

THE BREAKTHROUGH AGENDA REPORT 2022

BREAKTHROUGH
AGENDA

Accelerating Sector Transitions Through Stronger International Collaboration

Will Hall, International Energy Agency



UN Climate Change High-Level Champions
in collaboration with:

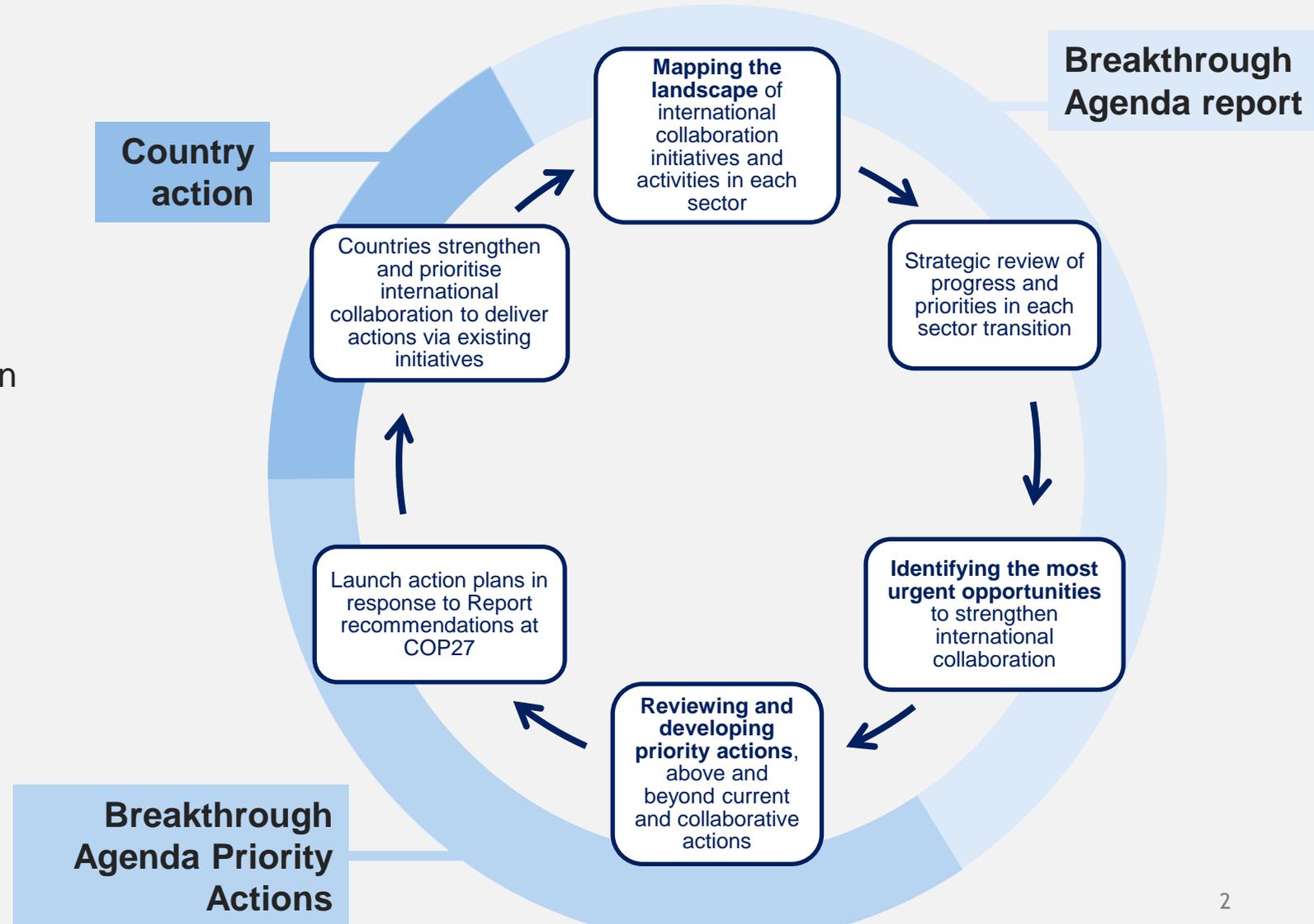
Marrakech
Partnership



Breakthrough Agenda process

Key outputs

- **Breakthrough Agenda Report (Sept 2022):** Independent report, led by the IEA, IRENA and the UN High Level Action Champions, drawing on a wide evidence base and with extensive consultation. **Tracks progress and recommends priorities** for strengthen collaboration.
- **Breakthrough Agenda Priority Actions (November 2022) Plans:** Developed in collaboration with Breakthrough Agenda signatories and major international initiatives. **Responds to the Report recommendations** by outlining commitments from countries and initiatives to ongoing and new collaborative actions.

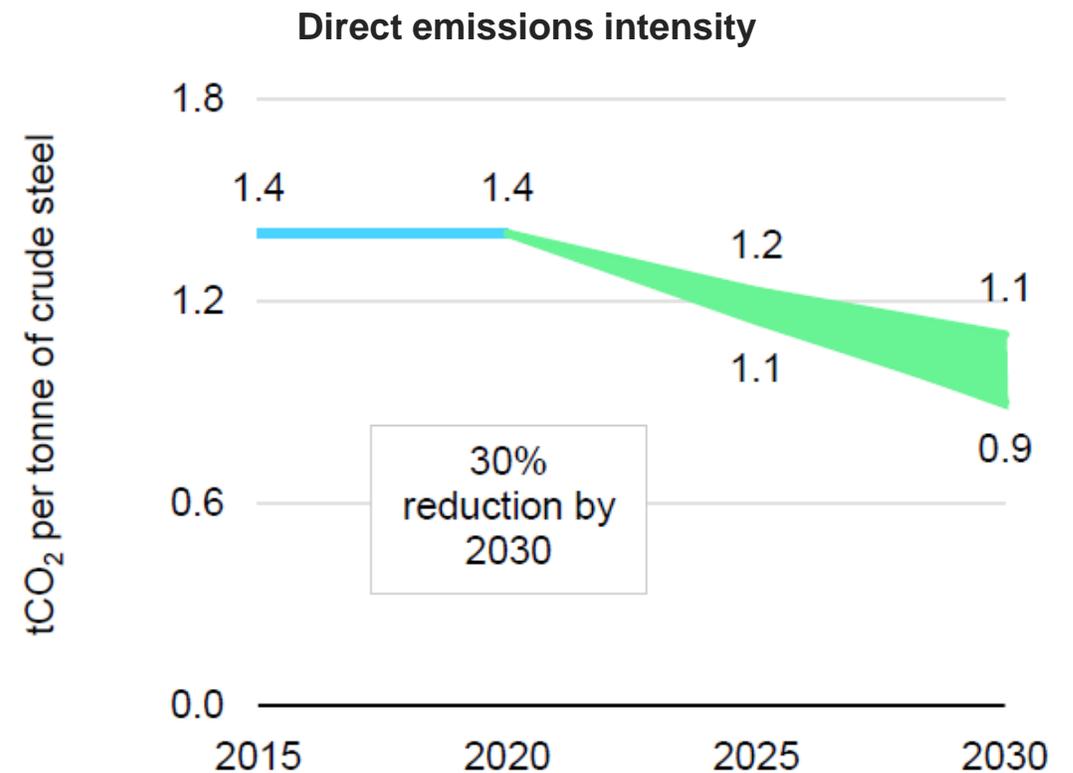
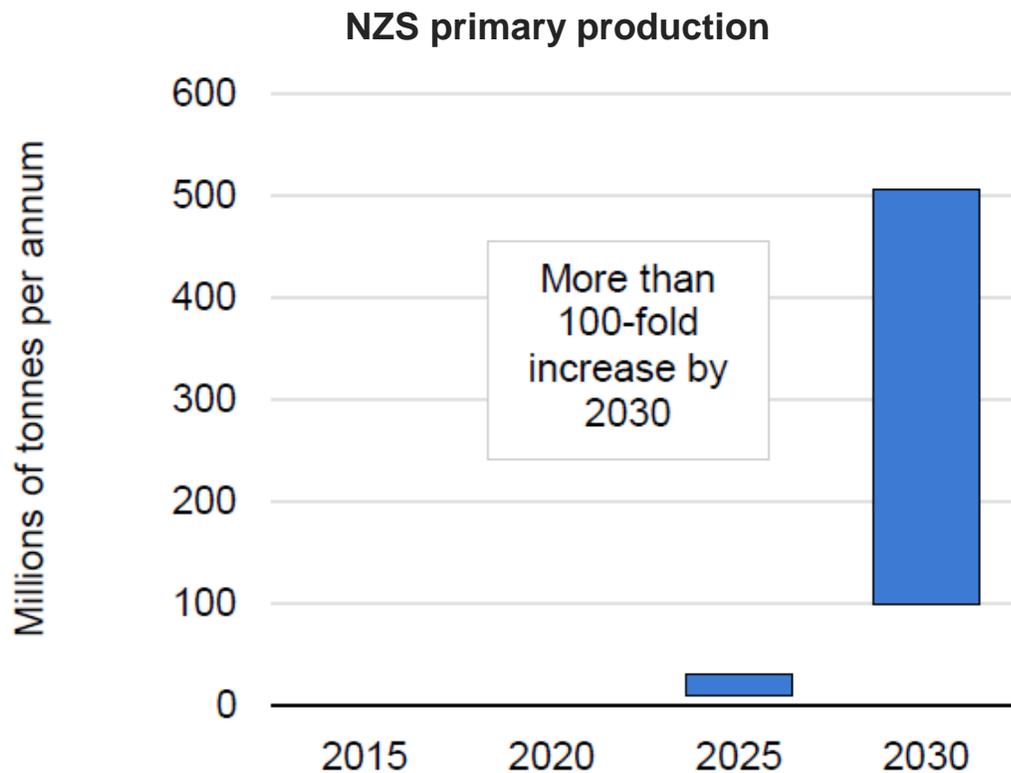


Steel Breakthrough

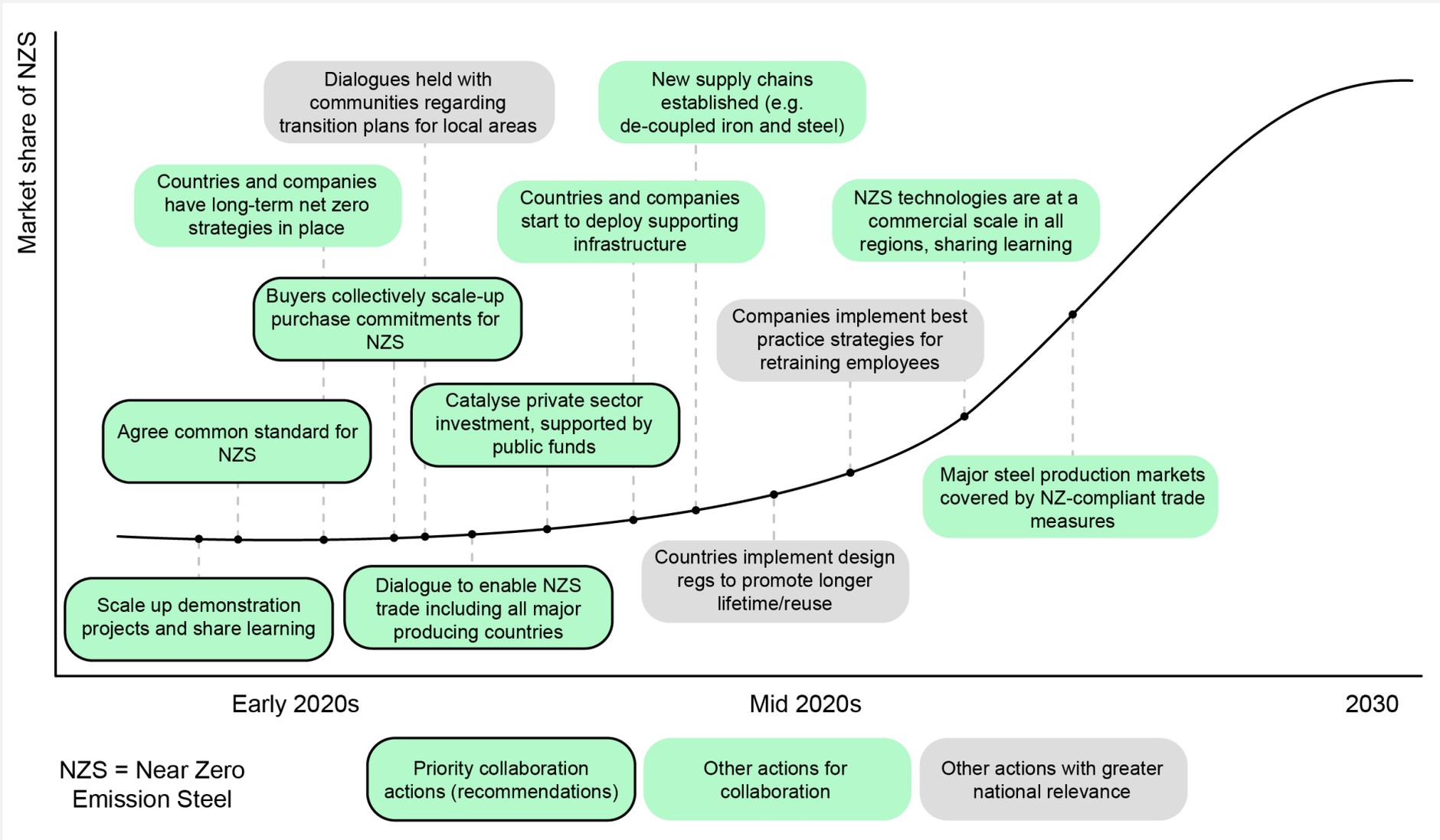
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“Near-zero emission steel is the preferred choice in global markets, with efficient use and near-zero emission steel production established and growing in every region by 2030.”



How do we get there?



Landscape of initiatives

Long-term Vision & Action Plans	Leadership Group for Industry Transition	Mission Possible Partnership	World Steel Association
Demand Creation & Management	CEM's Industrial Deep Decarbonisation Initiative	First Mover Coalition	SteelZero
Infrastructure & Supply Chains	[under consideration]		
Finance & Investment	GFANZ		RMI Centre for Climate Aligned Finance
Research & Innovation	Mission Innovation's Net Zero Industries Mission	IEA's Industrial Energy-related Technology and Systems TCP	Global Low-Carbon Metallurgical Innovation Alliance
Market Structures	[under consideration]		
Standards & Certification	ResponsibleSteel	First Movers Coalition	CEM's Industrial Deep Decarbonisation Initiative
Trade Conditions	OECD Steel Committee		WTO Trade and Environmental Sustainability Structures Discussions
Knowledge, Capability & Skills	[under consideration]		
Social Engagement & Impact	[under consideration]		
Landscape Coordination	Steel Breakthrough in partnership with the initiatives below		

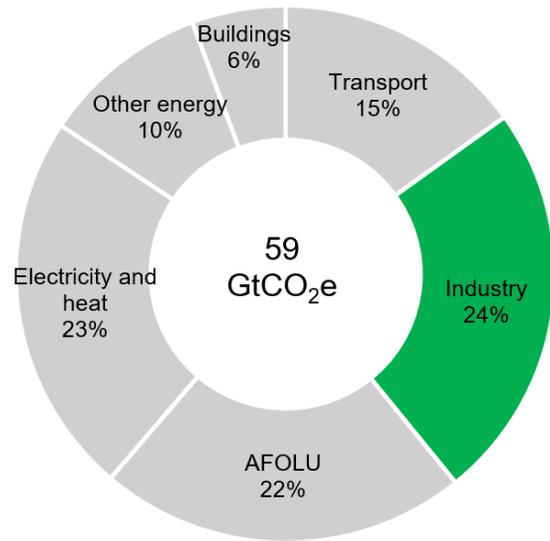
Recommendations for stronger collaboration

Given where the steel sector currently stands in its transition, five areas stand out as priorities for strengthening international collaboration, where we recommend the following:

- Urgently agreeing on common **standards** for near zero emission steel
- Rapid scale-up of high-quality commitments to **purchase** near zero emission steel
- Agreeing an approach to enable the **trade** of near zero emission steel that rewards first movers, whilst providing support for a broader set of fast followers
- Immediately increasing public and private funding for **research and innovation**, supported by effective collaborative networks
- Increasing international assistance to catalyse private sector **investment** in pilot, demonstration and commercial-scale plants

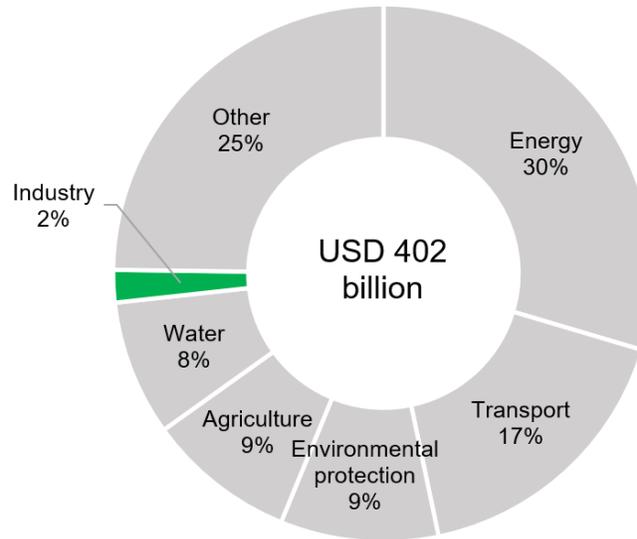
Increasing international assistance to catalyse private sector investment in pilot, demonstration and commercial-scale plants

Global GHG emissions, 2019



Source: AR6 WG3 (IPCC, 2022)

Total development finance committed to climate change, 2000-2020



Source: Climate Change (Aid Atlas, 2022)

Recommendation 5

Donor countries should coordinate with multilateral development banks (MDBs) to led by the priorities of developing countries, in consultation with recipient country, should significantly increase funds supporting industry transition to near-zero emission technologies in emerging and developing countries. *This will provide much needed, near-term technology and financial support to unlock additional private sector capital for the first wave of near-zero emission projects in key steel producing countries, especially for EMDEs.*