



Breakthrough Agenda Landscape Maps for Initiatives

November 2022

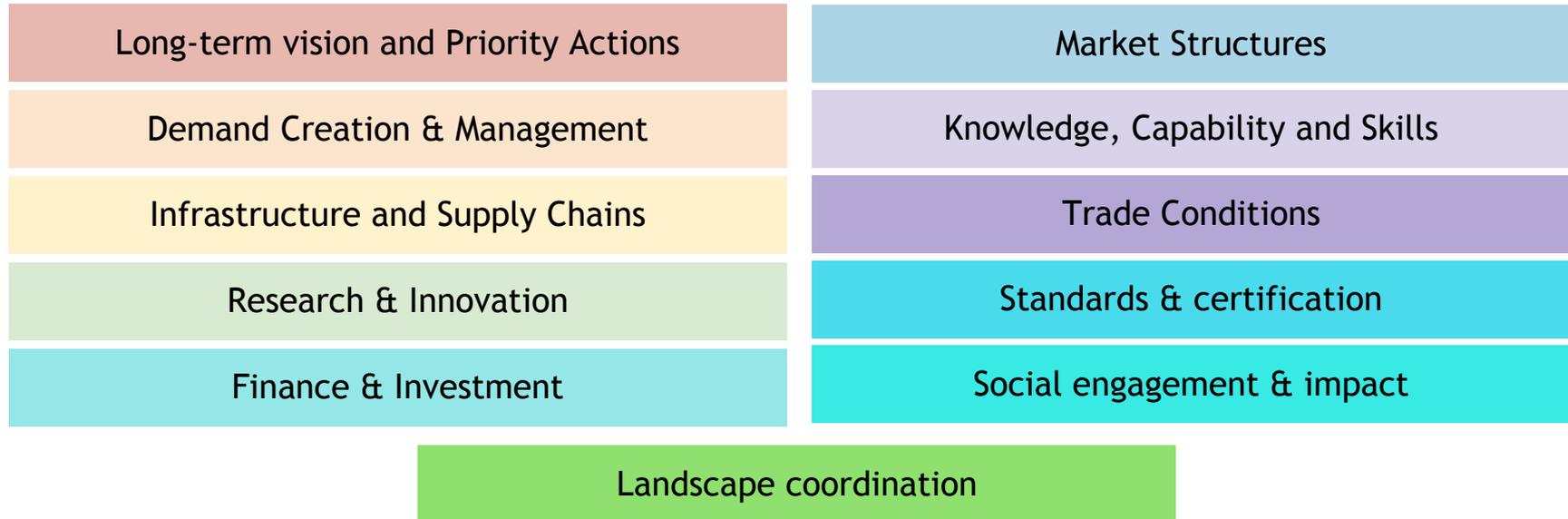


- For each Breakthrough, we have worked with key international initiatives and country signatories to identify the existing landscape of activity, and how international initiatives contribute towards progress in that sector.
- The following slides provide an overview of the landscape of global international collaboration for each of the Breakthroughs: Power, Road, Steel, Hydrogen and Agriculture.
- The summary describes each initiative's main workstreams for 2022-2023.
- They encompass a range of initiatives including those led by the public sector, private sector, and both in partnership. These are not intended to be an exhaustive list. There are many local and national initiatives which will also play an important role in implementation. Our intention is to build a better shared understanding of the global landscape, to enable better coordination and maximise the value of all the work we do together.
- The Breakthrough Agenda report authors have used these landscape maps to inform their assessment of where there are gaps in activity or ongoing work that can be strengthened. The Priority Actions launched at COP27 look to crowd-in further support for work undertaken by key existing initiatives within this landscape that directly relate to recommendations in the Breakthrough Agenda report.

Landscape maps - context

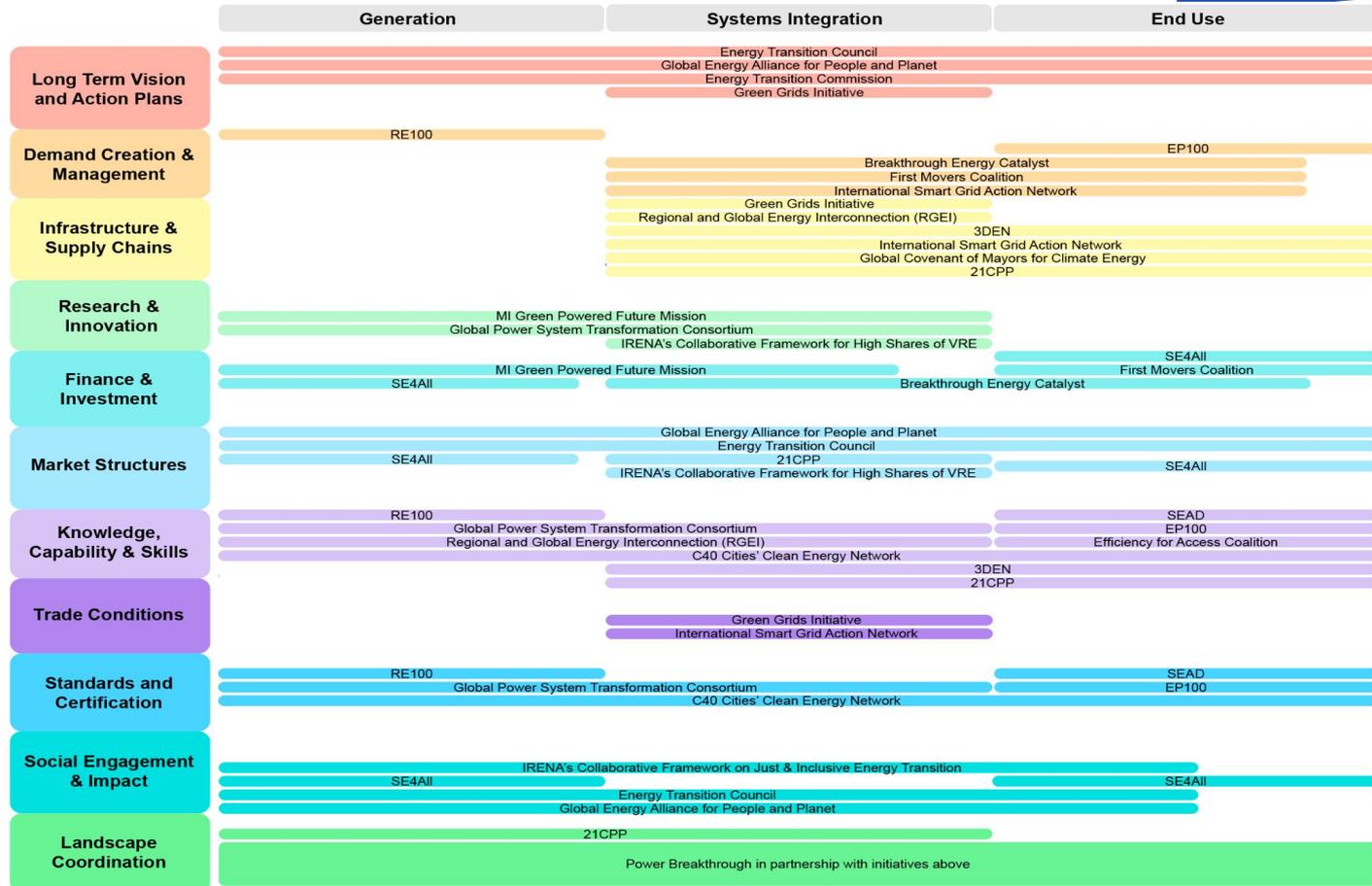
The mapping exercise explores the extent to which current international collaborations/initiatives fully address the enabling conditions outlined in the Breakthrough Agenda Report.

The common enabling conditions identified in the Report are:



Power Breakthrough

Map of the Power Sector



Key international initiatives working in the power sector

Initiative	Brief summary of overall objectives	Category (public /private)	Main workstreams 2022-2023
MI – Green Powered Future Mission (GPFM)	To demonstrate that by 2030 power systems in different geographies and climates are able to effectively integrate up to 100% Variable Renewable Energy (VRE) in their generation mix while maintaining a cost-efficient, secure and resilient system.	Public & Private	GPFM Action Plan 2022-2024 including the following workstreams: 5 Demos in Five Continents - establishing five continental demonstrators with up to 80% Variable Renewable Energy. Multilateral Research Programme - a new multilateral research programme to tackle 20 of the identified innovation priorities. The “GPFM Toolbox” - storing all the validated innovative solutions achieved through the two flagship projects reported above, to be hosted on the Mission’s internet-based platform.
CEM - ISGAN	ISGAN's vision is to accelerate progress on key aspects of smart grid policy, technology, and investment through voluntary participation by governments and their designees in specific projects and programs. Role: To facilitate dynamic knowledge sharing, technical assistance, peer review and, where appropriate, project coordination among government participants.	Public & Private	<ul style="list-style-type: none"> • Cost-Benefit Analyses and Toolkits • Synthesis of Insights for Decision Makers • Continuing the Smart Grid International Research Facility Network (SIRFN) • Interoperable Flexibility Markets - Increase understanding and activities to integrate interoperable markets with future energy systems. • Continue to build out the Knowledge Transfer Program (KTP) • Expand the ISGAN Academy
G-PST	To reduce power sector emissions by 50% between 2020-2030 in participating countries; to operate an 100% inverter-based-resource GW-scale power system by 2025; to disseminate technical knowledge causing step-change in partner country power system decarbonization	Public & Private	Research & peer learning: System needs and services; Resource adequacy; Advanced technology demonstrations e.g. GFM; Interoperability; Models and tools Country technical assistance (10), curriculum implementation (2-4 universities), standards and open tools implementation (6 countries)

Key international initiatives working in the power sector

Initiative	Brief summary of overall objectives	Category (public /private)	Main workstreams 2022-2023
GGI	<p>Deliver the vision of One Sun One World One Grid and create a more inter-connected global grid.</p> <p>Develop an action plan for global cooperation on this agenda and develop an agreed common global framework through working groups of interested governments, regulators, financiers, institutions, companies, legislators and researchers.</p>	Public and Private	<p>Continue to build an ecosystem of political, financial and technical actors to support the roll out of grid infrastructure investment</p> <p>Prioritise up to 5 Transformational Projects to actively support through the Ministerial Steering Group and wider ecosystem</p> <p>Continue to act as a conduit to link parties and initiatives across the ecosystem to foster collaboration and mutual support</p>
ETC	<p>Bring together the global political, financial and technical leadership in the power sector to facilitate an effective dialogue between countries with energy transition needs and the international actors who can support them</p>	Public and Private	<p>Continue to mobilise support for ETC partner countries in the areas of financial, technical and policy to assist them in examining and making progress in the various barriers they face in achieving accelerated clean energy transitions. – incl. in the form of country dialogues. Work multilaterally through key ETC partners (incl. GEAPP/SEA-ETP) to identify opportunities to mobilise additional support for country priorities.</p>

Hydrogen Breakthrough

Map of the Hydrogen Sector

BREAKTHROUGH AGENDA

Long-term Vision & Action Plans	Hydrogen Energy Ministerial (HEM)		CEM Hydrogen Initiative		IRENA's Collaborative Framework on Green Hydrogen		Mission Innovation's Clean Hydrogen Mission		Hydrogen Council	
Demand Creation & Management	First Mover Coalition	WEF's Accelerating Clean Hydrogen Initiative	CEM Hydrogen Initiative	Hydrogen Council	Green Hydrogen Catapult	H2Global	Mission Innovation's Clean Hydrogen Mission			
Infrastructure & Supply Chains	CEM Hydrogen Initiative		Hydrogen Council		Green Hydrogen Catapult		IEA's Hydrogen TCP		IRENA's Collaborative Framework on Green Hydrogen	
Finance & Investment	[Activities of DFIs and MDBs e.g. World Bank]		WEF's Accelerating Clean Hydrogen Initiative		Green Hydrogen Organisation		Hydrogen Council			
Research & Innovation	Mission Innovation's Clean Hydrogen Mission			IEA's Hydrogen TCP and the Advanced Fuel Cells TCP			Green Hydrogen Catapult			
Market Structures	International Partnership for Hydrogen & Fuel Cells in the Economy		CEM Hydrogen Initiative		Green Hydrogen Organisation		WEF's Accelerating Clean Hydrogen Initiative			
Standards & Certification	International Partnership for Hydrogen & Fuel Cells in the Economy	IEA's Hydrogen TCP	Green Hydrogen Organisation	IRENA's Collaborative Framework on Green Hydrogen	Hydrogen Action Pact	Hydrogen Council	Hydrogen Energy Ministerial (HEM)			
Trade Conditions	International Partnership for Hydrogen & Fuel Cells in the Economy	CEM Hydrogen Initiative	Green Hydrogen Organisation	Hydrogen Action Pact	WEF's Accelerating Clean Hydrogen Initiative	IRENA's Collaborative Framework on Green Hydrogen				
Knowledge, Capability & Skills	International Partnership for Hydrogen & Fuel Cells in the Economy	CEM Hydrogen Initiative	Mission Innovation's Clean Hydrogen Mission	Green Hydrogen Organisation	UNIDO Global Programme for Green Hydrogen in Industry	Hydrogen Energy Ministerial (HEM)	IEA's Hydrogen TCP & Fuel Cell's TCP			
Social Engagement & Impact	Green Hydrogen Organisation									
Landscape Coordination	Hydrogen Breakthrough in partnership with the initiatives above									

Key international initiatives working in the hydrogen sector

Initiative	Brief summary of overall objectives	Category	Main workstreams 2022-2023
Hydrogen Energy Ministerial	<p>HEM is a coordination platform launched and chaired by Japan in 2018, the HEM seeks to convene representatives from governments and key international initiatives working on hydrogen. Its Tokyo Statement and subsequent Global Action Agenda call for information sharing and collaboration across different pillars of the hydrogen 'ecosystem', from production to end use.</p>	Public	<p>In addition to the annual convening of Ministers and senior stakeholders, the HEM has a number of past and ongoing workstreams including:</p> <ul style="list-style-type: none"> ● Global Action Agenda of Tokyo Statement ● Collaboration on Technologies and Coordination on Harmonization of Regulation, Codes and Standards ● Promotion of Information Sharing, International Joint Research and Development Emphasizing Hydrogen Safety and Infrastructure Supply Chain: Mobility across Applications; Hydrogen Supply Chains; Sector Integration ● Study and Evaluation of Hydrogen's potential across sectors Including Its potential for reducing both CO2 emissions and other pollutants ● Communication, Education and Outreach
CEM Hydrogen Initiative	<p>CEM H2I was launched at CEM10 (May 2019). It is a voluntary multi-government initiative which aims to advance policies, programs and projects that accelerate the commercialization and deployment of hydrogen and fuel cell technologies across all aspects of the economy. Drawing on the recommendations from the HEM Meeting in 2018 in Japan, it builds on the successes of other global collaborations on hydrogen. It aims to address barriers and identify opportunities for hydrogen in the global transformation to a clean, affordable and reliable energy sector looking at the global supply chains of this new energy vector.</p>	Public	<p>The 2021-2022 work programme included the following activities, plans for 2023 will build on these:</p> <ul style="list-style-type: none"> ● Working group - Global aspirational goals for hydrogen ● Working group - Global Ports Coalition ● Working group - Roundtable on the North-West European region ● Working group - Large-scale hydrogen supply chain ● Working group - H2 Twin Cities Initiative ● Activity - Hydrogen Certification ● Strategic Project - Hydrogen in Marine.

Key international initiatives working in the hydrogen sector

Initiative	Brief summary of overall objectives	Category	Main workstreams 2022-2023
<p>International Partnership for Hydrogen and Fuel Cells in the Economy</p>	<p>The International Partnership for Hydrogen and Fuel Cells in the Economy, founded in 2003, is an international collaborative initiative for the development and deployment of hydrogen and fuel cell technologies and to enable global energy security and other environmental and economic benefits that these technologies can provide. The IPHE acts as the key global forum for government-to-government discussion of policy and regulatory questions (including methodology for calculating carbon emissions from hydrogen production; gap analysis of hydrogen related standards; and trade rules). It is also active in areas including consumer awareness, safety, and careers/skills.</p>	<p>Public</p>	<p>The IPHE has a number of past and ongoing workstreams including:</p> <ol style="list-style-type: none"> 1. Publication of the “Methodology for Determining the Greenhouse Gas Emissions Associated With the Production of Hydrogen” Working Paper (WP) ver2 including new hydrogen production pathways and its conditioning and carriers. Work continues on hydrogen transportation (e.g., marine, pipeline, rail, truck) with publication planned for late 2023. 2. After publication of the “Compendium of Regulatory Areas for Action in Hydrogen Infrastructure and Mobility/Transportation Technologies” WP,, new work tasks include: Maritime Codes & Standards Analysis to identify and prioritise gaps that may limit opportunities for hydrogen utilization/adoption in the marine sector, and its import and export; and, Bulk Storage Codes & Standards Analysis to identify and prioritise gaps relating to the safe storing of hydrogen in vast quantities in underground or above-ground facilities. 3. With the publication of the “International Trade Rules for Hydrogen and its Carriers: Information and Issues for Consideration”, look to better understand the trade rules through a hydrogen lens to minimise potential hurdles and seek opportunities to facilitate greater trade.

Key international initiatives working in the hydrogen sector

Initiative	Brief summary of overall objectives	Category (public /private)	Main workstreams 2022-2023
<p>Mission Innovation Clean Hydrogen Mission</p>	<p>MI's Clean Hydrogen Mission was launched in June 2021 its aim is to accelerate the pace of innovation to achieve performance breakthroughs and cost reductions of clean hydrogen. The goal of the Mission is to increase the cost-competitiveness of clean hydrogen by reducing end-to-end costs to a tipping point of 2 USD/kg by 2030. The Mission's activities are organised into three key pillars:</p> <ol style="list-style-type: none"> 1. The promotion of research, development and innovation, including across clean hydrogen production, distribution and storage, and end-use applications; 2. Demonstration of different production, storage and transportation methods by working with relevant stakeholders to explore sector coupling and creating concentrated demand centres through integrated clean hydrogen valleys and 3. Identifying 'demand-pull' efforts to diffuse and deploy solutions, facilitate the creation and dissemination of non-technological and non-commercial knowledge and create positive engagement from relevant stakeholders. 	<p>Public</p>	<p>The CHM has a number of planned actions for 2022-24 under its 3 pillars including 2 Sprints:</p> <ul style="list-style-type: none"> ● R&I Pillar Actions: 1: Analysis of global hydrogen RD&D Collaboration Opportunities; 2: Assessment of best-practice case studies across the clean hydrogen R&I value chain; 3: Working Groups; 4: Clean Hydrogen Mission Partnership Coalition. ● Hydrogen Valley Pillar: 1. Hydrogen Valley Platform - an incubator for emerging Hydrogen Valleys and enhance cross border and international cooperation. 2. Developing concepts and options for a Global Hydrogen Valley Project Development Assistance (PDA) Network. 3. Create a central repository of best-practice for creating enabling environments for valleys. 4. Supporting the development of 100 hydrogen valleys globally by concentrating action with other international initiatives. ● Enabling Environment Pillar: 1. Clean Hydrogen Knowledge Platform, collecting and showcasing the state-of-the-art and the best experiences; 2. Working Groups to stimulate knowledge exchange and support other actions in the Clean Hydrogen Mission. ● Sprint 1: Identification of 100 Clean Hydrogen Regions, enhancing the ambition to identifying 100 Clean Hydrogen Valleys, through partnerships and linkages. ● Sprint 2: Hydrogen Exchange providing support for non-MI countries to develop Hydrogen Valleys.

Key international initiatives working in the hydrogen sector

Initiative	Brief summary of overall objectives	Category	Main workstreams 2022-2023
Hydrogen Council	<p>The Hydrogen Council, established in 2017, is a global CEO-led initiative with a united vision and long-term ambition for hydrogen to foster the clean energy transition. The Council believes that hydrogen has a key role to play in reaching our global decarbonization goals by helping to diversify energy sources worldwide; foster business and technological innovation as drivers for long-term economic growth; and decarbonize hard-to-abate sectors. Using its global reach to promote collaboration between governments, industry and investors, the Council provides guidance on accelerating the deployment of hydrogen solutions around the world. It also acts as a business marketplace, a resource for safety standards and an interlocutor for the investment community.</p>	Private	<p>The Council has range of workstreams underway and planned including:</p> <ul style="list-style-type: none"> - LCA assessment of H2 production pathways: recommendations to feed into the work of the ISO TC 197 on H2 Technologies to facilitate the development of an international standard methodology for assessing the carbon footprint of H2 production pathways. - Hydrogen certification: developing a roadmap for robust and tradeable certification systems for hydrogen. - SDG dimension of the hydrogen economy: with international partners, developing an SDG roadmap for the industry; as well as consensus-based industry recommendations for reporting and disclosure standards.
IRENA's Collaborative Framework on Clean Hydrogen	<p>Established in June 2020 the CF serves as a vehicle for dialogue, co operation and coordinated action to accelerate the development and deployment of green hydrogen and its derivatives for the global renewable energy transformation. The outcomes will and contribute to the achievement of the objectives defined in the work program and medium term strategy of the Agency. There are nine areas of work that have been defined covering the entire hydrogen landscape and work so far has focused on: global hydrogen trade, certification, greening the gas grid</p>	Public - Private	<p>The Collaborative Framework has range of workstreams underway and planned including:</p> <ul style="list-style-type: none"> ● Global trade of hydrogen and derivatives; ● Greening the gas sector; ● Collaboration with the World Economic Forum; ● Supporting G7 Hydrogen Action Pact.

Key international initiatives working in the hydrogen sector

Initiative	Brief summary of overall objectives	Category	Main workstreams 2022-2023
World Economic Forum's Accelerating Clean Hydrogen Initiative	Convened by the World Economic Forum the Initiative works with clean hydrogen projects, identify barriers, and coalesce stakeholders across policy, finance, and industry to advance progress to final investment decisions (FID).	Private	Ongoing workstreams include: <ul style="list-style-type: none">• Acceleration Programme - Pillar 1 (for Europe & Japan): Facilitating the matching of supply and demand for clean hydrogen.• Acceleration Programme - Pillar 2 (for Europe & Japan): Accelerating the realisation of the clean hydrogen economy on the ground by focusing on moving specific clean hydrogen projects to FID through leveraging some of the key enabling measures identified in the roadmaps. For other geographies: prioritize and develop roadmaps for key exporting regions.

Key international initiatives working in the hydrogen sector

Initiative	Brief summary of overall objectives	Category	Main workstreams 2022-2023
Green Hydrogen Organisation	<p>The Green Hydrogen Organisation (GH2) is a not for profit foundation. Its mission is to dramatically accelerate the production and utilisation of green hydrogen across a range of sectors globally. It will push to rapidly decarbonise industries like steel, cement, fertilisers, shipping and aviation that have so far made limited progress reducing their emissions.</p> <p>The GH2 has three priority areas:</p> <ul style="list-style-type: none"> • The Global Green Hydrogen Charter • The Global Green Hydrogen Development Plan • The Green Hydrogen CEO Roundtable 	Private/quasi multilateral	<p>The IPHE has a number of past and ongoing workstreams including:</p> <ul style="list-style-type: none"> • Developing the Green Hydrogen Standard, an accreditation standard to provide certainty to investors and consumers that green hydrogen projects have near-zero emissions and conform to rigorous sustainability criteria. • Green Hydrogen Charter and Country Portal. Creating leadership amongst countries through a government-led process to agree more ambitious national targets on green hydrogen and sharing good practices; building regional networks and influencing G7/G20. • Green Hydrogen Development Plan - focus on low and middle income countries. Activity 1 - Good Green Hydrogen Contracts: guidance in designing contracting practices for green hydrogen projects that ensure that the development of green hydrogen is fast but fair to all involved. Green Hydrogen Development Plan - focus on low and middle income countries. Activity 2 - Roundtable of Development Finance Institutions (DFI) for Green Hydrogen. Raising ambition on concessionary and blended finance solutions, de-risking and technical assistance. • Green Hydrogen Global Assembly. An annual gathering of the global green hydrogen community across all stakeholder groups. First annual assembly is on 17-18 May 2022 in Barcelona.

Key international initiatives working in the hydrogen sector

Initiative	Brief summary of overall objectives	Category	Main workstreams 2022-2023
Green Hydrogen Catapult	The Green Hydrogen Catapult is a global initiative convened with the support of the UN's High Level Champions and RMI whose goal is to drive massive green hydrogen scale-up by 2026. Catapult members have committed to collectively deploying 45 GW of new electrolyzer capacity over the next four years, with the aim to rapidly reduce green hydrogen costs to below \$2/kg.	Private	<p>This year, market leaders in the Catapult have worked to:</p> <ul style="list-style-type: none">• Start to set up green hydrogen hubs globally• Aggregate demand for hydrogen by developing new analyses on the fertilizer and steel sectors• Develop a roadmap for setting up green shipping corridors and set up book and claim systems to drive demand for green commodities• Advance analysis on green hydrogen's potential contribution to energy security in Europe, and• Publish thought leadership pieces "busting myths" around green hydrogen.• In 2023, the Catapult will launch new studies on clean industrialization through green hydrogen in developing economies, as well as continue to push forward with hub development.

Key international initiatives working in the hydrogen sector

Initiative	Brief summary of overall objectives	Category	Main workstreams 2022-2023
<p>UNIDO Global Hydrogen Partnership in Industry</p>	<p>The 'Global Partnership for Hydrogen in Industry' aims to accelerate dialogue and collaboration among international partners in order to enhance the exchange, development, and distribution of knowledge on policies, technical guidelines, certifications and standards relevant to green hydrogen. In specific, the Partnership targets four main areas of intervention:</p> <ol style="list-style-type: none"> 1. Fostering policy dialogue among partners on green hydrogen; 2. Facilitating joint project development and pooling of expertise; 3. Creating knowledge products (e.g., guidelines, training manuals and best practices); and 4. Organising global awareness raising and capacity building initiatives. 	<p>Public</p>	<p>The expected outcomes byCOP28 are as follows:</p> <ol style="list-style-type: none"> 1) Organize high-level regional and global fora events for the promotion of green hydrogen in industry. 2) Develop service modules and a policy tool kit for climate technology projects with a focus on green hydrogen. 3) Initiate concrete country interventions in at least five countries. 4) Publish guidelines for green hydrogen industrial clusters and initiate pilot projects. 5) Contribute to the development of green hydrogen standards and facilitate the participation of developing countries and transition economies in this process.

Key international initiatives working in the hydrogen sector

Initiative	Brief summary of overall objectives	Category	Main workstreams 2022-2023
Breakthrough Energy Catalyst	A platform for commercializing emerging technologies through a blended finance.	Public-private	Working with partners across the public and private sectors to provide a platform for rapidly commercializing emerging technologies, with green hydrogen being one of the four initial focus areas. Through a creative, blended financing approach, Catalyst will make targeted investments into clean technology projects - starting in the UK, Europe and the US, and later expanding to other countries and regions - to significantly decrease the price of new clean products, increase their availability in the market, and demonstrate how to finance the infrastructure of decarbonization at scale.
Breakthrough Energy Fellows	Provides support to develop climate technologies with a potential to significantly reduce emissions.	Private	The program identifies and supports some of the world's most innovative researchers and scientists working on critical new clean technologies across the globe working to develop, scale, and commercialize technologies that have the potential to reduce carbon emissions by at least 500 million tons per year by 2050. The Fellows program provides research and development funding and connects Felloes to a network of entrepreneurs, executives, and industry leaders, and guiding their discoveries to a commercial pathway. In 2022, Fellows will announce cohort 2 and in 2023, cohort 3.

Key international initiatives working in the hydrogen sector

Initiative	Brief summary of overall objectives	Category	Main workstreams 2022-2023
G7 Hydrogen Action Pact	In May 2022, the Hydrogen Action Pact (HAP) was officially launched by the G7. It aims at accelerating and strengthening joint action in the field of low-carbon and renewable hydrogen and its derivatives, as well as at streamlining the implementation of existing multilateral activities.	Public	Workstreams underway include a detailed analyses of the main areas where collaboration among G7 members can make the largest difference in advancing hydrogen deployment (including specific recommendations that G7 members can take in each area), as well as a gap analysis of hydrogen certification schemes.
H2 Global	H2Global is an auction-based mechanism with the objective to promote a timely and effective PtX market ramp-up on an industrial scale. With H2Global, operators and investors receive the planning and investment security that is required for the development of large-volume electrolysis capacities, as they can build their business and financing model based on long-term purchase agreements with a solvent contract partner at cost-reflective prices. Simultaneously, on the demand side,, H2Global enables the integration of PtX products into the economic cycle at competitive prices.	Public-private	Funding source of the first H2Global window is the German Federal Ministry for Economic Affairs and Climate Action (BMWK). In line with the objectives of the German government's economic stimulus program, H2Global will establish foreign trade partnerships with countries in which green hydrogen can be produced efficiently due to their geographical location. In addition, green technologies will be established in partner countries where the local energy transition will be supported, and a contribution will be made to meet the massive demand for PtX products in Germany and Europe. Effects that are indirectly promoted by H2Global are, for example, the development of PtX infrastructure, market models and supply chains that do not yet exist for explicitly green products.

Road Transport Breakthrough

Map of the Road Transport sector

BREAKTHROUGH AGENDA

Long-term Vision & Action Plans	ZEV Transition Council	Transport Decarbonisation Alliance	International ZEV Alliance	International Transport Forum	Global Fuel Economy Initiative	CEM Electric Vehicle Initiative	Climate Group EV100 & Route Zero	WBCSD		
Demand Creation & Management	ZEV Declaration	WEF Road Freight Zero & First Movers' Coalition	Global Agreement on Zero Emission Trucks & Buses	Climate Group EV100 & Route Zero	GEF E-mobility Programme	CEM Electric Vehicle Initiative	Global Fuel Economy Initiative			
Infrastructure & Supply Chains	ZEV Transition Council	CEM Electric Vehicle Initiative	WEF Road Freight Zero	Green Grids Initiative	Global Facility to Decarbonise Transport	IEA Hybrid Electric Vehicle and Advanced Fuel Cell Technology Collaboration Programmes	WBCSD Mobility Decarbonisation	Global Fuel Economy Initiative		
Finance & Investment	GEF E-Mobility Programme	Global Facility to Decarbonise Transport	WEF Moving India	WEF Road Freight Zero & First Movers' Coalition	WBCSD Mobility Decarbonisation	Global Fuel Economy Initiative				
Research & Innovation	WEF Circular Cars Initiative	Global Battery Alliance	Global Fuel Economy Initiative	GEF E-mobility Programme	Global Facility to Decarbonise Transport	IEA Hybrid Electric Vehicle and Advanced Fuel Cell Technology Collaboration Programmes				
Market Structures	ZEV Transition Council	Transport Decarbonisation Alliance	International Transport Forum	Global Battery Alliance	Global Facility to Decarbonise Transport	WBCSD Automotive Partnership for Carbon Transparency	WEF Circular Cars Initiative			
Standards & Certification	ZEV Transition Council	Global Battery Alliance	G20 Transport Taskforce Group	Global Fuel Economy Initiative	GEF E-mobility Programme	WEF Circular Cars Initiative	WEF Moving India	CEM Electric Vehicle Initiative		
Trade Conditions	UNEP Used Vehicles Programme	WEF Circular Cars Initiative	UNECE WG on Safer and Cleaner Used and New Vehicles	ZEV Transition Council	International ZEV Alliance	Transport Decarbonisation Alliance				
Knowledge, Capability & Skills	ZEV Transition Council	GEF E-mobility Programme	Global Fuel Economy Initiative	International ZEV Alliance	G20 Transport Taskforce Group	Global Facility to Decarbonise Transport	CEM Electric Vehicle Initiative	IEA Hybrid Electric Vehicle Technology Collaboration Programme	Climate Group Under 2 Coalition	WBCSD
Social Engagement & Impact	[under consideration]									
Landscape Coordination	Road Transport Breakthrough in partnership with the initiatives above									

Key international initiatives working in the road transport sector

Initiative	Brief summary of overall objectives	Category	Main workstreams 2022-2023
The Global Fuel Economy Initiative (GFEI)	A partnership of organisations (including the FIA Foundation, ICCT, UNEP, IEA, ITF and UC-Davis) that supports transport decarbonisation at the global, regional, country and sub-national levels. It does this through data development and analysis of fuel economy potentials and provides support for national and regional policy-making efforts as well as outreach and awareness raising to stakeholders.	Third sector	In 2023, the GFEI will engage in the work of the IAT. This includes leading its Country Projects and Partnerships Working Group, drawing on the extensive GFEI experience and network of 100 countries. The GFEI will also carry out capacity-building work in ASEAN, Indonesia and in other countries. In parallel, the GFEI Will be updating its toolkit and leading on several global networking events.
International Zero Emission Vehicle Alliance (ZEV Alliance)	The ZEV Alliance is a partnership of 21 governments (national and state-level) with the ICCT serving as Secretariat. The Alliance provides a forum for exchange and problem-solving on the top ZEV challenges facing these leading governments. This includes commissioning 3 focus area research reports each year, organizing technical workshops, and hosting an annual Assembly for officials.	Public	In Q4 2022, the ZEV Alliance will publish 3 focus area publications on: Charging solutions for heavy-duty ZEVs, the Environmental Justice impacts of ZEVs; and enabling EV battery re-use and recycling. 3 new focus areas for 2023 discussion and research will be selected in Q4 2022. The ZEV Alliance will also host technical workshops (e.g., on BEV safety and fire risk), a new communications strategy, and an Annual Assembly for members in June in California.
Zero Emission Vehicle Transition Council	The <u>ZEVTC</u> is a political strategic forum that brings together Ministers and representatives from governments that represent over 50% of the global car market. Through the council, members work together to collectively address key challenges in the transition to ZEVs, enabling the transition to be faster, cheaper, and easier for all.	Private	2023 Action Plan is built on 6 pillars: Fleets, battery supply chains, greenhouse gas and air quality emissions standards, infrastructure, fair consumer access and supporting a global transition. These pillars will share best practice and knowledge along with specific elements related to each individual pillar. Also, the ZEVTC will help review progress in implementing international actions, as identified by the 2022 the Breakthrough Agenda Report.

Key international initiatives working in the road transport sector

Initiative	Brief summary of overall objectives	Category	Main workstreams 2022-2023
WBCSD	WBCSD is the premier global, CEO-led community of over 200 of the world's leading sustainable businesses working collectively to accelerate the system transformations needed for a net-zero, nature positive, and more equitable future. Transport Decarbonization convenes CEOs and supports business action for fast, global and inclusive ZEV and infrastructure deployment in line with the Net-zero roadmap along the complete ZEV value chain.	Private	WBCSD will support continued private public collaboration within ZEVTC, CEM/EVI and GEF7 to scale-up ZEV technology deployment globally through facilitation of knowledge sharing and creation of reference documents to 1) de-risk business investment strategy 2) support public-private alignment on roadmaps and enabling policies 3) create mechanisms for scaling-up global investments. Part of ZEVTC IAT, WBCSD will co-lead a year-long initiative to accelerate ZEV deployment in EMDE by facilitating public-private dialogues to form collaborative agreements by COP28, raising private investment ambition with governments prepared to enact and implement enabling policies.
ICCT	The International Council on Clean Transportation (ICCT) is an independent nonprofit organization founded in 2001 to provide first-rate, unbiased research and technical and scientific analysis to environmental regulators. The ICCT acts as the secretariat for the International ZEV Alliance, the ZEV Transition Council, and the Accelerating to Zero Coalition and provides technical analysis and research inputs to each of these partnerships.	N/A	The ICCT will support the continued operations and development of the IZEVA, ZEVTC, and A2Z Coalition in its role as secretariat and will produce analytical inputs to support the 2023 workplans of each of these partnerships. Additional research and analysis on key technical and policy challenges to the ZEV transition will be carried out through regular programmatic activities of the ICCT's Passenger Vehicle and Heavy-Duty Vehicles teams.

Key international initiatives working in the road transport sector

Initiative	Brief summary of overall objectives	Category	Main workstreams 2022-2023
UNEP	The United Nations Environment Programme (UNEP) is the principal environment agency of the UN. Its Sustainable Mobility Unit is supporting programs that focus on promoting walking and cycling; cleaner fuels and vehicles; regulating the trade in used vehicles; digitalisation for low carbon transport; and electric mobility.		<p>At global level, UNEP will continue to support international initiatives to promote coordination among international organisations to support sustainable low carbon mobility. In 2023 UNEP will further extend its support to electric mobility country projects, including through the development of a new GEF8 programme.</p> <p>In 2023 UNEP will also increase cooperation with funding institutions to link technical support with financial support for electric mobility. And it will implement Regional Support and Investment Platforms to support (sub)regional electric mobility initiatives. UNEP will also extend its work on active transport in Africa, focusing on investment for active transport road infrastructure. And it will initiate phase 2 of its programme to improve the quality of used vehicles.</p>
CEM EVI	The Electric Vehicles Initiative (EVI) aims to play a vital role in the global efforts to electrify the road transport sector by providing a platform for countries to work closely with other countries, companies, international organisations to pursue their domestic ambitions for electric vehicles.	Public	<p>Launch of Global EV Outlook 2023 and IEA Energy Technology Perspectives 2023, focusing on supply chains for clean energy transitions. Furthermore, implementation of EVI Zero Emission Government Fleet Declaration, the GEF funded Global E-Mobility Programme, including the release of a TCO tool, a policy-makers manual on integrating EV charging into the grid and lifecycle assessment tools, first for the fuel, and then for the vehicles. IEA members will also at its next EVI Advisory Board meeting (13-14 December) discuss the possibility of a new workstream related to battery energy technologies, following the past activities at COP26, GCEAF and COP27. Together with other partners, EVI is also seeking as a follow-up to GCEAF to organise activities for in-depth discussion on charging infrastructure and grid integration in 2023.</p>

Key international initiatives working in the road transport sector

Initiative	Brief summary of overall objectives	Category	Main workstreams 2022-2023
EV100/ EV100+	<p>Climate Group's EV100 initiative brings together over 120 international businesses committed to lead the way on zero emission transport and switch their own light-duty fleets (< 7.5t) to electric by 2030. Their collective commitment so far covers 5.6m vehicles to be electric by 2030, over 200,000 of which are already on the road today.</p> <p>In September 2022, we also launched a new EV100+ commitment for businesses committing to switch their heavy duty fleets (>7.5t) to zero emission by 2040.</p> <p>Members of both initiatives report annually on their progress. Their collective voice sends a clear demand message to policy makers and manufacturers that business is ready to lead the transition, and about the framework conditions required for their success.</p>		<p>EV100 and EV100+ aim to continuously grow their membership and the demand signal the two initiatives represent. A key focus is on building dialogue with policy makers and other key stakeholders on the framework conditions required to enable rapid market acceleration. Amongst others, we are currently building active dialogue and advocacy work in the EU, France, UK, US, India, Japan and Latin America.</p> <p>Climate Group's involvement in the Steering Group of the A2Z Coalition will be a vehicle to collaborate closely with other key networks in growing the group of signatories to the ZEV Declaration, and connecting leadership to turn its vision into a reality.</p>

Key international initiatives working in the road transport sector

Initiative	Brief summary of overall objectives	Category	Main workstreams 2022-2023
<p>Global Battery Alliance (GBA)</p>	<p>The GBA is a public-private, collaboration platform bringing together over 120 members representing the entire battery value chain from miners to recyclers, together with public sector actors, academia and non-governmental organisations, collaborating to achieve sustainable battery value chains by 2030.</p> <p>Established in 2017 by the World Economic Forum and an independent not-for-profit organisation since 2022, the GBA pursues a three-fold objective of 1. Establishing a circular battery value chain as a major driver to achieve the Paris Agreement, 2. Establishing a low-carbon economy in the value chain, creating new jobs and additional economic value and 3) safeguarding human rights and economic development consistent with the UN Sustainable Development Goals.</p>	<p>Not for profit</p>	<p>The GBA is focused on implementing three core workstreams: First, the Battery Passport: A digital product passport, which combines reporting on three core elements: 1. the technical data of the battery (i.e. capacity, manufacturing history, recycled content, disassembly instructions etc.), 2. Tracking and tracing of the material flows and 3. Consistent reporting against key performance indicators including the battery carbon footprint according to the Greenhouse Gas rulebook and child labour and human rights indices. The GBA is currently implementing proof-of-concepts across multiple pilot value chains. Development and piloting will continue through 2023 with the option to present results at COP'28. Second, the Critical Minerals Advisory Group: bringing together the battery value chain with battery and critical minerals policy makers for consultation and engagement to enhance standards globally and; Third: Circularity, focusing on leveraging circularity in battery value chains to fast-track achievement of the Paris Agreement goals.</p>

Key international initiatives working in the road transport sector

Initiative	Brief summary of overall objectives	Category	Main workstreams 2022-2023
A2Z Coalition	<p>The "Accelerating to Zero Coalition" (A2Z) will be launched at COP27 and will provide a platform to support coordination between leading initiatives, signpost to implementation support for signatories to access, and, amplify the progress being made as well as the continued urgency to advance the transition from polluting vehicles to ZEVs. The Coalition will host the ZEV declaration after COP27.</p> <p>The coalition will bring together signatories and other stakeholders across the year in the margins of UNFCCC events and other events convened for the purpose of accelerating the ZEV transition.</p>	Public	<p>Growing the group: Activities to support and coordinate efforts between different initiatives that work with different actor groups to bring more governments and businesses in line with an accelerated ZEV transition and secure additional sign-ups to the ZEV declaration, sending the strongest supply and demand signals to the global market. Governments that have signed the declaration and comprise the biggest auto markets will convene to discuss aligning diplomatic efforts to secure more ZEV commitments.</p> <p>Showcasing leadership - giving profile to new members of the ZEV declaration</p> <p>Providing support to help deliver commitments: The secretariat will consult with members on their needs and signpost to our key partners in the existing International Community of Best Practice on the ZEV transition. The secretariat will also host bespoke workshops for signatories to support them in implementing ZEV commitments and in the longer term will explore new workstreams to further deliver implementation support.</p> <p>Monitoring progress made against commitments working with organisations collecting this information and identifying spaces to speed up progress.</p>

Key international initiatives working in the road transport sector

Initiative	Brief summary of overall objectives	Category	Main workstreams 2022-2023
Global MOU on ZE-MHDVs	<p>The Global Memorandum of Understanding (MOU) aligns leading countries on the same level of ambition for zero-emission medium- and heavy-duty vehicles (ZE-MHDVs). Country signatories strive towards a non-binding target of 30% of newly sold MHDVs being zero emission by 2030, and 100% by 2040. MHDVs are defined as those with gross vehicle weight larger than 3.5 metric tons. The Global MOU is signed by countries and endorsed by sub-national governments and businesses. The Global MOU is co-led by the Netherlands Government and CALSTART/Drive to Zero.</p>	Public-Private	<p>Execute Global MOU, supporting signatory countries to turn ambition into concrete policies and actions Recruit new countries to Global MOU. Secure new endorsements to Global MOU. Track Global MOU progress. Expected outcomes at COP includes announcement of new signatories and endorsers, and an update on the Global MOU progress towards the 2030 and 2040 goals.</p>
WEF & WBCSD CCI	<p>The Circular Cars Initiative (CCI) is a partnership between stakeholders from the entire automobility ecosystem that leverages circularity principles to minimize total life-cycle emissions, with a special emphasis on manufacturing and material emissions. The overarching goal is to facilitate the transition towards an automobility system that is convenient, affordable, and firmly grounded within a 1.5°C scenario. CCI is led by the World Economic Forum in partnership with the World Business Council for Sustainable Development (WBCSD), and with SYSTEMIQ, Accenture and McKinsey. Mission Statement: Convening 30%+ of leading automotive market participants to substantially contribute to reducing 80% of carbon emissions across the auto value chain.</p>	Not for profit	<p>Building on the CCI community insight and policy research in Europe and the US, the Initiative is now aimed at supporting China Automotive Technology and Research Center (CATARC) in its roadmap for low carbon automotive roadmap design in 2022-2023.</p> <p>We will be pointing out status quo and direction of relevant policy landscape globally, to assist China in raising its ambition and creating interoperable policy regimes. Policy focus areas will be on lifecycle circularity of vehicle batteries and steel including greening of production process. The work will include perspectives on policy action and corresponding corporate business model shifts, focusing on opportunities for cooperation, harmonization, and mutual learning.</p>

Steel Breakthrough

Map of the Steel sector

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		

Key international initiatives working in the steel sector

Initiative	Brief summary of overall objectives	Category (public /private)	Main workstreams 2022-2023 including expected outcomes by COP28 (November 2023)
CEM Industrial Deep Decarbonisation Initiative (IDDI)	The mission of the Industrial Deep Decarbonisation Initiative (IDDI) is to facilitate the creation of policy that enables industrial decarbonisation, especially by creating a thriving market for low carbon industrial products including steel and cement. The IDDI is a coalition of governments that have come together to standardise embodied emissions measurement and reporting for key industrial products, establish ambitious public and private sector green procurement targets, and incentivise investment in low-carbon product development through investment in various decarbonization options.	Public	An update to the Green Public Procurement pledge was launched at the Global Clean Energy Action Forum (GCEAF) in September 2022. Canada, Germany and the United Kingdom have committed to undertaking one-year national consultations on the pledge. Priority actions for 2023 include the mobilization of additional commitments, knowledge sharing on green public procurement best practice, and the development of development of a standardized methodology for reporting on embodied carbon.
OECD Steel Committee	The OECD Steel Committee twice a year brings together over 200 steel policy makers and steel industry organisations from around the world to discuss and find common ground on critical topics regarding steel. Steel decarbonisation is one of the main priorities of the committee for the coming period, where the committee aims to contribute to in-depth analysis and data development in key areas of importance for steel decarbonisation, allow for policy learning and good practice exchange and to provide a platform for international dialogue and cooperation on steel decarbonisation, in cooperation with other organisations	Public	The OECD facilitated a large international workshop on 21 September, that brought together industry, policy makers and steel decarbonisation initiatives and experts to discuss in particular issues regarding data availability and comparability and the nexus of steel emissions and international trade. In follow-up, during COP27 an event will be hosted in the OECD Virtual Pavilion in support of various steel decarbonisation initiatives, in particular regarding common standards and definitions. Other COP27 related outcomes include a brief supporting the need for urgent implementation, based on a detailed steel decarbonisation indicators report. The work programme of the OECD steel policy community for the coming biennium will focus on the steel supply chain transformations induced by strategic inputs for decarbonisation, such as scrap and hydrogen, as well as the related trade patterns. It will also include the monitoring of steel decarbonisation projects in the context of wider market and capacity developments world-wide. Further deep dives are in the pipeline for early 2023 on data availability and definitions, and on the trade and steel emissions nexus.

Key international initiatives working in the steel sector

Initiative	Brief summary of overall objectives	Category (public /private)	Main workstreams 2022-2023 including expected outcomes by COP28 (November 2023)
<p>Leadership Group For Industry Transition (LeadIT)</p>	<p>The mission of LeadIT is to facilitate policy development and implementation that enables heavy industry sectors, including steel, to reach net-zero emissions.</p> <p>The LeadIT membership is grounded in the conviction that partnership between the public and private sectors is key to achieving the industrial transition. LeadIT members engage in high-level public-private dialogues on industry transition, technical working groups, and roadmapping workshops. Engagements are supported by policy recommendations based on scientific evidence and analysis of developments in the industry.</p> <p>Complementing and strengthening the steel specific activities, LeadIT aims for a perspective that is cross-sectoral and covers entire value chains.</p>	<p>Public/Private</p>	<p>In 2022, LeadIT has, in relation to steel, focused on:</p> <ul style="list-style-type: none"> - Facilitating roadmapping workshops with the Indian steel industry and government officials in April 2022. - Analysing the exposure of international finance institutions to low-carbon steel projects in emerging economies. - Gathering company perspectives on policies and conditions which enables or hinders the transition. - Updating announcements of investments in low-carbon steel projects (Green Steel Tracker) - The Working Group on Finance, a public-private platform for information-sharing and discussion aiming to demonstrate how finance can contribute to decarbonizing heavy industry. Themes have included learnings from financing renewable energy transition and use of roadmaps to support access to finance. - Events at Stockholm+50: High-level dialogue on milestones to reach net zero by 2050; workshop on the steel breakthrough; showcase of green steel value chains through site visits and press launch. <p>Priority actions for 2023 include further technical assistance for emerging economies wishing to develop national sectoral roadmaps (including the implementation of key policy, infrastructure and financing decisions); reviewing the green skills gap and the financial assistance of existing and potential multilateral funds available for the green steel transition in emerging economies; and continued updates to the Green Steel Tracker.</p>

Key international initiatives working in the steel sector

Initiative	Brief summary of overall objectives	Category (public /private)	Main workstreams 2022-2023 including expected outcomes by COP28 (November 2023)
SteelZero	<p>Climate Group's SteelZero initiative, run in partnership with ResponsibleSteel, is writing the new BAU foundations for responsible steel buying. As with RE/EV/EP100, SteelZero is mobilising private sector procurement commitments to support the wider ecosystem, harnessing the coordinated collective purchasing power and influence to shift and scale global markets and policies towards faster steel decarbonisation. Organisations across the value chain, from architects to developers to OEMs to fabricators, and across all steel consuming sectors (construction, automotive, shipping etc) that join SteelZero make a public commitment to procure 100% net zero steel by no later than 2050, critically with a 2030 interim requirement of 50% responsible steel sourcing.</p>	Private	<ul style="list-style-type: none"> • <i>Raise the voice of the demand side</i>: Constantly expanding base of signatories, actively embedding the SteelZero commitment into their procurement processes, specification & tender documents <ul style="list-style-type: none"> - Published SteelZero Global Policy Principles - Hosted inaugural SteelZero summit at Orsted Headquarters - Leading voice influencing robust, equitable and consistent definition setting and procurement/ specification targets • x9+ Task Forces to support <i>sector</i> transitions (e.g. low emission steel in shipping); <i>topic</i> focused work (e.g. Under2 and subnational policy, reporting and accountability); <i>geographic</i> growth (India, China, North America, Japan, South Korea) • Co-develop implementation and accountability tools, resources, guidance documents, chain-of-custody, policy recommendations
Responsible Steel	<p>The first and only multistakeholder International Standard and Certification programme on ESG for the steel sector. Aims to drive the acceleration of socially and environmentally responsibly produced net zero steel. Reassures stakeholders of this via a third party certification process. Takes a technology agnostic approach, but aims to ensure a dash for scrap does not divert the significant efforts needed to decarbonise primary steelmaking. Provides a multi-stakeholder forum across steel value chain players, civil society, finance and independent experts to build trust and achieve consensus. 'Site certification' not only addresses GHG emissions associated with steelmaking, but the full Environmental, Social and Governance criteria (e.g. biodiversity, water usage, labour and human rights). 'Steel certification' introduces new GHG elements + responsible sourcing.</p>	Public/Private	<ul style="list-style-type: none"> • 2022 (Sept): ResponsibleSteel V2.0 adopted via membership vote with 96% support, generating additional requirements for 'steel certification' on embodied crude steel GHG emissions and responsible sourcing of input materials. • 2022-3 ResponsibleSteel events in India, Japan, Korea, N America, leading to global growth in membership participation across all continents. 13% steel industry in membership @Nov 22 • 2022-3: growth in <u>site</u> certifications to cover >100mt steel production volume and >150,000 workers @Oct 22. 150mt estimated by COP28. • 2023: First <u>steel</u> certifications against additional requirements of ResponsibleSteel V2.0 expected 2023. • Working towards further alignment with other steel initiatives³³

Key international initiatives working in the steel sector

Initiative	Brief summary of overall objectives	Category (public /private)	Main workstreams 2022-2023 including expected outcomes by COP28 (November 2023)
<p>Net Zero Industries Mission</p>	<p>The Net Zero Industries Mission (NZIM) plans to showcase at least 50 large-scale demonstration projects by 2030, which is set to decarbonise intensive industries such as steel, cement, and chemicals to facilitate the full decarbonisation of industry across regions around the world by 2050.</p> <p>The Mission is led by Austria and Australia, in collaboration with Canada, China, the European Commission, Finland, Germany, the Republic of Korea and the United Kingdom.</p> <p>The Mission aims to achieve its goals through:</p> <ul style="list-style-type: none"> · Increasing, connecting and helping to align both national and multinational RD&D efforts into a challenge driven initiative · Novel technology cooperation to reduce “time to market”. · Joining forces with existing networks, organisations and platforms to raise awareness, alignment, create knowledge and confidence in the use of innovative solutions 	<p>Public/Private</p>	

Agriculture Breakthrough

Map of the Agriculture sector

Long-term Vision & Action Plans	Multilateral Agencies (FAO, UNEP, OECD)		Koronivia Joint Work on Agriculture			
Demand Creation & Management	Farmer Organisations		World Food Programme			
Infrastructure & Supply Chains	National Distribution Systems					
Finance & Investment	International Fund for Agricultural Development (IFAD)	ClimateShot Impact Investing Coalition	Good Food Finance Network	International and regional development banks	Bill & Melinda Gates Foundation	
Research & Innovation	FAO	CGIAR	AIM for Climate	GFAR	GRA	Adaptation Research Alliance Regional networks: AGRA, APAARI, FARA, IICA, AAA, PLACA
Market Structures	World Business Council for Sustainable Development (WBCSD)		The Science Based Targets initiative (SBTi)		Global Methane Pledge	
Standards & Certification	FAO		Government agencies			
Trade Conditions	FACT Roadmap		OECD			
Knowledge, Capability & Skills	FAO	Regional networks: AGRA, APAARI, FARA, IICA, AAA, PLACA		Feed the Future	CGIAR	
Social Engagement & Impact	100 Million Farmers		Regen10		Ban Ki-moon Centre for Global Citizens	
Landscape Coordination	Agriculture Breakthrough in partnership with the initiatives below					

Key international initiatives working in the agriculture sector

Initiative	Brief summary of overall objectives	Category	Main workstreams 2022-2023: recent achievements and forward plans
Agriculture Innovation Mission for Climate	The Agriculture Innovation Mission for Climate (AIM for Climate) is a joint initiative by the United States and the United Arab Emirates. AIM for Climate seeks to address climate change and global hunger by uniting participants to significantly increase investment in, and other support for, climate-smart agriculture and food systems innovation over five years (2021-2025).	Public and private	<ul style="list-style-type: none"> Over 275 partners have now joined AIM for Climate, including 42 countries, and multiple innovation sprints have been launched. At COP27, the US and UAE will announce progress against the target set in February 2022 to double investment commitments from public and private sector partners for climate-smart agriculture and food systems innovation to \$8 billion and announce plans for 2023.
Food and Agriculture for Sustainable Transformation initiative	The Food and Agriculture for Sustainable Transformation (FAST) initiative is one of Egypt's flagship COP27 Presidency initiatives. FAST's aspirational goal is to implement action to improve the quantity and quality of climate finance contributions to transform agriculture and food systems by 2030, to support adaptation and maintain a 1.5-degree pathway while supporting food and economic security.	Public and private	<ul style="list-style-type: none"> FAST will have its official launch on 12th November (Adaptation and Agriculture Day) during COP27. FAO, in collaboration with other UN agencies, is leading the initiative. Deliverables will focus on three pillars: (1) Access to finance; (2) Knowledge and capacity and (3) Policy dialogues.
ClimateShot Investor Coalition	The ClimateShot Investor Coalition (CLIC) is an action-oriented group for leaders in the impact investment community working in agriculture and food systems globally. The Coalition aims to collectively scale up and accelerate finance for agriculture and food systems globally, to deliver on the ambitions of the Agriculture Breakthrough. CLIC is funded by the UK Government and led by the Climate Policy Initiative.	Private	<ul style="list-style-type: none"> Over 30 impact investors have joined CLIC and participated in an Action Group meeting focused on innovative finance, with further meetings planned later this year. In 2023, the Climate Policy Initiative will deliver a detailed analysis, on behalf of CLIC, on current climate finance flows towards agriculture, forestry and land use globally, including both public and private sector flows. Further Action Group meetings of investors will take place, as well as detailed discussions regarding creating a Deal Room.

Key international initiatives working in the agriculture sector

Initiative	Brief summary of overall objectives	Category	Main workstreams 2022-2023: recent achievements and forward plans
Global Roadmap to 2050 for Agriculture and Land Use	This initiative seeks to deliver a roadmap to help investors in the Agriculture, Forestry and Other Land Use sector to align portfolios with the Paris Agreement, while also ensuring the protection and restoration of nature and achieving food and nutrition security goals. It originates in an open letter supported by investors with over \$17 trillion as well as Christiana Figueres and Ban Ki-Moon which called for a Global Roadmap to 2050 for agriculture and land use.	Public and private	<ul style="list-style-type: none"> • FAO will announce its leadership of the initiative at COP27. • Drawing on the IPCC and synthesising key evidence in a digestible way for investors and other stakeholders, the Roadmap will lay out assumptions and milestones for 2030, 2040 and 2050 for different agriculture, forestry and land use subsectors.
World Bank/UK Sustainable Agriculture Policy Dialogue	The Policy Dialogue on Accelerating Transition to Sustainable Agriculture was launched in January 2021 by the UK Government and the World Bank. The Dialogue aims to mobilise government leadership on policy action, innovation and investment needed for a transformation in agriculture and food systems. It provides a peer-to-peer platform for countries to share evidence, knowledge and experience of policy action they are taking to deliver sustainable agriculture.	Public	<ul style="list-style-type: none"> • To date, 45 countries have participated in the Policy Dialogue, which has broadly agreed a set of 3 success criteria for sustainable agriculture – to deliver for people (healthy diets and economies), climate (mitigation and adaptation) and nature (protecting and restoring biodiversity). Countries are encouraged to engage in the Dialogue. • 17 countries have endorsed a Policy Action Agenda, developed through the Dialogue, which sets out guidelines and milestones for policy reform. • In 2023, the Policy Dialogue will provide an ongoing platform to mobilise leadership, share knowledge and experience and to build partnerships, including on financing for sustainable agriculture.