2022 BofA Securities Global Metals, Mining & Steel Conference

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VITORIA A MINAC

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Disclaimer

"This presentation may include statements that present Vale's expectations about future events or results. All statements, when based upon expectations about the future involve various risks and uncertainties. Vale cannot guarantee that such statements will prove correct. These risks and uncertainties include factors related to the following: (a) the countries where we operate, especially Brazil and Canada; (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."



We are building a better Vale

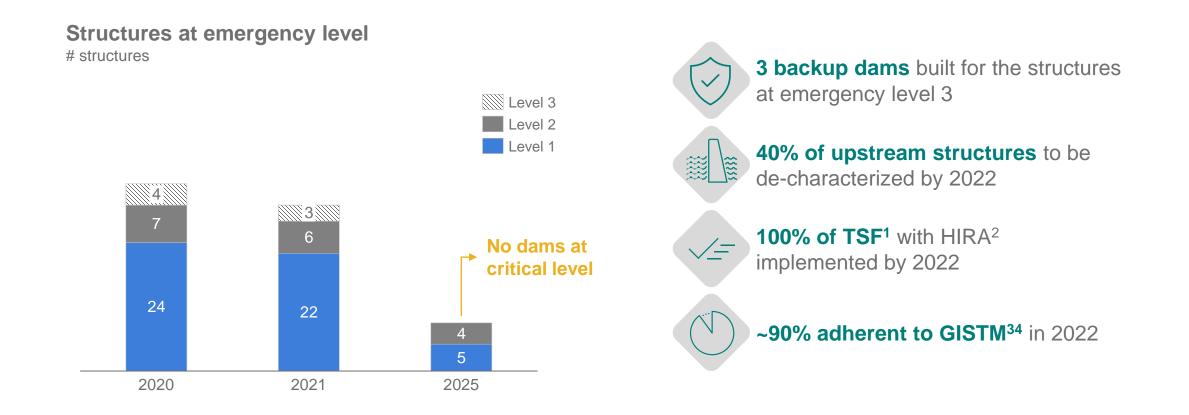


Sound cash flow generation

Discipline in capital allocation



Best practices supporting key achievements in dam management



¹ Tailings Storage Facility. ² Hazard Identification and Risk Assessment. ³ Global Industry Standard on Tailings Management. ⁴ Based on the external audit results. Structures held by joint-ventures are not included.



Building a sustainable performance in H&S underpinned by VPS best practices



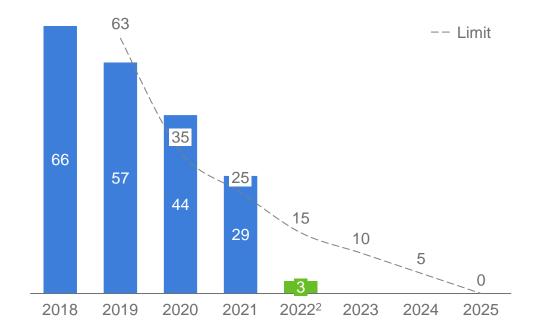
Strengthening the culture of safety



Reinforcing **risk management** through **HIRA**¹, with 100% of Vale's sites assessed in 2021

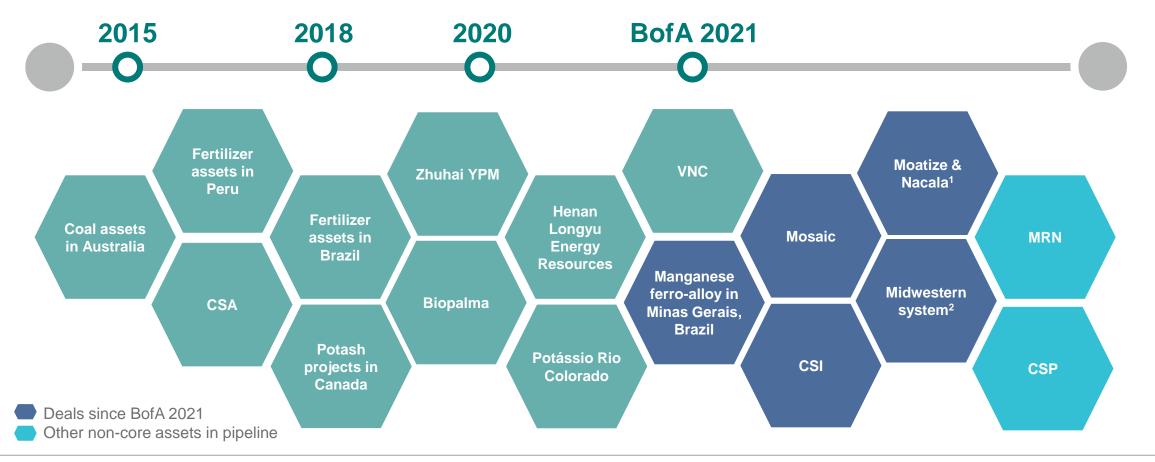


Empowering our workforce with **Transparency**, **Leadership and Performance** through **VPS** **Reduction of high-potential recordable injuries** N2 – absolute values





We made substantial progress in reshaping our portfolio



¹ Vale entered into a biding in December 2021 and announced the closing of the transaction in April 2022. ² Vale announced in April 2022 that it has signed a binding agreement for the sale. The completion of the transaction is subject to compliance with the usual precedent conditions.



Vale is uniquely positioned to benefit from secular trends affecting mining

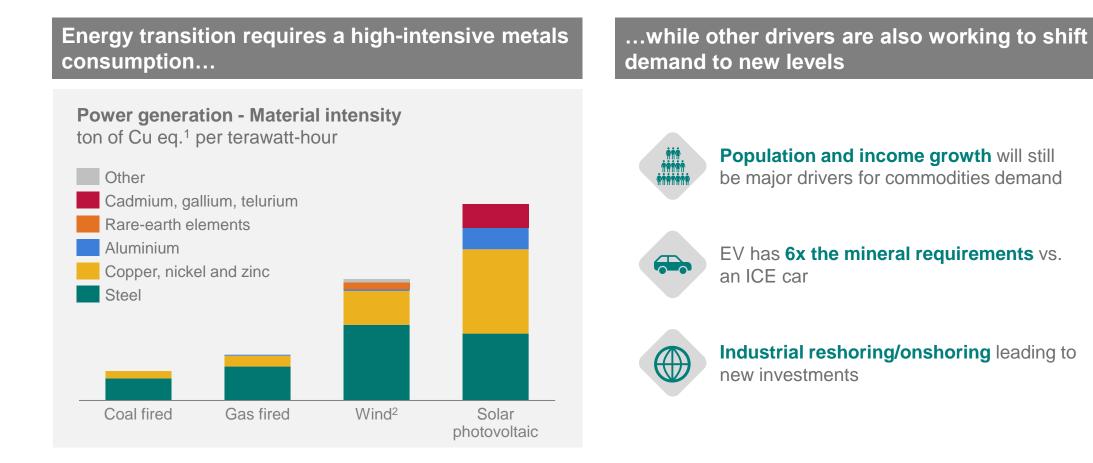
Energy transition and decarbonization: resilient demand (including for Class I Iron Ore!)

Supply constraints: depletion, ESG, complex jurisdictions, slower time-to-market

Geopolitics dynamics: rising restrictions on sourcing, nearshoring, scarcity value



Metals intensity should increase in an energy-transition world

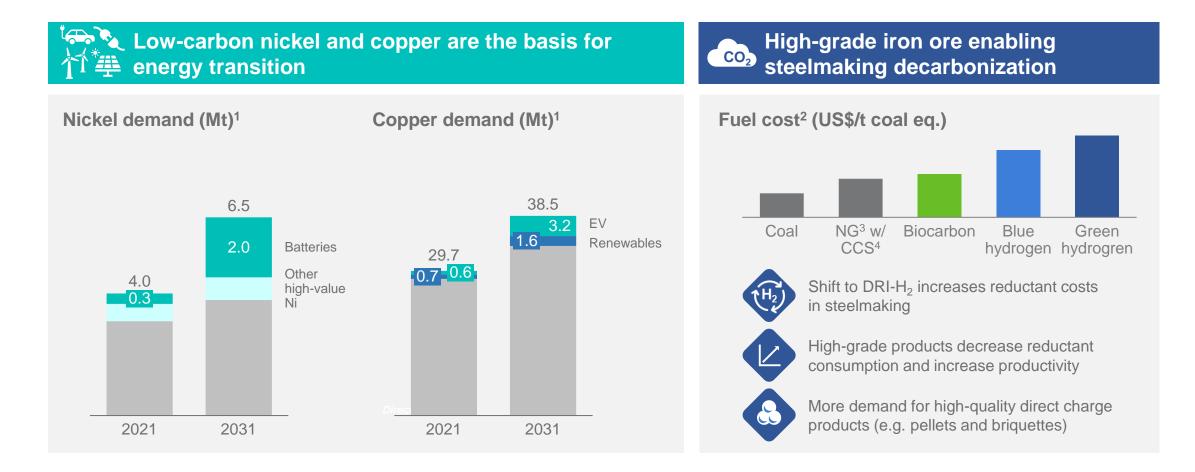


Source: World Steel Association, IEA, BofA and McKinsey & Company.

¹ Copper equivalent. Cu eq, conversion used 2015–21 average prices for each metal. ² Estimated average across different technologies, for onshore and offshore.



Energy is the name of the game

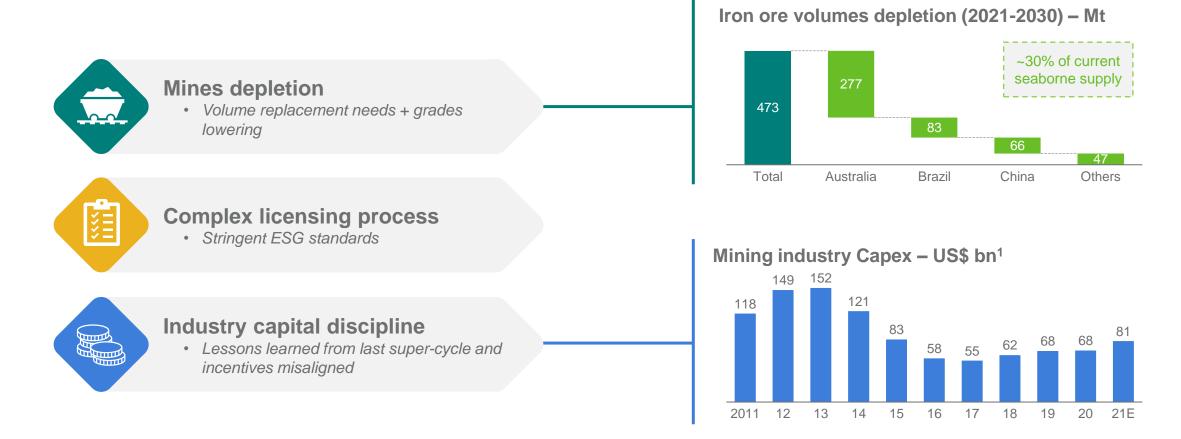


Source: Vale's estimates.

¹ Total demand. Includes secondary demand (scrap). ² Assumptions: Biochar@\$250/ton; Electricity@\$30/MWh; CCS@\$60/ton.CO₂ ³ Natural gas. ⁴ Carbon capture and storage



Underestimated supply restrictions lead to a stronger-for-longer commodities cycle



Source: Vale analysis and PWC Mine 2021 Report. ¹ Considers Top 40 Metals & Mining companies. Capex adjusted by US PPI (\$2021 real).

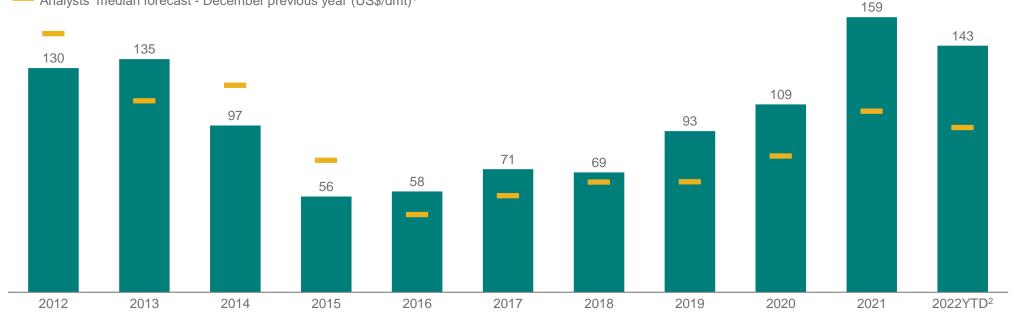


Since 2016, forecasts have underestimated iron ore prices

Iron ore CFR China price (US\$/dmt)

Average price performed (US\$/dmt)

---- Analysts' median forecast - December previous year (US\$/dmt)¹

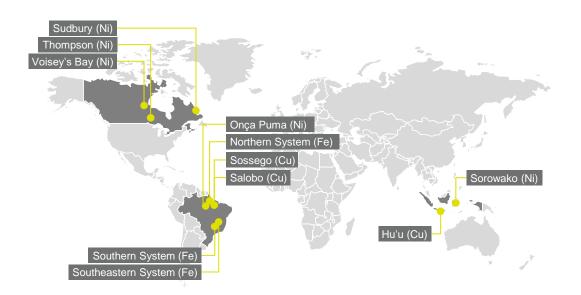


¹ Median based on estimates from December Y-1 of each year. ² Up to April 13th, 2022. Median estimate is a yearly forecast.



Vale is uniquely positioned to thrive

Over 100 years of technical expertise aligned with the right assets in the right jurisdictions

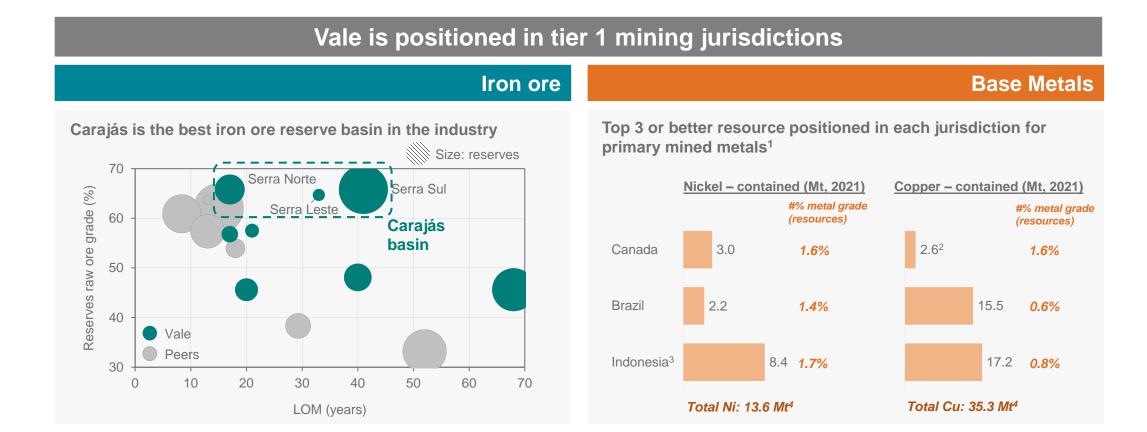


Large resource base	Cost competitive
 Carajás mining province (Fe and Cu) Top 3 or better resource position in each jurisdiction in Base Metals 	 1st and 2nd quartile in most of assets Quality premiums and by-products revenues
Green portfolio	Growth opportunities
 Premium iron ore (IOCJ, BRBF pellets, briquettes) Nickel class 1 Copper 	Capacity resumption in iron oreBase metals projects



Sizable reserves and resources enable supply optionality and long-life valuation





Source: Vale and peers annual reports.

Note: Vale's 2021 Mineral Resource estimates as of December 31, 2021. Mineral Resources are inclusive of reserves measured, indicated and inferred categories. All tonnage information has been rounded to reflect the relative uncertainty in the estimates. ¹ Primary mined metals refers to nickel for Canada, copper and nickel each for Brazil and Indonesia. For Canadian copper, which is a byproduct, Vale is not Top 3 in resources. ² Copper is a byproduct of Canadian nickel operations. ³ Minerals resources are shown in 100% basis. Considering Vale's interest in PTVI (44.3%) and PT STM - Hu'u project (80%), resources in Indonesia in equity basis would be 3.7 Mt for Nickel and 13.7 Mt for Copper. ⁴ Total minerals resources are shown in 100% basis. Considering Vale's interest, resource in equity basis would be 8.8 Mt for Nickel and 31.8 Mt for Copper.



Competitive cost structure to deliver value across the cycle

 Large resource base
 Cost competitive

 Green portfolio
 Growth opportunities

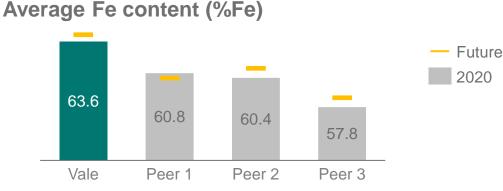


¹ Iron ore fines and pellets EBITDA break-even. Does not include sustaining investments. ² COGS after by-products revenues in 2021.

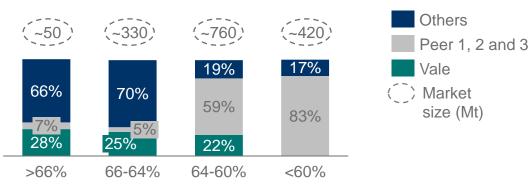


We are growing our Class-1 iron ore portfolio to decarbonize steelmaking...

Large resource base	Cost competitive
Green portfolio	Growth opportunities



Seaborne supply by Fe grade (%, 2020)¹





Source: Vale's analysis.

¹ Considering final products sales grade, including blended products. Does not include Chinese domestic production. ² Considering the substitution of sintering process in steelmaking plants (BF-BOF route). Green briquette is a breakthrough technology developed in-house and patented by Vale.

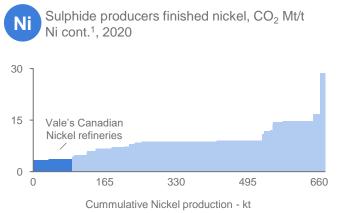
2020



... while supporting economy electrification in Base Metals



Low-carbon base metals operations



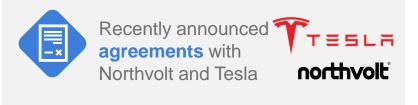




Cummulative Copper production - kt

Certificate of carbon footprint for nickel products:

Rounds from Long Harbour Pellets and powders from Sudbury ^{NEW} Pellets from Clydach ^{NEW} Leveraging our low-carbon footprint and market-leading position as North America's largest producer of finished nickel:





Target to deliver **30% to 40% of Class 1 nickel** sales into the fast-growing **EV industry**

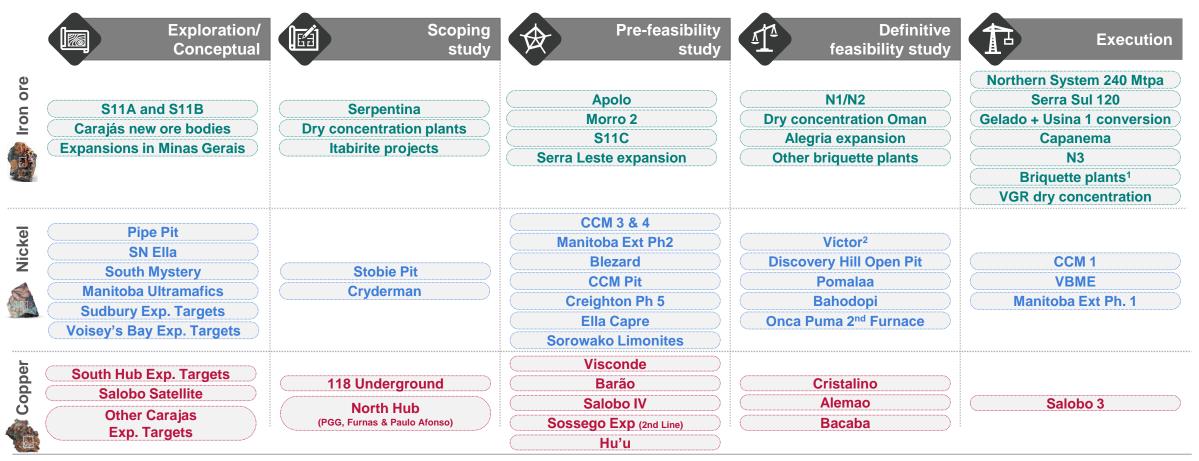
VALE

Source: Vale and Skarn. ¹ Scope 1 and 2.

One of the best project portfolio in the industry...

 Large resource base
 Cost competitive

 Green portfolio
 Growth opportunities



Note: Stages of development are not indicative of schedule of approval. Only those in execution have been approved.

¹ Includes Vargem Grande (0.75 Mtpy) and Tubarão 1&2 (6 Mtpy) briquette plant projects. ² Victor is expected to produce ~20kt of copper. It is allocated to the nickel business as it should feed into the North Atlantic nickel flowsheet.

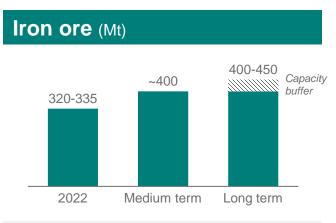


... leading us to accretive and broad growth opportunities

 Large resource base
 Cost competitive

 Green portfolio
 Growth opportunities

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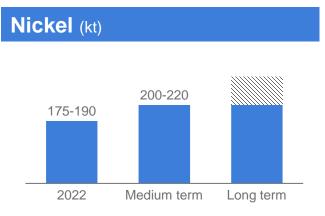


Medium term

- Tailings' filtration plants and start-up of Torto dam and raising of Itabiruçu dam
- S11D capacity/performance, licensing in Serra Norte and Gelado project
- Capanema project

Long term

- Production flexibility in Northern System
- Logistics expansion in Northern System



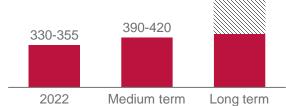
Medium term

- Stable production at North Atlantic and new projects (VBME, CCM 1 and Victor).
- Onça Puma stabilization
- PTVI furnace rebuild
- Onça Puma 2nd furnace

Long term

 Extensive drilling program in Canada and optionality in Indonesia

Copper (kt)



Medium term

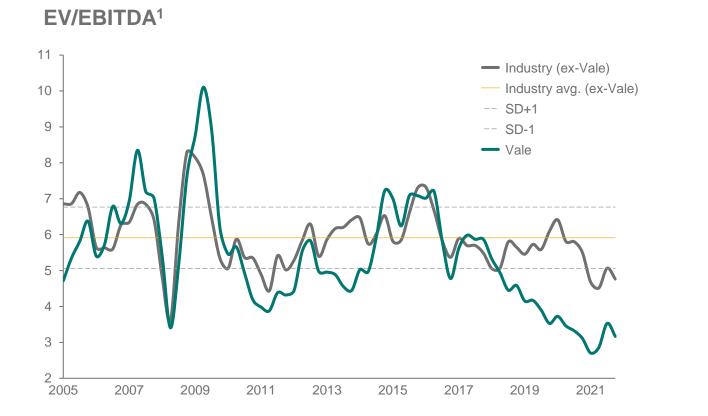
- Stable production at North Atlantic mines
- Salobo III start-up in 2H22

Long term

- Growth optionalities in Carajás region (e.g. Alemão, South Hub extension, North Hub extension Salobo IV)
- Hu'u development in Indonesia



We are walking the talk to close the gap, but industry is also materially underrated





Progress of the **derisking, reshaping and re-rating** agenda



Unlock Base Metals value achieving sectorspecific multiples

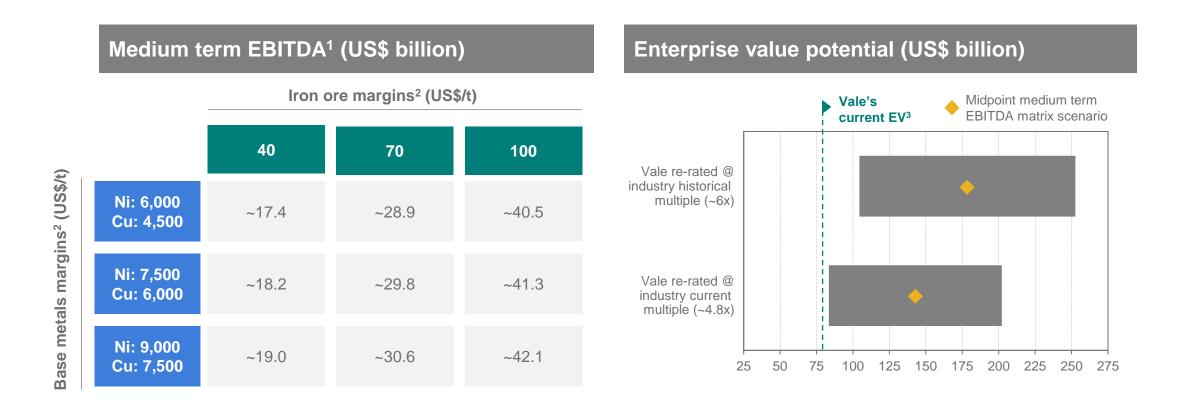


Maintenance of solid return to shareholders

Source: Bloomberg. Includes data from Vale, Anglo American, Antofagasta, Barrick Gold, BHP, FMG, Freeport-McMoRan, Glencore, Nornickel (until end of 2021), Rio Tinto, South32, Teck and Xstrata (former). ¹ Consensus analysts median 12M forecast EBITDA.



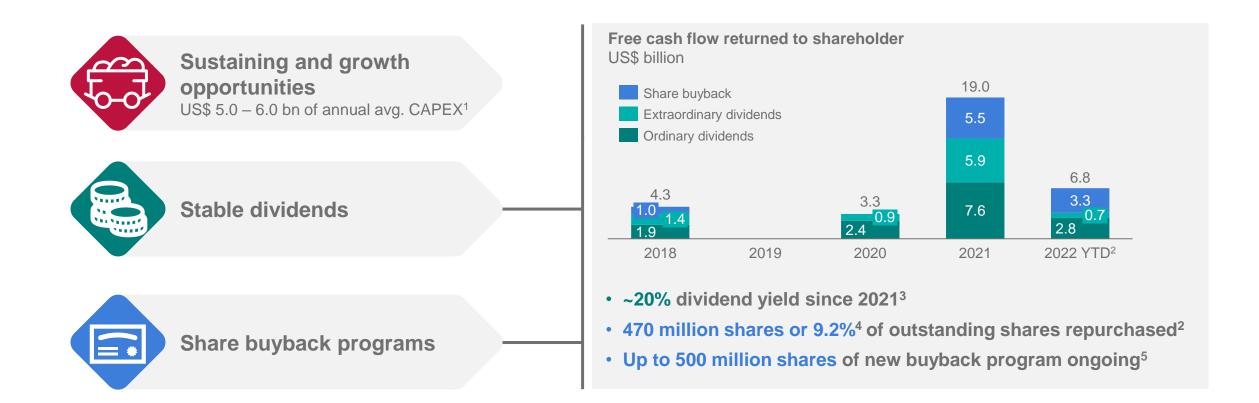
Coupled with growth, Vale can unlock substantial value



¹ Sensitive analysis. Assuming ~385 Mt of iron ore and pellets sales (considering pelletizing process losses and inventory transportation and management), ~220 kt of Ni sales and ~420 ktpy of copper sales (including copper as by-product). Considers others non-related business costs and expenses. ² EBITDA per ton. Iron ore@US\$100/t, nickel@US\$9,000/t and copper@US\$7,500/t margin scenario refers to the approximately margins of 2021 and iron ore@US\$40/t, nickel@US\$6,000/t and copper@US\$4,500/t margin scenario refers to the approximately margins of 2018. ³ As of May 13th, 2022.



Committed to generate solid shareholder returns



¹ Including growth and sustaining capex. ² As of May 16th, 2022. Considers programs announced in April 2021 and October 2021. ³ Including ordinary and extraordinary dividends paid in 2021 and in March 2022. Considering share price and outstanding shares of December 31st, 2020. ⁴ Considering 5,130,801,436 outstanding shares as of March 2021. ⁵ Announced on April 27th, 2022.



On track to deliver value to all stakeholders

Materially de-risked and reshaped portfolio

Uniquely positioned to thrive from sector trends and asset base

Capital discipline and superior return to shareholders to remain a priority

Substantial value creation opportunity from growth and re-rating

