Vale S.A. Form 6-K October 26, 2017 Table of Contents

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

October, 2017

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.

(Check One) Form 20-F x Form 40-F o
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 o No x
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 o No x
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 o No x
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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Interim Financial Statements		
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September 30, 2017		
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Vale S.A. Interim Financial Statements

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Report of independent registered public accounting firm

To the Board of Directors and Stockholders of

Vale S.A.

Rio de Janeiro - RJ

We have reviewed the accompanying condensed consolidated balance sheet of Vale S.A. (the Company) and subsidiaries as of September 30, 2017, the related condensed consolidated statements of income, comprehensive income and cash flows for the three and nine-month periods ended on September 30, 2017 and 2016, and the related condensed consolidated statement of changes in equity for the nine-month periods ended on September 30, 2017 and 2016. These condensed consolidated financial statements are the responsibility of the Company s management.

We conducted our review in accordance with the standards of the Public Company Accounting Oversight Board (United States). A review of interim financial information consists principally of applying analytical procedures and making inquiries of persons responsible for financial and accounting matters. It is substantially less in scope than an audit conducted in accordance with the standards of the Public Company Accounting Oversight Board (United States), the objective of which is the expression of an opinion regarding the financial statements taken as a whole. Accordingly, we do not express such an audit opinion.

Based on our review, we are not aware of any material modification that should be made to the condensed consolidated financial statements referred to above for them to be in conformity with the International Financial Reporting Standards (IFRS) as issued by the International Accounting Standards Board (IASB).

We have previously audited, in accordance with standards of the Public Company Accounting Oversight Board (United States), the consolidated balance sheet of Vale S.A. and subsidiaries as of December 31, 2016 and the related consolidated statements of income, comprehensive income, changes in equity and cash flows for the year then ended (not presented herein); and in our report dated February 22, 2017, we expressed an unqualified opinion on those consolidated financial statements. In our opinion, the information set forth in the accompanying condensed consolidated balance sheet as of December 31, 2016, is fairly stated, in all material respects, in relation to the consolidated balance sheet from which it has been derived.

KPMG Auditores Independentes

Rio de Janeiro, Brazil

October 25, 2017

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Consolidated Income Statement

In millions of United States dollars, except earnings per share data

		Three-month pe Septembe		Nine-month period ended September 30,	
	Notes	2017	2016 (i)	2017	2016 (i)
Continuing operations			· ·		· ·
Net operating revenue	3(c)	9,050	6,726	24,800	18,223
Cost of goods sold and services rendered	5(a)	(5,412)	(4,345)	(15,248)	(12,547)
Gross profit		3,638	2,381	9,552	5,676
Operating expenses					
Selling and administrative expenses	5(b)	(129)	(137)	(385)	(371)
Research and evaluation expenses		(91)	(80)	(236)	(207)
Pre operating and operational stoppage		(83)	(116)	(288)	(323)
Other operating revenues (expenses), net	5(c)	(151)	63	(316)	(115)
		(454)	(270)	(1,225)	(1,016)
Impairment and other results on non-current assets	13 and 16	(169)	(29)	123	(95)
Operating income		3,015	2,082	8,450	4,565
Financial income	6	1,513	362	2,911	7,501
Financial expenses	6	(1,293)	(1,401)	(4,643)	(5,054)
Equity results in associates and joint ventures	14	115	45	164	390
Impairment and other results in associates and joint					
ventures	18	(26)	(33)	(121)	(1,146)
Income before income taxes		3,324	1,055	6,761	6,256
Income taxes	7				
Current tax	,	(522)	(64)	(1,092)	(818)
Deferred tax		(457)	(370)	(561)	(1,906)
belefied un		(979)	(434)	(1,653)	(2,724)
Net income from continuing operations		2,345	621	5,108	3,532
Net income attributable to noncontrolling interests		7	11	53	25
Net income from continuing operations attributable		,	- 11	33	23
to Vale s stockholders		2,338	610	5,055	3,507
Discontinued operations	12				
Loss from discontinued operations	12	(106)	(39)	(313)	(49)
Net income attributable to noncontrolling interests		(100)	(4)	(313)	(49)
Loss from discontinued operations attributable to			(+)	U	1
Vale s stockholders		(108)	(35)	(319)	(50)
Net income		2,239	582	4,795	3,483
Net income attributable to noncontrolling interests		9	7	59	3,463
The medica autoutable to noncontrolling interests		7	,	33	20

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Net income attributable to Vale s stockholders		2,230	575	4,736	3,457
Earnings per share attributable to Vale s					
stockholders:					
Basic and diluted earnings per share(restated in					
note 4):	8				
Preferred share (US\$)		0.43	0.11	0.92	0.67
Common share (US\$)		0.43	0.11	0.92	0.67

⁽i) Period restated according to Note 12.

Consolidated Statement of Comprehensive Income

In millions of United States dollars

	Three-month pe September		Nine-month period ended September 30,	
	2017 2016		2017	2016
Net income	2,239	582	4,795	3,483
Other comprehensive income:				
Items that will not be reclassified subsequently to the income				
statement				
Cumulative translation adjustments	1,797	(447)	1,158	6,660
Retirement benefit obligations	64	(43)	(249)	(311)
Tax recognized within other comprehensive income	(19)	14	76	96
Total items that will not be reclassified subsequently to the income				
statement	1,842	(476)	985	6,445
Items that may be reclassified subsequently to the income				
statement				
Cumulative translation adjustments	(603)	219	88	(3,459)
Cash flow hedge				6
Net investments hedge	290		162	
Equity results in associates and joint ventures, net of taxes				5
Transfer of realized results to net income, net of taxes				(78)
Tax recognized within other comprehensive income	(180)	18	(209)	(124)
Total of items that may be reclassified subsequently to the income				
statement	(493)	237	41	(3,650)
Total comprehensive income	3,588	343	5,821	6,278
Comprehensive income (loss) attributable to noncontrolling interests	37	(3)	78	150
Comprehensive income attributable to Vale s stockholders	3,551	346	5,743	6,128

Consolidated Statement of Cash Flows

In millions of United States dollars

	Three-month pe Septembe		Nine-month pe Septemb	
	2017	2016	2017	2016
		(i)		(i)
Cash flow from operating activities:				
Income before income taxes from continuing operations	3,324	1,055	6,761	6,256
Continuing operations adjustments for:				
Equity results in associates and joint ventures	(115)	(45)	(164)	(390)
Impairment and other results on non-current assets	169	29	(123)	95
Impairment and other results in associates and joint ventures	26		121	1,113
Depreciation, amortization and depletion	920	853	2,732	2,475
Financial results, net	(220)	1,039	1,732	(2,447)
Changes in assets and liabilities:				
Accounts receivable	(936)	127	1,104	(787)
Inventories	(52)	(72)	(496)	(87)
Suppliers and contractors	37	436	363	462
Provision - Payroll, related charges and others remunerations	205	(15)	162	28
Deferred revenue - Gold stream		524		524
Other assets and liabilities, net	(235)	(739)	(928)	(299)
	3,123	3,192	11,264	6,943
Interest on loans and borrowings paid	(407)	(422)	(1,334)	(1,243)
Derivatives paid, net	(113)	(191)	(223)	(1,054)
Interest on participative stockholders debentures paid			(70)	(37)
Income taxes	(84)	(88)	(489)	(342)
Income taxes - Settlement program	(124)	(116)	(365)	(304)
Net cash provided by operating activities from continuing				
operations	2,395	2,375	8,783	3,963
Net cash provided by operating activities from discontinued				
operations	87	34	78	88
Net cash provided by operating activities	2,482	2,409	8,861	4,051
Cash flow from investing activities:				
Financial investments redeemed (invested)	(34)	69	(53)	46
Loans and advances - Net receipts (payments) (note 18)	(101)	(123)	(332)	(126)
Additions to investments	(57)	(4)	(74)	(230)
Additions to property, plant and equipment and intangible	(856)	(1,150)	(2,853)	(3,640)
Proceeds from disposal of assets and investments (note 13)	198	326	721	350
Dividends received from associates and joint ventures	21		103	115
Others investments activities	4	51	(30)	4
Proceeds from gold stream transaction		276		276
Net cash used in investing activities from continuing operations	(825)	(555)	(2,518)	(3,205)
Net cash used in investing activities from discontinued operations	(71)	(103)	(215)	(208)
Net cash used in investing activities	(896)	(658)	(2,733)	(3,413)

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Cash flow from financing activities:				
Loans and borrowings				
Additions	351	1,573	1,801	6,206
Repayments	(2,818)	(1,979)	(5,788)	(4,940)
Transactions with stockholders:				
Dividends and interest on capital attributed to stockholders			(1,454)	
Dividends and interest on capital paid to noncontrolling interest	(116)	(129)	(124)	(204)
Transactions with noncontrolling stockholders (note 13)			(98)	(17)
Net cash provided by (used in) financing activities from				
continuing operations	(2,583)	(535)	(5,663)	1,045
Net cash used in financing activities from discontinued operations	(34)	(8)	(34)	(13)
Net cash provided by (used in) financing activities	(2,617)	(543)	(5,697)	1,032
Increase (decrease) in cash and cash equivalents	(1,031)	1,208	431	1,670
Cash and cash equivalents in the beginning of the period	5,720	4,168	4,262	3,591
Effect of exchange rate changes on cash and cash equivalents	28	(7)	38	108
Effects of disposals of subsidiaries and merger, net on cash and cash				
equivalents	2		(12)	
Cash and cash equivalents at end of the period	4,719	5,369	4,719	5,369
Non-cash transactions:				
Additions to property, plant and equipment - capitalized loans and				
borrowing costs	111	172	297	562

⁽i) Period restated according to Note 12.

Consolidated Statement of Financial Position

In millions of United States dollars

Current assets Cash and cash equivalents 17 4,719 4,265 Accounts receivable 9 2,712 3,665 Other financial assets 11 2,255 365 Inventories 10 4,083 3,344 Prepaid income taxes 333 155 Recoverable taxes 337 555 Others 337 555 Non-current assets held for sale 12 4,325 8,586 Non-current assets held for sale 12 4,325 8,586 Non-current assets 12 4,325 8,586 Non-current assets 12 4,325 8,586 Non-current assets 11 3,605 2,005 966 Other financial assets 23(c) 2,005 96 Other financial assets 31 3,605 2,005 96 Other financial assets 31 3,605 2,005 96 96 Other financial assets 34 6,611 7,34		Notes	September 30, 2017	December 31, 2016
Cash and cash equivalents 17 4,719 4,266 Accounts receivable 9 2,712 3,666 Other financial assets 11 2,255 3,666 Inventories 10 4,083 3,348 Prepaid income taxes 1,125 1,622 Recoverable taxes 1,125 1,622 Others 337 55 Non-current assets held for sale 12 3,25 Non-current assets 11 3,262 2,005 Non-current assets 23(c) 2,005 96 Volter financial assets 11 3,262 62 Other financial assets 11 3,262 62 Prepaid income taxes 651 72 Recoverable taxes 651 72 Deferred income taxes 7(a) 6.651 7,34 Others 309 27 Deferred income taxes 14 3,855 3,69 Intage taxes 15 8,651 6,87 Property, p	Assets			
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Inventories 10 4,083 3,344 Prepaid income taxes 1,125 1,625 1,	Accounts receivable	9		3,663
Prepaid income taxes 333 155 Recoverable taxes 1,125 1,625 Others 337 555 Non-current assets 15,564 13,978 Non-current assets beld for sale 12 4,325 8,588 Non-current assets 19,889 22,566 Non-current assets 11 3,262 628 Other financial assets 11 3,262 628 Prepaid income taxes 339 527 Recoverable taxes 7(a) 6,651 7,34 Others 309 274 Others 309 274 Others 13,417 10,461 Investments in associates and joint ventures 14 3,855 3,690 Intrangibles 15 8,651 6,871 Property, plant and equipment 16 56,280 55,415 Total assets 12 4,013 3,636 Current liabilities 2 17 1,838 1,660 Cother financial liabil	Other financial assets		2,255	363
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Others 337 557 I15,564 13,978 13,978 Non-current assets held for sale 12 4,325 8,588 Non-current assets 12 4,325 8,588 22,560 Non-current assets 20 2,005 966 966 967	Prepaid income taxes		333	159
Non-current assets held for sale	Recoverable taxes		1,125	1,625
Non-current assets held for sale 12 4,325 8,585 Non-current assets 19,889 22,567 Non-current assets 23(c) 2,005 96 Other financial assets 31 3,262 622 Prepaid income taxes 339 527 Recoverable taxes 651 727 Deferred income taxes 7(a) 6,651 7,34 Others 309 27 Deferred income taxes 13,417 10,461 Investments in associates and joint ventures 14 3,855 3,690 Intagibles 15 8,651 6,871 Property, plant and equipment 16 56,280 55,411 Total assets 102,092 99,012 Liabilities 2 4,013 3,630 Loans and borrowings 17 1,838 1,660 Other financial liabilities 11 634 1,08 Taxes payable 7(c) 730 657 Provision for income taxes 309 <	Others		337	557
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Non-current assets Judicial deposits 23(c) 2,005 962 Other financial assets 11 3,262 628 Prepaid income taxes 539 527 Recoverable taxes 651 727 Deferred income taxes 7(a) 6,651 7,34 Others 309 27* Investments in associates and joint ventures 14 3,855 3,690 Intrangibles 15 8,651 6,871 Property, plant and equipment 16 56,280 55,415 Property, plant and equipment 16 56,280 55,415 Total assets 102,092 99,014 Liabilities 2 102,092 99,014 Current liabilities 4,013 3,630 Suppliers and contractors 4,013 3,630 Loans and borrowings 17 1,838 1,660 Other financial liabilities 11 634 1,080 Taxes payable 7(c) 730 655 Provisions	Non-current assets held for sale	12	4,325	8,589
Judicial deposits 23(c) 2,005 960 Other financial assets 11 3,262 628 Prepaid income taxes 539 527 Recoverable taxes 651 7,27 Deferred income taxes 7(a) 6,651 7,34 Others 309 27 Investments in associates and joint ventures 14 3,855 3,690 Intangibles 15 8,651 6,871 Property, plant and equipment 16 56,280 55,415 Total assets 82,203 76,447 Total assets 102,092 99,014 Uniformal liabilities 4,013 3,630 Current liabilities 4,013 3,630 Current liabilities 11 634 1,080 Taxes payable 7(c) 730 655 Taxes payable 7(c) 730 655 Taxes payable related to associates and joint ventures 18 301 292 Provisions 22 1,197 955 <td></td> <td></td> <td>19,889</td> <td>22,567</td>			19,889	22,567
Other financial assets 11 3,262 628 Prepaid income taxes 539 527 Recoverable taxes 7(a) 6,651 7,34 Others 309 274 Investments in associates and joint ventures 14 3,855 3,690 Intrangibles 15 8,651 6,871 Property, plant and equipment 16 56,280 55,415 Property, plant and equipment 16 56,280 55,415 Total assets 82,203 76,447 Total assets 4,013 3,63 Current liabilities 4,013 3,63 Current liabilities 4,013 3,63 Loans and borrowings 17 1,838 1,660 Other financial liabilities 11 634 1,08 Taxes payable 7(c) 730 657 Provision for income taxes 18 301 292 Liabilities related to associates and joint ventures 18 301 292 Provisions 22 1,197 955 Dividends and interest on capital				
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Recoverable taxes 651 727 Deferred income taxes 7(a) 6,651 7,343 Others 309 274 Investments in associates and joint ventures 14 3,855 3,690 Intrangibles 15 8,651 6,871 Property, plant and equipment 16 56,280 55,419 Property, plant and equipment 16 56,280 55,419 Total assets 102,092 99,014 Liabilities 2 4,013 3,630 Loans and contractors 4,013 3,630 Loans and borrowings 17 1,838 1,660 Other financial liabilities 11 634 1,08 Taxes payable 7(c) 730 657 Provision for income taxes 18 301 292 Liabilities related to associates and joint ventures 18 301 292 Provisions 22 1,197 952 Others 563 89 Others 563		11		
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Investments in associates and joint ventures	Others			274
Intangibles 15 8,651 6,871 Property, plant and equipment 16 56,280 55,419 Recommended and equipment 102,092 99,012 Total assets 102,092 99,012 Liabilities Current liabilities Suppliers and contractors 4,013 3,630 Loans and borrowings 17 1,838 1,660 Other financial liabilities 11 634 1,086 Taxes payable 7(c) 730 657 Provision for income taxes 309 171 Liabilities related to associates and joint ventures 18 301 292 Provisions 22 1,197 952 Dividends and interest on capital 798 Others 563 896 Others 563 896 9,585 10,142			13,417	10,461
Property, plant and equipment 16 56,280 55,419 Recognity of the property of the	Investments in associates and joint ventures	14	3,855	3,696
82,203 76,447 Total assets 102,092 99,014 Liabilities Suppliers and contractors 4,013 3,630 Loans and borrowings 17 1,838 1,660 Other financial liabilities 11 634 1,080 Taxes payable 7(c) 730 657 Provision for income taxes 309 171 Liabilities related to associates and joint ventures 18 301 292 Provisions 22 1,197 952 Dividends and interest on capital 798 Others 563 896 Others 9,585 10,142	Intangibles	15	8,651	6,871
Current liabilities 4,013 3,630 Suppliers and contractors 4,013 3,630 Loans and borrowings 17 1,838 1,660 Other financial liabilities 11 634 1,080 Taxes payable 7(c) 730 657 Provision for income taxes 309 177 Liabilities related to associates and joint ventures 18 301 292 Provisions 22 1,197 952 Dividends and interest on capital 796 Others 563 896 9,585 10,142	Property, plant and equipment	16	56,280	55,419
Liabilities Current liabilities Suppliers and contractors 4,013 3,630 Loans and borrowings 17 1,838 1,660 Other financial liabilities 11 634 1,086 Taxes payable 7(c) 730 657 Provision for income taxes 309 177 Liabilities related to associates and joint ventures 18 301 292 Provisions 22 1,197 952 Dividends and interest on capital 798 Others 563 896 9,585 10,142			82,203	76,447
Current liabilities Suppliers and contractors 4,013 3,630 Loans and borrowings 17 1,838 1,660 Other financial liabilities 11 634 1,086 Taxes payable 7(c) 730 657 Provision for income taxes 309 177 Liabilities related to associates and joint ventures 18 301 292 Provisions 22 1,197 952 Dividends and interest on capital 798 Others 563 896 9,585 10,142	Total assets		102,092	99,014
Suppliers and contractors 4,013 3,630 Loans and borrowings 17 1,838 1,660 Other financial liabilities 11 634 1,086 Taxes payable 7(c) 730 657 Provision for income taxes 309 177 Liabilities related to associates and joint ventures 18 301 292 Provisions 22 1,197 952 Dividends and interest on capital 798 Others 563 896 9,585 10,142	Liabilities			
Suppliers and contractors 4,013 3,630 Loans and borrowings 17 1,838 1,660 Other financial liabilities 11 634 1,086 Taxes payable 7(c) 730 657 Provision for income taxes 309 177 Liabilities related to associates and joint ventures 18 301 292 Provisions 22 1,197 952 Dividends and interest on capital 798 Others 563 896 9,585 10,142	Current liabilities			
Loans and borrowings 17 1,838 1,660 Other financial liabilities 11 634 1,086 Taxes payable 7(c) 730 657 Provision for income taxes 309 177 Liabilities related to associates and joint ventures 18 301 292 Provisions 22 1,197 952 Dividends and interest on capital 798 Others 563 896 9,585 10,142			4,013	3,630
Other financial liabilities 11 634 1,086 Taxes payable 7(c) 730 657 Provision for income taxes 309 177 Liabilities related to associates and joint ventures 18 301 292 Provisions 22 1,197 952 Dividends and interest on capital 798 Others 563 896 9,585 10,142	Loans and borrowings	17		1,660
Taxes payable 7(c) 730 657 Provision for income taxes 309 171 Liabilities related to associates and joint ventures 18 301 292 Provisions 22 1,197 952 Dividends and interest on capital 798 Others 563 896 9,585 10,142	Other financial liabilities	11		1,086
Provision for income taxes 309 171 Liabilities related to associates and joint ventures 18 301 292 Provisions 22 1,197 952 Dividends and interest on capital 798 Others 563 896 9,585 10,142	Taxes payable	7(c)	730	657
Liabilities related to associates and joint ventures 18 301 292 Provisions 22 1,197 952 Dividends and interest on capital 798 Others 563 896 9,585 10,142		,	309	171
Provisions 22 1,197 952 Dividends and interest on capital 798 Others 563 896 9,585 10,142		18	301	292
Dividends and interest on capital 798 Others 563 896 9,585 10,142	Provisions		1,197	952
Others 563 896 9,585 10,142			,	798
9,585 10,142	Others		563	896
				10,142
	Liabilities associated with non-current assets held for sale	12	1,132	1,090

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		10,717	11,232
Non-current liabilities			
Loans and borrowings	17	23,952	27,662
Other financial liabilities	11	2,963	2,127
Taxes payable	7(c)	5,168	4,961
Deferred income taxes	7(a)	1,604	1,700
Provisions	22	6,877	5,748
Liabilities related to associates and joint ventures	18	725	785
Deferred revenue - Gold stream		1,922	2,090
Others		1,682	1,685
		44,893	46,758
Total liabilities		55,610	57,990
Stockholders equity	25		
Equity attributable to Vale s stockholders		45,008	39,042
Equity attributable to noncontrolling interests		1,474	1,982
Total stockholders equity		46,482	41,024
Total liabilities and stockholders equity		102,092	99,014

Statement of Changes in Equity

In millions of United States dollars

	Share capital	Results on conversion of shares	Capital reserve	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	I attri nonc in
Balance at December 31,	•		·					·	J		
2016	61,614	(152))	(699)	4,203	(1,477)	(1,147)	(23,300)		39,042	
Net income									4,736	4,736	
Other comprehensive income:											
Retirement benefit obligations							(173)			(173)	`
Net investments hedge (note 17							(173)			(173)	,
(vi))								107		107	
Translation adjustments					127		(18)	936	28	1,073	
Transactions with stockholders:											
Dividends and interest on capital of Vale s stockholders					(658)					(658))
Dividends of noncontrolling interest					(000)					(323)	,
Acquisitions and disposal of noncontrolling interest (note 13)				(277)						(277))
Capitalization of noncontrolling interest advances				(211)						(211)	,
Merger of Valepar - Note 4			1,158							1,158	
Balance at September 30, 2017	61,614	(152) 1,158	(976)	3,672	(1,477)	(1,338)	(22,257)	4,764	45,008	

			Results from						Equity	E
	Results on		operation with			Unrealized	Cumulative		attributable to	attrib
	conversion of		noncontrolling	Profit	Treasury	fair value	translation	Retained	Vale s	nonce
Share capital	shares	Capital reserve	interest	reserves	stocks	gain (losses)	adjustments	earnings	stockholders	in

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Balance at December 31,									
2015	61,614	(152)	(702)	985	(1,477)	(992)	(25,687)		33,589
Net income	,	,						3,457	3,457
Other									
comprehensive income:									
Retirement benefit									
obligations						(215)			(215)
Cash flow hedge						7			7
Translation adjustments				200		(90)	2,608	161	2,879
Transactions									
with stockholders:									
Dividends of noncontrolling interest									
Acquisitions and disposal of noncontrolling interest (note 13)			2						2
Capitalization of noncontrolling interest advances									
Balance at September 30, 2016	61,614	(152)	(700)	1,185	(1,477)	(1,290)	(23,079)	3,618	39,719

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Selected Notes to the Interim 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 in the city of Rio de Janeiro, Brazil with securities traded on the stock exchanges of São Paulo B3 S.A. (Vale3 and Vale5), New York - NYSE (VALE and VALE.P), Paris - NYSE Euronext (Vale3 and Vale5) and Madrid LATIBEX (XVALO and XVALP).

Vale S.A. and its direct and indirect subsidiaries (Vale or Company) are global 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 Company also produces copper, metallurgical and thermal coal, manganese ore, ferroalloys, platinum group metals, gold, silver and cobalt. The information by segment is presented in note 3.

2. Basis for preparation of the interim financial statements

a) Statement of compliance

The condensed consolidated interim financial statements of the Company (interim financial statements) present the accounts of the Company and have been prepared in accordance with IAS 34 Interim Financial Reporting of the International Financial Reporting Standards (IFRS) as issued by the International Accounting Standards Board (IASB).

b) Basis of presentation

The interim 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 the income statement or available-for-sale financial instruments measured at fair value through the statement of comprehensive income; and (ii) impairment of assets.

The accounting practices, accounting estimates and judgments, risk management and measurement methods are the same as those adopted when preparing the financial statements for the year ended December 31, 2016. The accounting policy for recognizing and measuring income taxes in the interim period is described in note 7. These interim financial statements were prepared to update users about relevant information presented in the period and should be read in conjunction with the financial statements for the year ended December 31, 2016.

The consolidated comparative information for the periods ended September 30, 2016 was restated for the purposes of applying IFRS 5

Non-current assets held for sale and discontinued operations after approval by the Board of Directors of the sale of the fertilizers assets, as presented in Note 12. Also earnings per share were restated as disclosed in note 4.

The interim financial statements of the Company and its associates and joint ventures are measured using the currency of the primary economic environment in which the entity operates (functional currency), which in the case of the Parent Company is the Brazilian real (BRL or R\$). For presentation purposes, these interim financial statements are presented in United States dollar (USD or US\$) as the Company believes that this is how international investors analyze the interim financial statements.

The exchange rates used by the Company for major currencies to translate its operations are as follows:

				Average ra	ate for the	
	Closing	rate	Three-month	period ended	Nine-month period ended	
	September 30, 2017	December 31, 2016	September 30, 2017	September 30, 2016	September 30, 2017	September 30, 2016
US Dollar (US\$)	3.1680	3.2591	3.1639	3.2460	3.1750	3.5450
Canadian dollar (CAD)	2.5334	2.4258	2.5235	2.4881	2.4319	2.6802
Australian dollar (AUD)	2.4837	2.3560	2.4969	2.4616	2.4320	2.6273
Euro (EUR or)	3.7430	3.4384	3.7162	3.6232	3.5392	3.9549

Subsequent events were evaluated through October 25, 2017, which is the date the interim financial statements were approved by the Board of Directors.

c) Accounting standards issued but not yet effective

The standards and interpretations issued by IASB relevant to the Company but not yet effective are the same as those applicable when preparing the financial statements for the year ended December 31, 2016.

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) 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 excluding (i) the depreciation, depletion and amortization, (ii) results on measurement or sales of non-current assets, (iii) impairment, (iv) onerous contracts and plus (v) dividends received and interest from associates and joint ventures.

			Three-month p	eriod ended Septer	nber 30, 2017		
	Net operating revenue	Cost of goods sold and services rendered	Sales, administrative and other operating expenses	Research and evaluation	Pre operating and operational stoppage	Dividends received and interest from associates and joint ventures	Adjusted EBITDA
Ferrous minerals							
Iron ore	5,131	(2,086)	(89)	(22)	(47)	1	2,888
Iron ore Pellets	1,441	(733)	(21)	(5)	(3)		679
Ferroalloys and							
manganese	131	(71)	(4)		1		57
Other ferrous products and							
services	117	(77)	(2)			12	50
	6,820	(2,967)	(116)	(27)	(49)	13	3,674
Coal	360	(368)	(9)	(4)		67	46
Base metals							
	1,168	(883)	(44)	(14)			227

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Nickel and other products							
Copper	594	(246)	(8)	(6)			334
	1,762	(1,129)	(52)	(20)			561
Others	108	(80)	(86)	(40)	1	8	(89)
Total of continuing							
operations	9,050	(4,544)	(263)	(91)	(48)	88	4,192
Discontinued operations							
(Fertilizers)	533	(490)	(23)	(3)	(5)		12
Total	9,583	(5,034)	(286)	(94)	(53)	88	4,204

Three-month period ended September 30, 2016

			Sales,			
	Net operating revenue	Cost of goods sold and services rendered	administrative and other operating expenses	Research and evaluation	Pre operating and operational stoppage	Adjusted EBITDA
Ferrous minerals						
Iron ore	3,782	(1,648)	(80)	(25)	(40)	1,989
Iron ore Pellets	991	(512)	(8)	(4)	(5)	462
Ferroalloys and						
manganese	76	(63)	(6)		(3)	4
Other ferrous products						
and services	110	(70)	(1)		(1)	38
	4,959	(2,293)	(95)	(29)	(49)	2,493
Coal	163	(157)	3	(3)	(13)	(7)
Base metals						
Nickel and other						
products	1,159	(792)	(31)	(21)	(26)	289
Copper	420	(255)	(2)	(2)		161
Other base metals						
products			150			150
	1,579	(1,047)	117	(23)	(26)	600
		(=0)				
Others	25	(58)	(64)	(25)		(122)
Total of continuing		(A)	(20)	(00)	(00)	• • • •
operations	6,726	(3,555)	(39)	(80)	(88)	2,964
Discontinued operations (Fertilizers)	598	(501)	(29)	(5)	(4)	59
Total	7,324	(4,056)	(68)	(85)	(92)	3,023
10141	1,324	(4,030)	(00)	(03)	(92)	3,023

				iod ended Septemb	per 30, 2017		
	Net operating revenue	Cost of goods sold and services rendered	Sales, administrative and other operating expenses	Research and evaluation	Pre operating and operational stoppage	Dividends received and interest from associates and joint ventures	Adjusted EBITDA
Ferrous minerals							
Iron ore	13,501	(5,648)	(181)	(61)	(128)	1	7,484
Iron ore Pellets	4,231	(2,097)	(43)	(13)	(5)	37	2,110
Ferroalloys and							
manganese	334	(196)	(8)		(3)		127
Other ferrous							
products and							
services	365	(230)	6	(1)		12	152
	18,431	(8,171)	(226)	(75)	(136)	50	9,873
Coal	1,165	(921)	(32)	(11)	(4)	67	264
Base metals							
Nickel and other		(0.770)	(440)	(a.t)	(= 0)		~
products	3,309	(2,563)	(119)	(34)	(50)		543
Copper	1,562	(723)	(15)	(10)	(=0)		814
	4,871	(3,286)	(134)	(44)	(50)		1,357
Others	333	(204)	(220)	(106)	(2)	53	(265)
		(304)	(239)	(106)	(2)	53	(265)
Total of continuing operations	24,800	(12,682)	(631)	(236)	(192)	170	11,229
operations	24,000	(12,002)	(031)	(230)	(192)	170	11,229
Discontinued operations (Fertilizers)	1,304	(1,201)	(58)	(8)	(26)		11
Total	26,104	(13,883)	(689)	(244)	(218)	170	11,240

			Nine-month per	iod ended Septemb	er 30, 2016		
	Net operating revenue	Cost of goods sold and services rendered	Sales, administrative and other operating expenses	Research and evaluation	Pre operating and operational stoppage	Dividends received and interest from associates and joint ventures	Adjusted EBITDA
Ferrous minerals							
Iron ore	10,208	(4,609)	(386)	(52)	(107)		5,054
Iron ore Pellets	2,611	(1,408)	(43)	(8)	(17)	60	1,195
Ferroalloys and							
manganese	185	(162)	(3)		(9)		11
Other ferrous							
products and							
services	300	(192)	2	(1)	(2)		107
	13,304	(6,371)	(430)	(61)	(135)	60	6,367
Coal	463	(687)	46	(8)	(24)		(210)

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Base metals							
Nickel and other							
products	3,209	(2,332)	(55)	(57)	(84)		681
Copper	1,170	(684)	(9)	(3)			474
Other base metals							
products			150				150
	4,379	(3,016)	86	(60)	(84)		1,305
Others	77	(158)	(106)	(78)	(2)	55	(212)
Total of continuing							
operations	18,223	(10,232)	(404)	(207)	(245)	115	7,250
Discontinued							
operations							
(Fertilizers)	1,446	(1,190)	(68)	(16)	(14)	3	161
Total	19,669	(11,422)	(472)	(223)	(259)	118	7,411
			11				

Adjusted EBITDA is reconciled to net income (loss) as follows:

From Continuing operations

	Three-month period er 30,	nded September	Nine-month period ended September 30,		
	2017	2016	2017	2016	
Adjusted EBITDA from continuing operations	4,192	2,964	11,229	7,250	
Depreciation, depletion and amortization	(920)	(853)	(2,732)	(2,475)	
Dividends received and interest from associates and					
joint ventures	(88)		(170)	(115)	
Impairment and other results on non-current assets	(169)	(29)	123	(95)	
Operating income	3,015	2,082	8,450	4,565	
Financial results, net	220	(1,039)	(1,732)	2,447	
Equity results in associates and joint ventures	115	45	164	390	
Impairment and other results in associates and joint					
ventures	(26)	(33)	(121)	(1,146)	
Income taxes	(979)	(434)	(1,653)	(2,724)	
Net income from continuing operations	2,345	621	5,108	3,532	
Net income attributable to noncontrolling interests	7	11	53	25	
Net income attributable to Vale s stockholders	2,338	610	5,055	3,507	

From Discontinued operations

	Three-month period en	nded September	Nine-month period ended September 30,		
	2017	2016	2017	2016	
Adjusted EBITDA from discontinued operations	12	59	11	161	
Depreciation, depletion and amortization	(1)	(110)	(1)	(265)	
Dividends received and interest from associates and					
joint ventures				(3)	
Impairment of non-current assets (note 12a)	(220)		(597)		
Operating loss	(209)	(51)	(587)	(107)	
Financial results, net		(8)	(10)	22	
Equity results in associates and joint ventures		1		2	
Income taxes	103	19	284	34	
Loss from discontinued operations	(106)	(39)	(313)	(49)	
Net income (loss) attributable to noncontrolling					
interests	2	(4)	6	1	
Loss attributable to Vale s stockholders	(108)	(35)	(319)	(50)	

b) Assets by segment

				Three-month	period ended	Nine-month period ended		
	September 30, 2017			September 30, 2017				
	Product inventory	Investments in associates and joint ventures	Property, plant and equipment and intangible (i)	Additions to property, plant and equipment and intangible (ii)	Depreciation, depletion and amortization (iii)	Additions to property, plant and equipment and intangible (ii)	Depreciation, depletion and amortization (iii)	
Ferrous								
minerals	1,757	2,044	37,359	550	456	2,000	1,300	
Coal	147	305	1,718	14	55	85	234	
Base								
metals	1,127	13	23,655	289	398	751	1,176	
Others	24	1,493	2,199	3	11	17	22	
Total	3,055	3,855	64,931	856	920	2,853	2,732	

				Three-month period ended		Nine-month period ended		
	December 31, 2016			September 30, 2016				
	Product inventory	Investments in associates and joint ventures	Property, plant and equipment and intangible (i)	Additions to property, plant and equipment and intangible (ii)	Depreciation, depletion and amortization (iii)	Additions to property, plant and equipment and intangible (ii)	Depreciation, depletion and amortization (iii)	
Ferrous								
minerals	1,134	1,808	34,834	797	401	2,481	1,129	
Coal	126	285	1,907	152	42	441	80	
Base								
metals	1,110	12	23,372	189	403	691	1,248	
Others	3	1,591	2,177	12	7	27	18	
Total	2,373	3,696	62,290	1,150	853			