>207</b>	<b>347</b>	<b>5,324</b>

(i) Goodwill is allocated mainly in iron ore and nickel segments in the amount of US\$1,040 e US\$1,863, respectively.

(ii) Refers to the usufruct contract between the Company and noncontrolling stockholders to use the shares of Empreendimentos Brasileiros de Mineração S.A. (owner of Minerações Brasileiras Reunidas S.A. shares) and intangible assets identified in the business combination of Vale Canada Limited ( Vale Canada ). The amortization of the right of use will expire in 2037 and Vale Canada s intangible assets will end in September of 2046. The concessions refer to the agreements with the Brazilian government for the exploration and the development of ports and railways.

**14. Property, plant and equipment**

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The net book value of property, plant and equipment pledged to secure judicial claims on December 31, 2015 and 2014 were US\$44 and US\$68, respectively.

Changes in property, plant and equipment are as follows:

	Land	Building	Facilities	Equipment	Mineral properties	Others	Constructions in progress	Total
<b>Balance on December 31, 2013</b>	<b>945</b>	<b>7,785</b>	<b>10,937</b>	<b>8,404</b>	<b>16,276</b>	<b>10,519</b>	<b>26,799</b>	<b>81,665</b>
Additions (i)							12,054	12,054
Disposals (ii)	(3)	(50)	(10)	(9)	(264)	(28)	(232)	(596)
Depreciation and amortization		(454)	(818)	(1,025)	(1,083)	(723)		(4,103)
Transfer to non-current assets held for sale			(10)	(49)	(85)	(2)	(2,764)	(2,910)
Impairment (note 15)		533	(47)	112	(1,255)	(18)	(17)	(692)
Translation adjustment	(75)	(1,412)	(2,407)	(992)	(132)	(1,238)	(1,040)	(7,296)
Transfers	202	5,252	3,168	2,846	1,472	2,444	(15,384)	
<b>Total</b>	<b>1,069</b>	<b>11,654</b>	<b>10,813</b>	<b>9,287</b>	<b>14,929</b>	<b>10,954</b>	<b>19,416</b>	<b>78,122</b>
Cost	1,069	14,144	15,749	14,381	20,965	14,888	19,416	100,612
Accumulated depreciation		(2,490)	(4,936)	(5,094)	(6,036)	(3,934)		(22,490)
<b>Balance on December 31, 2014</b>	<b>1,069</b>	<b>11,654</b>	<b>10,813</b>	<b>9,287</b>	<b>14,929</b>	<b>10,954</b>	<b>19,416</b>	<b>78,122</b>
Additions (i)							9,499	9,499
Disposals	(3)	(8)	(41)	(81)	(152)	(1,554)	(22)	(1,861)
Disposal of asset retirement obligation					(334)			(334)
Depreciation and amortization		(547)	(713)	(1,066)	(864)	(766)		(3,956)
Transfer to non-current assets held for sale					(127)			(127)
Impairment (note 15)	(13)	(1,828)	(838)	(1,100)	(982)	(1,979)	(1,748)	(8,488)
Translation adjustment	(292)	(3,383)	(3,182)	(1,846)	(2,404)	(2,439)	(5,327)	(18,873)
Transfers	5	3,213	2,253	2,112	238	2,871	(10,692)	
Acquisition of subsidiary (note 6(f))				1		119		120
<b>Total</b>	<b>766</b>	<b>9,101</b>	<b>8,292</b>	<b>7,307</b>	<b>10,304</b>	<b>7,206</b>	<b>11,126</b>	<b>54,102</b>
Cost	766	13,707	13,152	12,230	17,054	10,617	11,126	78,652
Accumulated depreciation		(4,606)	(4,860)	(4,923)	(6,750)	(3,411)		(24,550)
<b>Balance on December 31, 2015</b>	<b>766</b>	<b>9,101</b>	<b>8,292</b>	<b>7,307</b>	<b>10,304</b>	<b>7,206</b>	<b>11,126</b>	<b>54,102</b>

(i) Includes capitalized borrowing costs and asset retirement obligations, see cash flow.

(ii) Includes the disposal of CoW Indonesia (note 29(a)).

Table of Contents**15. Impairment and onerous contracts**

According to the accounting policy described in note 31(l), the Company identified evidence of impairment in relation to certain investments in associates and joint ventures, intangible and property, plant and equipment. The following impairment charges and reversals were recorded:

Segments by class of assets	Assets or cash-generating unit	Recoverable amount	Impairment (reversals)		
			2015	2014	2013
<b>Property, plant and equipment</b>					
Iron ore	Midwest system		522		
Iron ore	Simandou project			1,135	
Iron ore	Others		34		
Pellets	North system (stopped operations)		55		
Pellets	Pelletizing asset				182
Pellets	Others		3		
Other ferrous products and services	Others		21		
Coal	Mozambique	1,729	2,403		
Coal	Australia	74	554	343	
Nickel	Newfoundland (VNL)	2,353	3,460		
Nickel	New Caledonia (VNC)	3,725	1,462	238	
Nickel	Onça Puma	2,331	(252)	(1,617)	
Nickel	Others		26		
Copper	Others		36		
Potash	Potássio Rio Colorado	20	548		2,116
Phosphates	Phosphate	3,842	(391)	593	
Others	Others		7		
			<b>8,488</b>	<b>692</b>	<b>2,298</b>
<b>Intangible</b>					
Coal	Australia		81		
Phosphates	Phosphate			460	
			<b>8,569</b>	<b>1,152</b>	<b>2,298</b>
<b>Onerous contracts</b>					
Iron ore	Midwest system		357		
			<b>8,926</b>	<b>1,152</b>	<b>2,298</b>
<b>Investments in associates and joint ventures</b>					
Pellets	Samarco Mineração S.A.		132		
Copper	Teal Minerals Inc.		314		
Others	Vale Soluções em Energia S.A.			31	
			<b>446</b>	<b>31</b>	

**a) Impairment of non-current assets**

In accordance with the Company's accounting policy, each CGU is evaluated at each reporting period to determine whether there are any indicators of impairment. If any such indicators of impairment exist, an estimate of the recoverable amount is performed.

In assessing whether an impairment is required, the carrying value of the asset or CGU is compared with its recoverable amount. The recoverable amount is the higher of the CGU's fair value less costs to sell ( FVLCS ) and value in use ( ViU ). If an impairment was recognized in previous years and actual circumstances indicate that the impairment is no longer applicable, an impairment reversal is recognized.

The FVLCS is calculated in each CGU and is estimated based on discounted future estimated cash flows, considering market based commodity price, the CGU five-year plans and life of mine plans, mineral reserves and mineral resources, costs and investments based on the best estimate of past performance and sale prices consistent with the projections used in reports published by industry considering the market price when available and appropriate.

The determination of FVLCS for each CGU are considered to be Level 3 fair value measurements, as they are derived from valuation techniques that include inputs that are not based on observable market data. The most sensitive assumptions were the discount rate and prices. All assets were tested using FVLCS model, except for North system.

These cash flows were discounted using a post-tax discount rate ranging from 6% to 10%. The discount rate was based on the weighted average cost of capital ( WACC ) that reflected current market assessments of the time value of money and the risks specific to the CGU.

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The price assumptions for calculating the FVLCS were a range of (in US\$ per ton) 48 to 65 for iron ore, 85 to 140 for coal, 13,000 to 20,000 for nickel and 105 to 125 for phosphate.

**Iron ore and pellets** - The Midwest system is comprised of the Corumbá mines and Paraná and Paraguay Waterway Systems. In 2015, there was a significant restructuring of operations, which includes the reduction of production and the revision of the freight strategy. With this restructuring, the Midwest system is evaluated as an independent CGU from other iron ore operations. Until 2014, this CGU was part of the iron ore CGU. The reduction of iron ore prices and the logistics cost lead to an impairment of US\$522. The impairment in the amount of US\$55 relates to pelletizing plants that were stopped in North system.

For the Simandou project, Vale recognized an impairment of US\$1,135 in 2014 related to the revocation of Vale's former 51%-owned subsidiary VBG-Vale BSGR Limited ( VBG ) mining concessions in Guinea. During the first quarter of 2015, the investment was sold (note 6(e)).

For onerous contracts, provision is made for the present value of certain long term contracts where the unavoidable cost of meeting the Company's obligations is expected to exceed the benefits to be received. In 2015, the Company recognized provision for losses related to fluvial freight in the amount of US\$357 in other liabilities in the balance sheet.

**Coal** - The reduction in estimated future coal prices combined with the increase of logistics costs decreased the estimated net recoverable amount of Mozambique assets, causing an impairment of US\$2,403. The Coal assets in Australia were also impacted by the prices and the revision to the future mining plans in 2015, recording an impairment of US\$635. The impairment of US\$343 registered in 2014 relates to Integra and Isaac Plans which were sold during the fourth quarter of 2015.

**Nickel** - During the impairment test for 2015, the Company identified that the indicators which caused an impairment to be recognized in previous years for Onça Puma were no longer applicable. This was mainly due to the recovery of Onça Puma's production returning to normal operations for more than two years. Part of the impairment in the amount of US\$1,617 registered in 2012 was reversed in 2014. The amount of US\$252 was reversed in 2015.

In 2015, VNL was identified as a separate CGU (previously part of the Canada Nickel CGU) as there was a change in location of processed ore (feed of nickel concentrate) from VNL mine, that is now expected to be processed in Long Harbor instead of Ontario's Sudbury Operations.

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A reduction of long term nickel price projections, that significantly reduced the recoverable values of the VNC and VNL CGUs, combined with carrying values that reflect significant capital investments in new processing facilities in recent years, resulted in an impairment loss in the amount of US\$4,922 for these CGU.

Of the total goodwill (note 13), US\$1,863 is allocated to the Nickel CGUs which was tested based on FVLCS determined using cash flows based on approved budgets and market assumptions, considering mineral reserves and resources and additional value calculated by experts, costs and investments based on the best estimate of past performance and sales nickel prices using a range from 13,000 to 20,000 (US\$ per ton). Cash flows used are designed based on the life of each CGU and considering a discount rates range from 6% to 8%.

**Fertilizers** - The scenario of depreciation of the R\$ against the US\$ had a favorable impact on the phosphate business in Brazil in 2015, reverting the total amount of the impairment that was previously recognized during 2014 in the amount of US\$391.

The majority of the remaining balance of the assets in PRC were impaired in 2015 as the management does not expect to be able to recover the amounts invested in the project. An impairment charge of US\$548 and US\$2,116 was recognized in 2015 and 2013, respectively.

### **b) Impairment of investments in associates and joint ventures**

In 2015, the Company recognized an impairment of US\$132 in its investment in Samarco (note 4) and US\$314 in Teal Minerals Inc. ( Teal ). Teal recognized an impairment of property, plant and equipment due to the revision of future mining plans and the decrease of the price of copper.

Table of Contents**16. Loans and borrowings****a) Total debt**

	Current liabilities		Non-current liabilities	
	December 31, 2015	December 31, 2014	December 31, 2015	December 31, 2014
<b>Debt contracts in the international markets</b>				
<b>Floating rates in:</b>				
US\$	241	358	5,174	5,095
Others currencies				2
<b>Fixed rates in:</b>				
US\$	1,191	69	12,923	13,239
EUR			1,633	1,822
Others currencies	14		169	
<b>Accrued charges</b>	326	334		
	<b>1,772</b>	<b>761</b>	<b>19,899</b>	<b>20,158</b>
<b>Debt contracts in Brazil</b>				
<b>Floating rates in:</b>				
R\$, indexed to TJLP, TR, IPCA, IGP-M and CDI	212	296	4,709	5,503
Basket of currencies and US\$ indexed to LIBOR	290	211	1,342	1,364
<b>Fixed rates in:</b>				
R\$	63	48	268	363
<b>Accrued charges</b>	169	103	129	
	<b>734</b>	<b>658</b>	<b>6,448</b>	<b>7,230</b>
	<b>2,506</b>	<b>1,419</b>	<b>26,347</b>	<b>27,388</b>

The future flows of debt payments (principal and interest) per nature of funding are as follows:

	Bank loans (i)	Capital market (i)	Development agencies (i)	Debt principal (i)	Estimated future payments of interest (ii)
2016	262	951	799	2,012	1,476
2017	991	1,212	918	3,121	1,512
2018	1,719	816	1,058	3,593	1,553
2019	578	1,000	1,239	2,817	1,446
2020	1,553	1,282	808	3,643	1,222
2021	289	77	822	1,188	1,089
Between 2022 and 2025	973	3,276	912	5,161	2,801
2026 onwards	88	6,482	124	6,694	6,294

	6,453	15,096	6,680	28,229	17,393
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(i) Does not include accrued charges.

(ii) Consists of estimated future payments of interest, calculated based on interest rate curves and foreign exchange rates applicable as at December 31, 2015 and considering that all amortization payments and payments at maturity on loans and borrowings will be made on their contracted payments dates. The amount includes the estimated values of future interest payments (not yet accrued), in addition to interest already recognized in the financial statements.

At December 31, 2015, the average annual interest rates by currency are as follows:

	Average interest rate (i)	Total debt
<b>Loans and borrowings in</b>		
US\$	4.63%	21,431
R\$ (ii)	10.78%	5,541
EUR (iii)	4.06%	1,698
Others currencies	5.94%	183
		<b>28,853</b>

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(i) In order to determine the average interest rate for debt contracts with floating rates, the Company used the last renegotiated rate at December 31, 2015.

(ii) R\$ denominated debt that bears interest at IPCA, CDI, TR or TJLP, plus spread. For a total of US\$3,772, the Company entered into derivative transactions to mitigate the exposure to the cash flow variations of the floating rate debt denominated in R\$, resulting in an average cost of 2.07% per year in US\$.

(iii) Eurobonds, for which the Company entered into derivatives to mitigate the exposure to the cash flow variations of the debt denominated in EUR, resulting in an average cost of 4.41% per year in US\$.

Table of Contents**b) Credit and financing lines**

Type	Contractual currency	Date of agreement	Period of the agreement	Total amount	Available amount December 31, 2015
<b>Credit lines</b>					
Revolving credit facility	US\$	May 2015	5 years	3,000	3,000
Revolving credit facility	US\$	July 2013	5 years	2,000	2,000
<b>Financing lines</b>					
BNDES (i)	R\$	April 2008	10 years	1,869	365
BNDES - CLN 150	R\$	September 2012	10 years	994	5
BNDES - S11D e S11D Logística	R\$	May 2014	10 years	1,578	384

(i) Memorandum of understanding signature date, however term is considered from the signature date of each contract amendment. This credit line supported or supports the Usina VIII, Onça Puma, Salobo I and II and capital expenditure of Itabira projects.

In January 2016 (subsequent event), the Company drew down on US\$3,000 of its revolving credit facilities. The amount of US\$1,800 was drew down on by Vale International S.A. and US\$1,200 (R\$4,686) by the Parent Company.

**c) Funding**

In 2015, Vale issued infrastructure debentures in the amount of R\$1,350 (US\$346) and export credit notes in the amount of R\$1,500 (US\$384).

**d) Guarantees**

As at December 31, 2015 and 2014, loans and borrowings are secured by property, plant and equipment and receivables in the amount of US\$495 and US\$1,312, respectively.

The securities issued through Vale's 100%-owned finance subsidiary Vale Overseas Limited are fully and unconditionally guaranteed by Vale.

**e) Covenants**

Some of the Company's debt agreements with lenders contain financial covenants. The main covenants in those agreements require maintaining certain ratios, such as debt to EBITDA (Earnings before Interest Taxes, Depreciation and Amortization) and interest coverage. The Company has not identified any instances of noncompliance as at December 31, 2015 and 2014.

Table of Contents**17. Asset retirement obligations**

The Company applies judgment and assumptions when measuring its asset retirement obligation. The accrued amounts of these obligations are not deducted from the potential costs covered by insurance or indemnities.

The long term interest rates (per annum, used to discount these obligations to present value and to update the provisions) and the changes in the provision of asset retirement obligations are as follows:

	December 31, 2015	December 31, 2014
<b>Balance at beginning of the year</b>	<b>3,369</b>	<b>2,644</b>
Interest expense	109	193
Settlements	(88)	(41)
Revisions on cash flows estimates (i)	(135)	842
Translation adjustment	(781)	(269)
<b>Balance at end of the year</b>	<b>2,474</b>	<b>3,369</b>
Current	89	136
Non-current	2,385	3,233
	<b>2,474</b>	<b>3,369</b>
Brazil	7.28%	5.51%
Canada	0.59%	2.05%
Other regions	1.12% - 5.91%	1.61% - 8.81%

(i) Includes only the impacts in operating expenses and property, plant and equipment

**18. Litigation****a) Provision for litigation**

Vale is party to labor, civil, tax and other ongoing lawsuits, at administrative and court levels. Provisions for losses resulting from lawsuits are estimated and updated by the Company, based on analysis from the Company's legal consultants.

Changes in provision for litigation are as follows:

	Tax litigation	Civil litigation	Labor litigation	Environmental litigation	Total of litigation provision
<b>Balance on December 31, 2013</b>	<b>330</b>	<b>209</b>	<b>709</b>	<b>28</b>	<b>1,276</b>
Additions	103	54	237	32	426
Reversals	(2)	(104)	(133)	(13)	(252)
Payments	(37)	(20)	(48)		(105)
Indexation and interest	136	(6)	52	52	234
Translation adjustment	(164)	(15)	(111)	(7)	(297)
<b>Balance on December 31, 2014</b>	<b>366</b>	<b>118</b>	<b>706</b>	<b>92</b>	<b>1,282</b>
Additions	182	82	168		432
Reversals	(202)	(56)	(139)	(4)	(401)
Payments	(50)	(40)	(65)	(59)	(214)
Indexation and interest	52	13	7	3	75
Translation adjustment	(79)	(38)	(223)	(12)	(352)
<b>Balance on December 31, 2015</b>	<b>269</b>	<b>79</b>	<b>454</b>	<b>20</b>	<b>822</b>

**i. Provisions for labor litigation**

Consist of lawsuits filed by employees and service suppliers, related to employment relationships. The most recurring claims are related to payment of overtime, hours in itinerary, and health and safety. The social security ( INSS ) contingencies are related to legal and administrative disputes between INSS and Vale due to applicability of compulsory social security charges.

Table of Contents**b) Contingent liabilities**

Contingent liabilities consist of administrative and judicial claims, which expectation of loss is classified as possible, and for which the recognition of a provision is not considered necessary by the Company, based on legal support.

	December 31, 2015	December 31, 2014
Tax litigation	5,326	6,094
Civil litigation	1,335	1,406
Labor litigation	1,866	1,955
Environmental litigation	1,381	1,122
<b>Total</b>	<b>9,908</b>	<b>10,577</b>

**i. Tax litigation** - The most significant claims relate to pending challenges by the Brazilian federal tax authority concerning the deductibility of Brazilian social contribution payments for income tax purposes and demands by Brazilian state tax authorities for additional payments of the value-added tax on services and circulation of goods ( ICMS ) in relation to the use of ICMS credits from sales and energy transmission.

**ii. Civil litigation** - Most of these claim have been filed by suppliers for indemnification under construction contracts, primarily relating to certain alleged damages, payments and contractual penalties. A number of other claims involve disputed contractual terms for inflation indexation.

**iii. Labor litigation** - These claims represent a very large number of individual claims by (i) employees and service providers, primarily involving demands for additional compensation for overtime work, time spent commuting or health and safety conditions; and (ii) the Brazilian federal social security administration ( INSS ) regarding contributions on compensation programs based on profits.

**iv. Environmental litigation** - The most significant claims concern alleged procedural deficiencies in licensing processes, non-compliance with existing environmental licenses or damage to the environment.

e) **Judicial deposits** - In addition to the provisions and contingent liabilities, the Company is required by law to make judicial deposits to secure a potential adverse outcome of certain lawsuits. These court-ordered deposits are monetarily adjusted and reported as non-current assets until a judicial decision to draw the deposit occurs.

	December 31, 2015	December 31, 2014
Tax litigations	211	354
Civil litigations	102	126
Labor litigations	553	789
Environmental litigations	16	
<b>Total</b>	<b>882</b>	<b>1,269</b>

d) **Others**

In the third quarter of 2015, the Company filed an enforceable action in the amount of R\$524 (US\$132) referring to the final court decision in favor of the Company of the accrued interest of compulsory deposits from 1987 to 1993. Currently it is not possible to estimate the economic benefit inflow as the counterparty can appeal on the calculation. Consequently, the asset was not recognized in the financial statements.

On April 30, 2014, Rio Tinto plc ( Rio Tinto ) filed a lawsuit against Vale, BSGR, and other defendants in the United States District Court for the Southern District of New York ( Court ), alleging violations of the U.S. Racketeer Influenced and Corrupt Organizations Act (RICO) in relation to Rio Tinto's loss of certain Simandou mining rights, the Government of Guinea's assignment of those rights to BSGR, and Vale's subsequent investment in VBG. In November, 2015 Vale received the decision of the Court, which was for the dismissal of the lawsuit.

Table of Contents**19. Income taxes - Settlement program ( REFIS )**

In November 2013, the Company elected to participate in the REFIS, a federal tax settlement program, to settle most of the claims related to the collection of income tax and social contribution on equity gains of foreign subsidiaries and affiliates from 2003 to 2012.

In December 31, 2015, the balance of US\$4,430 (US\$345 as current and US\$4,085 as non-current) is due in 154 remaining monthly installments, bearing interest at the SELIC rate.

**20. Income taxes****a) Deferred income tax**

	December 31, 2015	December 31, 2014
<b>Taxes losses carryforward</b>	<b>6,449</b>	<b>1,637</b>
<b>Temporary differences:</b>		
Pension plan	541	671
Provision for litigation	228	365
Provision for losses of assets	719	937
Fair value of financial instruments	823	1,341
Allocated goodwill	(2,578)	(4,831)
Others	52	515
	<b>(215)</b>	<b>(1,002)</b>
<b>Total</b>	<b>6,234</b>	<b>635</b>
Assets	7,904	3,976
Liabilities	(1,670)	(3,341)
	<b>6,234</b>	<b>635</b>

Changes in deferred tax are as follows:

Assets	Liabilities	Total
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<b>Balance on December 31, 2013</b>	<b>4,523</b>	<b>3,228</b>	<b>1,295</b>
Effect in income statement	(31)	118	(149)
Transfers (including between assets and liabilities)	(102)	331	(433)
Translation adjustment	(452)	(292)	(160)
Other comprehensive income	38	(44)	82
<b>Balance on December 31, 2014</b>	<b>3,976</b>	<b>3,341</b>	<b>635</b>
Effect in income statement (i)	4,180	(1,309)	5,489
Transfers (including between assets and liabilities)	141	141	
Translation adjustment	(1,296)	(517)	(779)
Other comprehensive income	914	14	900
Acquisition of subsidiary	(11)		(11)
<b>Balance on December 31, 2015</b>	<b>7,904</b>	<b>1,670</b>	<b>6,234</b>

(i) From the total effect in the income statement US\$4,671 refers to tax losses carryforward.

Brazilian corporate tax law was amended at the end of 2014 by the Law 12,973 and became effective for the fiscal year 2015. The change was to provide that profits from foreign subsidiaries will be taxed in Brazil, on an accrual basis, applying the differential between the nominal local tax rate and the Brazilian tax rates (34%). Accordingly, from January 1st, 2015 the results from foreign subsidiaries are recognized in this systematic.

In accordance with paragraph 77 of the referred law, the accumulated losses of those subsidiaries, as at December 31, 2014, will be available to offset their future profits. On September 30, 2015, the Company filed the tax return and completed the review of the income tax loss carry-forwards available in each foreign subsidiary as at December 31, 2014. Accordingly, a deferred tax asset related to accumulated losses in certain of those foreign subsidiaries of US\$2,952 was recognized as deferred income tax in the income statement.

Table of Contents**b) Income tax reconciliation**

The total amount presented as income taxes in the income statement is reconciled to the rate established by law, as follows:

	Year ended December 31		
	2015	2014	2013
<b>Net income (loss) before income taxes</b>	<b>(17,720)</b>	<b>1,553</b>	<b>7,241</b>
<b>Income taxes at statutory rates - 34%</b>	<b>6,024</b>	<b>(528)</b>	<b>(2,462)</b>
<b>Adjustments that affect the basis of taxes:</b>			
Income tax benefit from interest on stockholders' equity	356	1,123	1,167
Tax incentives	61	95	
Results of overseas companies taxed by different rates which differs from the parent company rate		(1,200)	146
Equity results in income statement	(149)	172	173
Income taxes statement program - REFIS			(4,954)
Additions (reversals) of tax loss carry forward	1,498	(178)	180
Unrecognized tax losses of the year	(929)		
Nondeductible effect of impairment	(1,857)	(450)	(719)
Others	96	(234)	(364)
<b>Income taxes</b>	<b>5,100</b>	<b>(1,200)</b>	<b>(6,833)</b>

**c) Tax incentives**

In Brazil, Vale has a tax incentive for the partial reduction of income tax due, in the amount equivalent to the portion allocated by tax law to transactions in the North and Northeast regions with iron ore, manganese, copper, and nickel. The incentive is calculated based on the tax profit of the activity (called operating income) and takes into consideration the allocation of operating net income by incentive production levels during the periods specified for each product, generally 10 years, and in the case of the Company, they are expected to expire in 2024. 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.

In addition to those incentives, 30% of the income tax due based on the regional profit needs to be reinvested on the purchase of machinery and equipment, subject to subsequent approval by the regulatory agency responsible, Superintendência do Desenvolvimento da Amazonia (SUDAM) and the Superintendência do Desenvolvimento do Nordeste (SUDENE). When the reinvestment is approved, it is retained in an earnings reserve account, which restricts the distribution as dividends to stockholders.

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Vale also has tax incentives related to the production of nickel and cobalt from Vale Nouvelle Calédonie SAS ( VNC ). These incentives include the exemption of 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 a 5-year 50% exemption of income tax. VNC is subject to a branch profit tax on its profits (after deducting available tax losses) starting in the first year that commercial production is reached. To date, there has been no net taxable income realized in VNC.

In Mozambique, the tax incentives applicable to Vale Moçambique S.A. for the Moatize Coal Mine Project include a 25% reduction of rate for five years counting from the first year the company has taxable profits. Vale also received tax incentives for projects in Oman, Malaysia, Malawi and a logistic project in Mozambique.

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.

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**21. Employee benefits obligations**

**a) Employee postretirements obligations**

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

**Benefit plan Vale Mais ( Vale Mais ) and benefit plan Valiaprev ( Valiaprev )** - Certain of the Company's employees are participants in a plan (Vale Mais e Valiaprev) with components of defined benefit (specific coverage for death, pensions and disability allowances) and components of 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. Both Vale Mais and Valiaprev were overfunded as at December 31, 2015 and 2014.

**Defined benefit plan ( Plano BD )** - The Plano BD has been closed to new entrants since the year 2000, when the Vale Mais plan was implemented. It is a plan that has defined benefit characteristics, covering almost exclusively retirees and their beneficiaries. It was overfunded as at December 31, 2015 and 2014 and the contributions made by the Company are not relevant.

**Abono complementação benefit plan** - The Company sponsors a specific group of former employees entitled to receive additional benefits from Valia normal payments plus post-retirement benefit that covers medical, dental and pharmaceutical assistance. The contributions made by the Company finished in 2014. The abono complementação benefit was overfunded as at December 31, 2015 and 2014.

**Other benefits** - The Company sponsors medical plans for employees that meet specific criteria and for employees who use the abono complementação benefit. Although those benefits are not specific retirement plans, actuarial calculations are used to calculate future commitments. As those benefits are related to health care plans they have the nature of underfunded benefits, and are presented as underfunded plans as at December 31, 2015 and 2014.

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The Foreign plans are managed in accordance with their region. They are divided between plans in Canada, United States of America, United Kingdom, Indonesia, New Caledonia, Japan and Taiwan. Pension plans in Canada are composed of a defined benefit and defined contribution component. Currently the defined benefit plans do not allow new entrants. The foreign defined benefit plans underfunded as at December 31, 2015 and 2014.

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

### i. Change in benefit obligation

	Overfunded pension plans	Underfunded pension plans	Others benefits
<b>Benefit obligation as at December 31, 2013</b>	<b>4,080</b>	<b>4,406</b>	<b>1,693</b>
Service costs	29	96	23
Interest costs	474	233	83
Benefits paid	(327)	(321)	(74)
Participant contributions	1		
Effect of changes in the financial assumptions	(32)	454	(81)
Translation adjustment	(497)	(347)	(146)
<b>Benefit obligation as at December 31, 2014</b>	<b>3,728</b>	<b>4,521</b>	<b>1,498</b>
Service costs	20	94	28
Interest costs	359	178	66
Benefits paid	(244)	(258)	(65)
Participant contributions	1		
Transfers	8	(8)	
Effect of changes in the actuarial assumptions	(184)	(70)	(31)
Translation adjustment	(1,214)	(768)	(273)
<b>Benefit obligation as at December 31, 2015</b>	<b>2,474</b>	<b>3,689</b>	<b>1,223</b>

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## ii. Evolution of assets fair value

	Overfunded pension plans	Underfunded pension plans	Others benefits
<b>Fair value of plan assets as at December 31, 2013</b>	<b>5,271</b>	<b>3,804</b>	
Interest income	625	201	
Employer contributions	132	164	74
Participant contributions	1		
Benefits paid	(327)	(321)	(74)
Plan settlements		(3)	
Return on plan assets (excluding interest income)	(2)	169	
Translation adjustment	(671)	(298)	
<b>Fair value of plan assets as at December 31, 2014</b>	<b>5,029</b>	<b>3,716</b>	
Interest income	491	151	
Employer contributions	63	132	65
Participant contributions	1		
Benefits paid	(244)	(258)	(65)
Return on plan assets (excluding interest income)	(284)	(8)	
Transfers	5	(5)	
Translation adjustment	(1,626)	(634)	
<b>Fair value of plan assets as at December 31, 2015</b>	<b>3,435</b>	<b>3,094</b>	

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

	Plans in Brazil					
	Overfunded pension plans	December 31, 2015 Underfunded pension plans	Others benefits	Overfunded pension plans	December 31, 2014 Underfunded pension plans	Others benefits
<b>Balance at beginning of the year</b>	<b>1,301</b>			<b>1,191</b>		
Interest income	130			142		
Changes on asset ceiling and onerous liability	(54)			140		
Translation adjustment	(416)			(172)		
<b>Balance at end of the year</b>	<b>961</b>			<b>1,301</b>		
<b>Amount recognized in the balance sheet</b>						
Present value of actuarial liabilities	(2,474)	(248)	(160)	(3,728)	(387)	(246)
Fair value of assets	3,435	214		5,029	349	
Effect of the asset ceiling	(961)			(1,301)		
<b>Liabilities provisioned</b>		<b>(34)</b>	<b>(160)</b>		<b>(38)</b>	<b>(246)</b>

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Current liabilities		(19)		(25)
Non-current liabilities	(34)	(141)	(38)	(221)
<b>Liabilities provisioned</b>	<b>(34)</b>	<b>(160)</b>	<b>(38)</b>	<b>(246)</b>

	December 31, 2015		Foreign plan			December 31, 2014	
	Overfunded		Others benefits	Overfunded		Others benefits	
	pension plans	Underfunded pension plans		pension plans	Underfunded pension plans		
<b>Amount recognized in the balance sheet</b>							
Present value of actuarial liabilities		(3,441)	(1,063)		(4,134)	(1,252)	
Fair value of assets		2,880			3,367		
<b>Liabilities provisioned</b>		<b>(561)</b>	<b>(1,063)</b>		<b>(767)</b>	<b>(1,252)</b>	
Current liabilities		(17)	(32)		(16)	(26)	
Non-current liabilities		(544)	(1,031)		(751)	(1,226)	
<b>Liabilities provisioned</b>							