Building the Vale of the Future

Investor Relations & Sustainability

December 11, 2023



Disclaimer

"This presentation may include statements that present Vale's expectations about future events or results, including without limitation: (i) our perspective for reduction of emergency level of dams on slide 9; (ii) our perspectives for deliveries in our Upstream Dam Decharacterization Program on slide 9; (iii) our perspectives for the Brumadinho Integral Reparation Agreement completion and deliveries on slides 19 and 21; and (v) our perspectives for deliveries in our ESG commitments on slide 26.

These risks and uncertainties include factors relating to our ability to perform our production plans and to obtain applicable environmental licenses. It include risks and uncertainties relating to the following: (a) the countries where we operate, especially Brazil, Canada and Indonesia; (b) the global economy; (c) the capital markets; (d) the mining and metals prices and their dependence on global industrial production, which is cyclical by nature; (e) global competition in the markets in which Vale operates; and (f) the estimation of mineral resources and reserves, the exploration of mineral reserves and resources and the development of mining facilities, our ability to obtain or renew licenses, the depletion and exhaustion of mineral reserves and resources. To obtain further information on factors that may lead to results different from those forecast by Vale, please consult the reports Vale files with the U.S. Securities and Exchange Commission (SEC), the Brazilian Comissão de Valores Mobiliários (CVM) and in particular the factors discussed under "Forward-Looking Statements" and "Risk Factors" in Vale's annual report on Form 20–F.

1. Opening remarks

Vale of the future: executing our strategy



- Benchmark in safety and dam management
- Regional social and economic development
- Shared value and trust
- People-driven culture
- Nature positive

Updates since 2022

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- Iron ore solutions
- Energy transition metals
- Customer centricity
- Technology innovation
- Circular mining



- Reliable operations and consistent delivery
- Attractive cash return to shareholders
- Strong balance sheet
- Cost, capex and capital allocation efficiency





2. Safety Journey

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Enhancing safety



Click here to watch a video Safety Journey

Progressing on dam safety

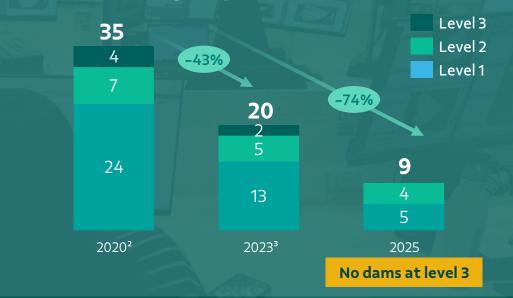
Since 2019



Upstream dam decharacterization program

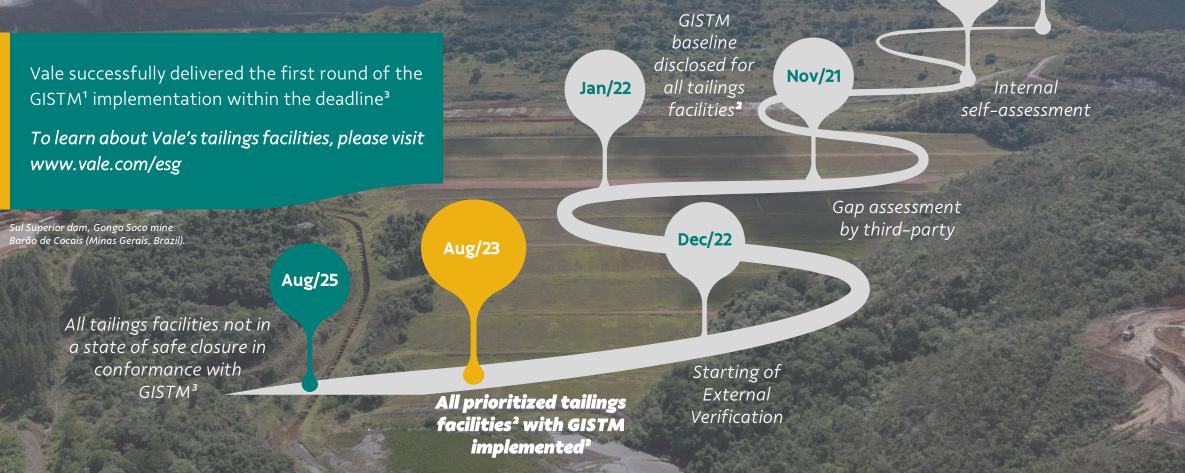






Geotechnical Monitoring Center (Nova Lima, Minas Gerais, Brazil)

Milestone achieved for safer tailings management



Aug/20

Jan/21

¹ Global Industry Standard for Tailings Management. ² Prioritized facilities are those with the consequence classification as "Extreme" and "Very high" according to the GISTM consequence classification table. Including all tailings facilities within the GISTM Conformance Protocols criteria. Conformance is determined by evaluating whether Vale can demonstrate the implementation of all applicable Requirements in a manner that aligns with the Standard and is not in conflict with the law, using Conformance Protocols to support the integration of the Standard into the assurance and validation processes. The outcome for each requirement can fall into one of three categories: "Meets," "Partially Meets," or "Does not Meet." In some cases, a requirement may not be applicable depending on the circumstances of a tailings facility.

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Understanding the level 3 emergency upstream dams (2 structures)

2019 scenario:

- Immediate response to the B1 dam failure
- Dams with same technical characteristics of B1
- Change in the technical criteria to address liquefaction risks. Adoption of minimum parameters.
- No change or degradation in the dam conservation status.
- Adoption of remote monitoring and remote inspections

2023 scenario:

- Back-up dams downstream to reduce potential consequences
- Measures to improve stability and safety conditions.
- 3 years of heavy rains recorded, and good performance measured
- Conclusion of the B1 technical investigation by different world's top experts
- In-depth studies to improve knowledge on the them
- 1 dam reduced from Level 3 to Level 1 as a result of technical works

Level 3 —> No longer with access of people —> Total Evacuation of all people downstream

Level 3 dams' status



- Advanced stage of Engineering
- Backup dam downstream in place
- Downstream communities evacuated



- Started tailings removal
- Backup dam downstream in place
- Downstream communities evacuated

New way to operate to reduce tailings and the use of dams

- ✓ 4 filtration plants in operation
- US\$ 2.5 bi invested
- Dry tailings used as co-products





Sand as raw material for civil construction

Agera:

- Created to develop our Sustainable Sand business
- ~900kt already used in civil construction and road paving

Circular mining approach

Safety Journey

Substantial progress in dam safety and tailings management



3. Mariana Reparation

Important deliveries in Mariana's reparation

~R\$ 34 billion

disbursed in 42 compensation programs

Compensation

+434,000 people indemnified

+R\$ 16 billion paid in compensation

⁹ Resettlement

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+81% of housing solutions delivered (552 out of 675)



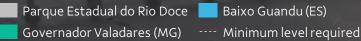
Permanent infrastructure:

- 10 sewage treatment stations
- 17 water treatment systems
- 18 water distribution networks

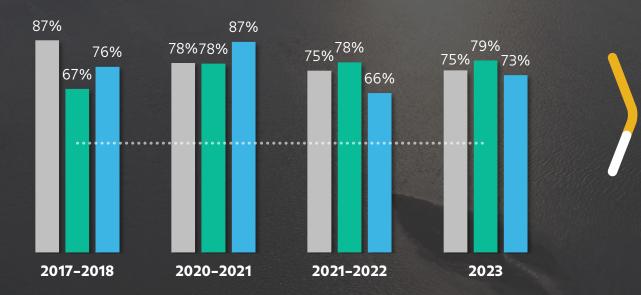
Bento Rodrigues resettlement, Mariana, Minas Gerais, Brazil)

Substantial progress on Doce River recovery

Water Quality¹ – Doce River:



Baixo Guandu (ES)



1.5 million data points per year 80 monitoring points 22 automatic monitoring stations 690 km of water monitoring 145 monitoring parameters

Doce River, Minas Gerais, Brazil

¹ It refers to the Framework Compliance Index (ICE) which compares compares the results of the water quality parameters achieved in the monitoring with the reference values of the legislation. The data refers to the rainy season. For more information on the Doce River Recovery, please access: https://monitoramentoriodoce.org/ice-elementos-potencialmente-toxicos/.

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4. Brumadinho Reparation

An expedited Brumadinho reparation

Individual compensations

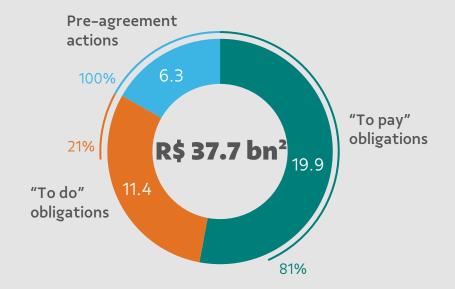




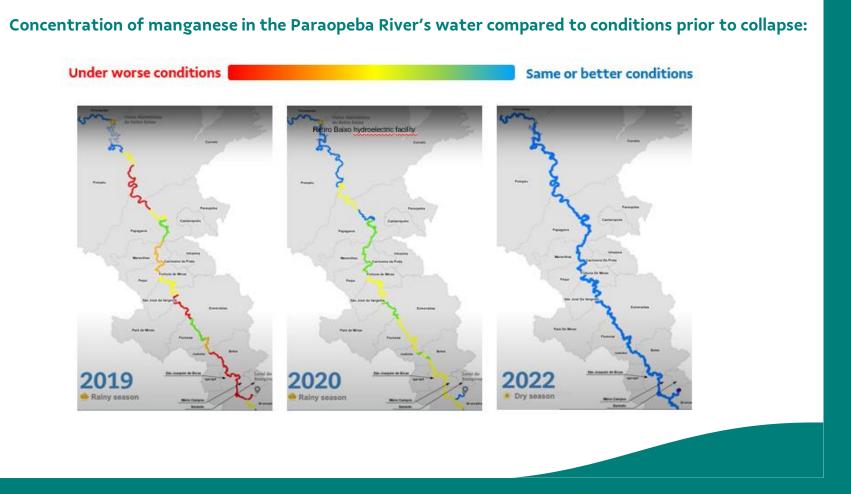


Integral Reparation Agreement

(R\$ billion)



Significant improvement in water quality, comparable to or surpassing pre-collapse levels during the dry season



Data are corroborated through means of monitoring carried out by the Minas Gerais Water Management Institute (Igam)

Brumadinho reparation

We are restoring biodiversity through fauna and flora rescue, area recovery, species monitoring, and animal care



From 658 hectares that will be recovered until 2029, 175 hectares (26.6%) are already in the process of environmental recovery (around 100,000 seedlings of native forest species of the Brumadinho region have been planted).

We have implemented projects to transform experiences, foster economic development and improve quality of life



Valorizar Program, with a total of 58 awardwinning social organizations to support income generation



Cultivar Project, with 877 inputs and seeds donated to 25 producers to support agricultural productior



Professional training, with 144 residents of local communities trained



Collectors of Recyclable Materials Program, currently trains 199 participants

Promoting comprehensive reparation in affected communities involves actively engaging and working together with the community

- The Family Reference Program provided more than 111,000 psychosocial services and +3,500 people served
- Creation of the Community Center: Integrative Practices for the family members victims, co-managed by AVABRUM¹
- Mental health compensation extended, after active listening the families

- Health Cycle Program: donation of +5,750 pieces of equipment delivered and +3,200 professionals trained
- Comprehensive Assistance Program for Affected People: activities in financial education, productive recovery, assisted purchasing and psychosocial support, with +5,300 people served and 80% of services completed
- Temporary housing and hotels: social support to +730 families

¹ AVABRUM – Association of the Family's Victims and People Affected by the rupture of Córrego do Feijão's dam.

And today, what do we still need to do?

- **Find** the three remaining "gems" (victims)
- **Finalize** pending compensation
- Comply with all the commitments made and agreements signed, contributing to improving the quality of life in the affected municipalities
- **Continue to recover** the Paraopeba River
- Carry out the complete management and disposal of the tailings
- Restore confidence among all stakeholders
- ... And dialogue, dialogue, dialogue!



5. Closing remarks

Closing remarks

Going beyond reparation, our ESG commitments to the needs of society



Climate Change

Reduce absolute GHG emissions, from Scopes 1 and 2, in 33% by 2030; Achieve zero net emissions in Scopes 1 and 2 by 2050; Reduce Scope 3 emissions by 15% by 2035.



Energy

Consumption of 100% renewable electricity in Brazil by 2025 and globally by 2030



Forests

Recover and protect +500,000 ha by 2030 beyond the company's borders.



Atmospheric emissions

Reduce PM and SOx emissions by 16% and Nitrogen Oxide emissions by 10%.



No tailings dams in critical safety condition (emergency level 3) by 2025; Implementation of GISTM in operations by 2025; Decharacterize all upstream dams in Brazil by 2035.



Dams





S (Social)



Diversity & Inclusion

26% representation of women by 2025 and 40% of leadership positions in Brazil occupied by black employees by 2026.



Health and Safety

Zero the number of recordable high potential injuries (N2) by 2025



Resilient Communities

Support 500,000 people out of extreme poverty;



Indigenous Peoples

Support indigenous communities neighboring Vale's operations in their plans in pursuit of the rights aligned to UNDRIP¹

Social Performance

To appear in the TOP 3 in the social requirements of the main external evaluations; (MSCI, Dow Jones and Sustainalytics);

ESG Gaps

Close key ESG gaps against best practices by 2030

E (Environment)



Vale further enhanced its Human Rights management and practices

 Vale's first Human Rights Policy Structuring the management of Human Rights (macroprocesses) Human Rights Policy review: partial alignment to UNGPs 		 Restructuring of Community Relations and Human Rights Areas Grievance Mechanism implemented Due Diligence in Human Rights (HRDD) Pilot 		 Sustainability VP established Social Ambition Social KPIs (results oriented) 	
	2015-18		2019-2022	2	2023
		\rightarrow		\rightarrow	<pre>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>></pre>
2009–14	 Social KPI (process oriented) Emergency Action Plan for Mining Dams Social Performance Model 		 Full alignment of Human Rights Policy with UNGPs with public consultation Inclusion of Human Rights risks in Vale's Risk Map & Management System (VPS) Human Rights Roadmap & HRDD commitment HRDD pilot in suppliers Brazil 		 100% of operations with Human Rights risk assessment 76% of HRDD performed 100% of active operations in Brazil with HRDD 100% of direct employees receive a living wage Advance HRDD in suppliers with international assessment Support Indigenous Peoples and Traditional Communities by promoting their rights and their development under UNDRIP

Closing remarks

A clear pathway towards an even greater Vale





Delivering on our priorities

- Progressing in Brumadinho and Mariana reparation
- Enhancing our tailings & dam management
- *Rebuilding trust with society*



In Iron Ore Solutions

- Resuming and stabilizing operations
- Developing iron solutions for low carbon steel industry



In Energy Transition Metals Growing in transition metals for EV industry

