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Our strategic pillars remain solid...

Safety and operational excellence

New pact with society

Maximize flight to quality in Iron Ore

Base Metals transformation

Discipline in capital allocation

Defined in 2019

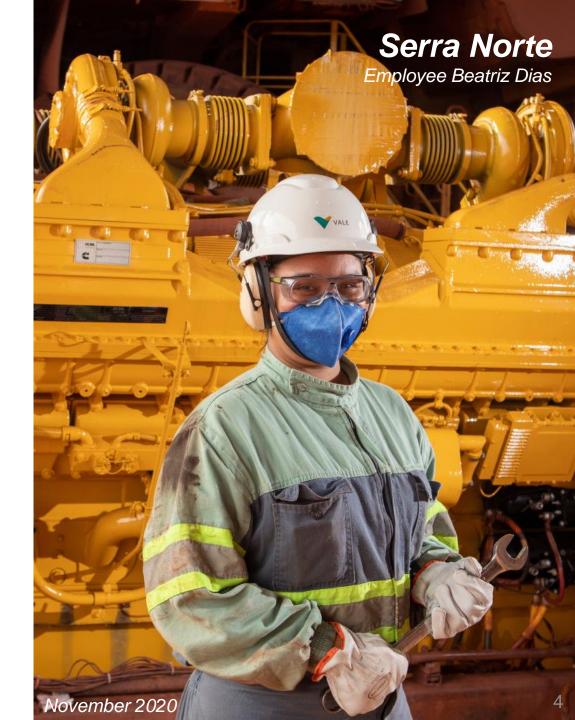


... as well as our commitments

People

Safety

Reparation



We are walking the talk

De-risking

- Brumadinho
- Dam safety
- Robust ESG Practices
- Production resumption

Reshaping



- Focus on core business
- Control of cash drains
- Growth opportunities

Re-rating



- Benchmark in safety
- Best-in-class reliable operator
- Talent-driven organization
- Leader in low-carbon mining
- Reference in creating and sharing value

Sound cash flow generation

Discipline in capital allocation





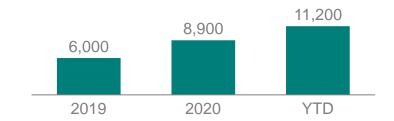
We have made progress in repairing Brumadinho

Integral Reparation Settlement Agreement

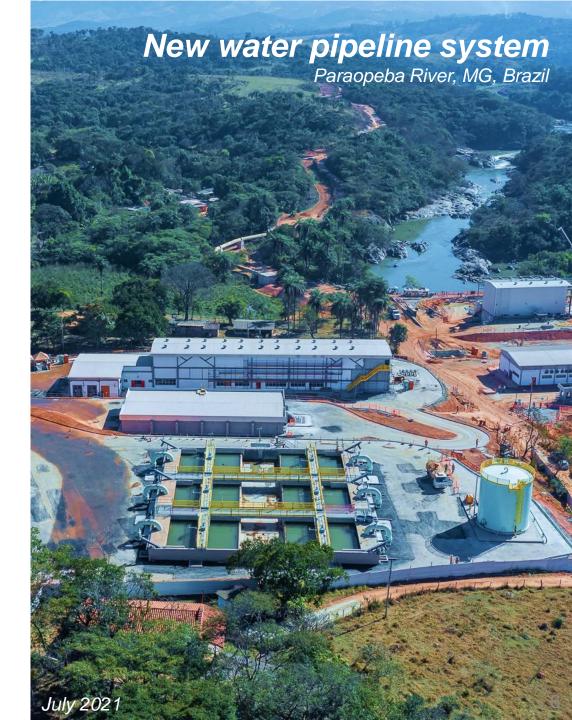
- + R\$ 37.7 billion in total economic value
 - R\$ 9 billion¹ directly to the affected people
- + Clear governance, legal certainty and known impact

Individuals with indemnification agreements²

Number of individuals, cumulative view



R\$ 2.7 billion in individual indemnifications²



¹ Approximate figure, including amounts already disbursed.

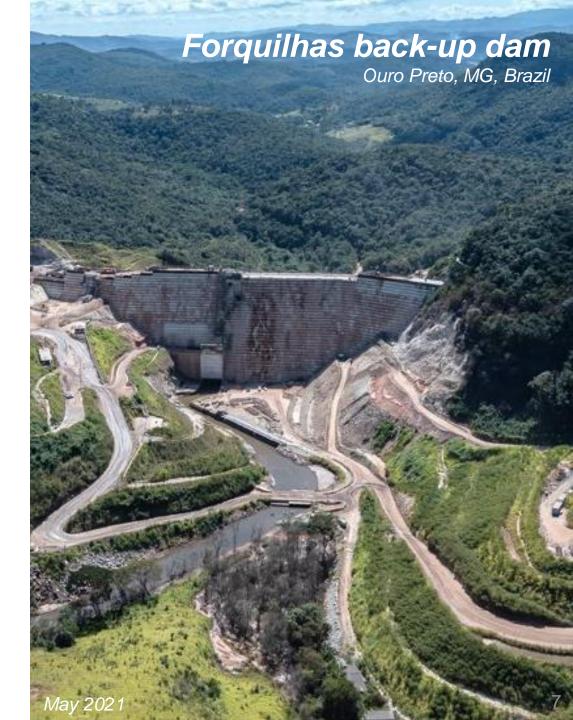
² Related to agreements entered into as of September 2021, approximate figures.



We are improving our dam safety

Upstream¹ Dam² Decharacterization Program

- 6 upstream dams eliminated since 2019
- 24 upstream dams to eliminate
- Back-up dams for all level-3 dams
- No dam at emergency level 3 by 2025
- Program's completion by 2029



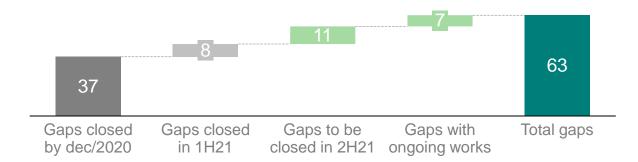
¹ Same raising method deployed at B1 dam, collapsed in Brumadinho.

² Includes dams, dikes and waste piles.



We are leveling up our ESG practices

ESG gaps¹ by estimated conclusion date



Rating upgrades



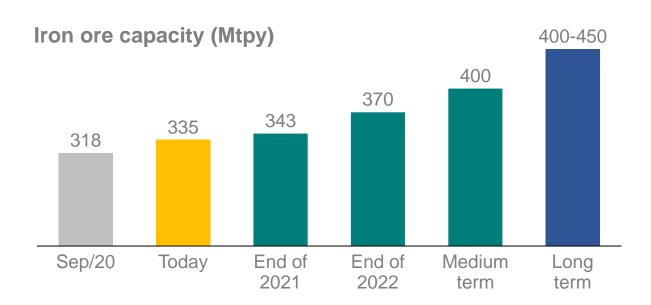
- Fitch (investment grade)
- Moody's (investment grade)
- Sustainalytics ESG (from 54.5 to 38.7²)
- ISS ESG (from C to C+)

¹ Vale has analyzed and studied the methodology behind our leading ESG information providers. A gap analysis identified gaps concerning best practices, and we have mapped an action plan to close these gaps. ² In Sustainalytics ESG rating, the lower, the better. ³ In September 2021 compared to December 2019.

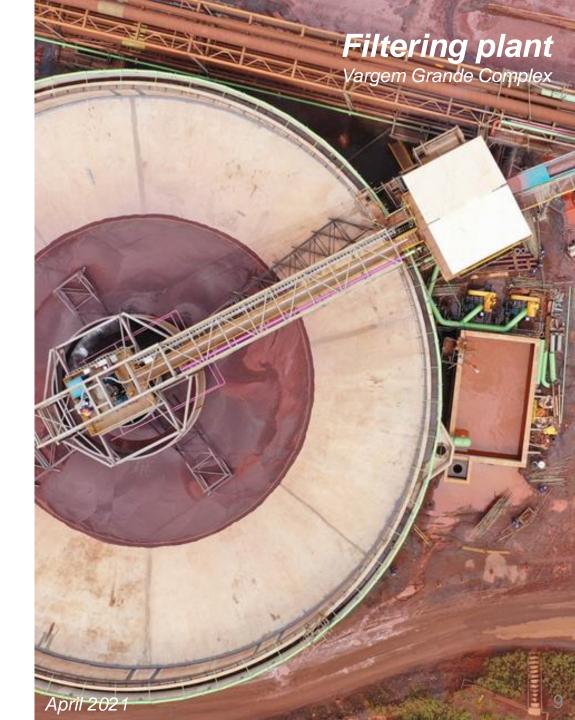




We are progressing on our resumption plan

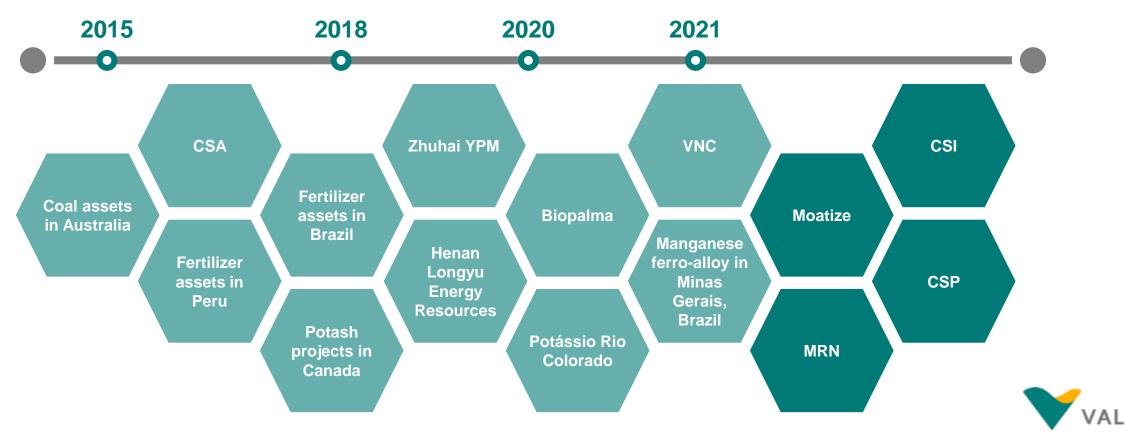


Production guidance 2021 315-335 Mt





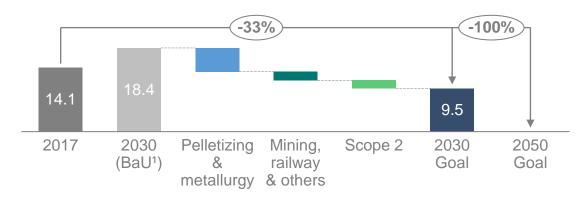
We are moving towards a leaner portfolio





A leader in low-carbon mining

Target to reduce 33% of scope 1 and 2 absolute emissions by 2030 *Mt CO*₂ *eq.*



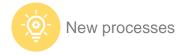
Main technological routes to drive decarbonization



Energy efficiency and renewables





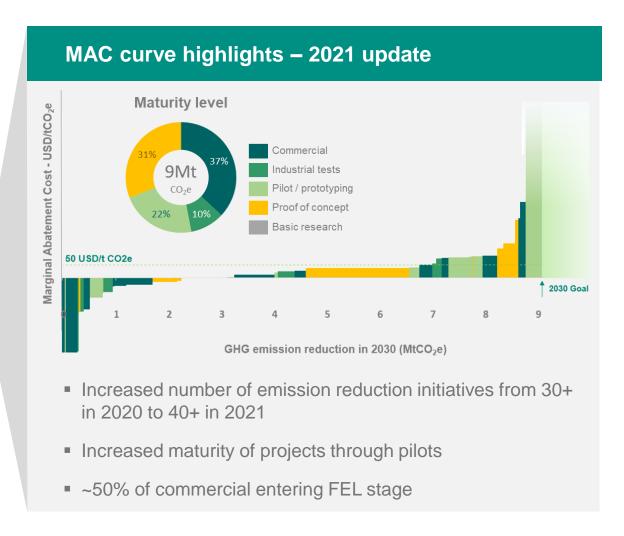






We are relying on robust tools to align our capital allocation

- Increase in low carbon CAPEX: US\$ 4-6 billion investment by 2030 for GHG reduction
- US\$ 50/tCO2e shadow price for all capital allocation decisions
- Portfolio of GHG reduction opportunities: marginal abatement cost curve updated on an annual basis, in order to prioritize most cost-efficient projects to pilot and scale up
- ~80% of initiatives mapped are NPV positive¹ at the considered shadow price, with increased technological maturity due to piloting and studies

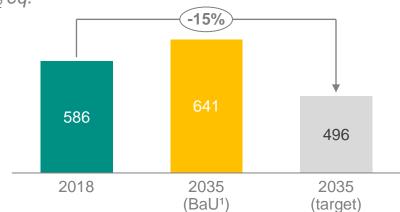




Pioneer scope 3 target

Absolute scope 3 net emissions





Partnership and engagement (75-85% of the <u>challenge</u>)

Leveraging steel industry decarbonization initiatives

Supporting a reduction in shipping emissions²

Vale's own initiatives (15-25% of the challenge)

Improving our high-quality portfolio

Developing new technologies and asset light solutions

Robust and credible carbon offsets

World's first ore carrier equipped with rotor sails Vitória, ES, Brazil



Note: Vale is also committed to revising its scope 3 target in 2025 and every 5 years, in order to reevaluate technological developments and global climate policy advancements.

¹ BaU stands for business as usual. Scenario based on production of ~400Mtpy iron ore. Reduction target based on Science Based Target Setting tool for Scope 3, including offsets.

² Target to reduce intensity in 40% by 2030 and 50% absolute emissions vs. emissions in 2008 (reference year).



Iron Ore Briquette to boost steel decarbonization

In-house, exclusive technology

Decades of experience with agglomerates Technology patented¹ in 47 countries

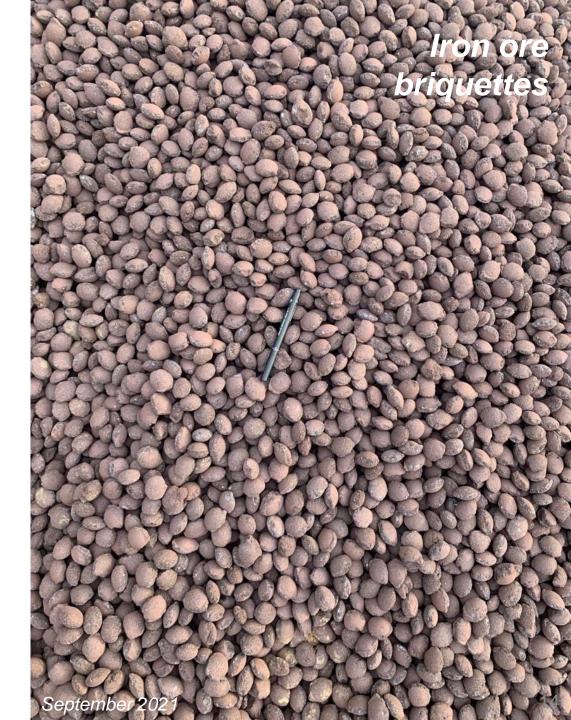
Less CO2 emissions

Blast furnaces: reduction of over 10% in BF-BOF route² **Direct reduction furnaces:** 80% less vs. pelletizing process³

3 plants under construction

A US\$ 185-million investment in Brazil, ~7 Mtpy capacity 5 other plants under analysis, up to 50 Mtpy capacity

¹ Patented or in submission process. ² Considering substitution of sintering. ³ Considering scope 1 and 2. Briquetting process also has 99% less SOx, 75% less NOx and 20% less particulates emissions than pelletizing process.







Our discipline in capital allocation continues

Reparation

- Brumadinho
- Renova
- ✓ Integral Reparation Settlement Agreement: US\$ 4.021 billion provision¹
- ✓ Renova Foundation: US\$ 2.491 billion provision¹
- ✓ Individual indemnifications, emergency aid and other reparation payments:
 US\$ 470 million¹

De-risking

- Safety & Operational Excellence
- Production resumption
- ESG
- Other obligations
- ✓ Provision of US\$ 2.155 billion for upstream dam decharacterization ¹
- ✓ US\$ 4-6 billion investment to reduce GHG by 2030²

Shareholder remuneration

Dividends 1H21

US\$ 6.1 billion

Dividends 2H21

US\$ 7.6 billion

Share Buyback Program

US\$ 4.8 billion³ disbursed until Sep/21

Growth opportunities

- Growth projects
- Other growth options
- Low-CAPEX growth options
- ✓ Salobo IV +30 ktpy
- ✓ Onça Puma 2nd furnace

VALE

¹ Balance of provisions as of June 30, 2021, exchange and present value adjustment. ² Initiatives to reduce scopes 1 and 2 emissions. ³ Calculated using the exchange rate (PTAX sell) on the buyback date.

We are delivering to close the gap

In **2020**, we said we would...

- Set a scope 3 net emissions target reduction (15% by 2035)
- Run the first Board Election with a Nomination Committee
- Launch the Integrated Report
- Double % of our female workforce by 2030
- Recover and protect +500,000 ha of forests by 2030

In **2021**, we...

- Reached a R\$ 37.7-billion settlement agreement for the Reparation of Brumadinho
- Announced US\$ 4-6 billion investments for scope 1 & 21
- Launched innovative iron ore products to reduce scope 3
- Reached 35%-increase of female workforce
- Linked 55-80% of executive

Our *next steps* are...

- Deliver 120,000 ha of our forest protection goal by late 2021
- Publish our TCFD Report in the next few weeks
- Decharacterize 1 more upstream structure by the end of 2021 (6 out of 30 already complete)
- Be fully compliant with the GISTM

short-term compensation to ESG Close ESG gaps factors

