

Outcomes from the 14th Clean Energy Ministerial (CEM14) and 8th Mission Innovation (MI-8) Ministerial meeting in Goa, India (19-22 July 2023)
Summary from the Chairs

The Government of India hosted the 14th Clean Energy Ministerial and 8th Mission Innovation (MI-8) Ministerial meeting from 19-22 July 2023, bringing together representatives from across Mission Innovation (MI) and the Clean Energy Ministerial (CEM) for one of the largest global clean energy events of the year. This year's Ministerial was a pivotal moment to bring together the clean energy community to consider the status of clean energy innovation and deployment and initiate actions to accelerate clean energy together.

As part of the Ministerial programme on 21 July 2023, Ministerial Chairs, Minister Shri Raj Kumar Singh (Honourable Minister of Power and Ministry of New & Renewable Energy) and Minister Dr. Jitendra Singh (Honourable Minister of Science & Technology), welcomed Ministers and Heads of Delegation from 26 CEM and MI members and governments, as well as international organisations and key partners to share their clean energy priorities and looking ahead, to identify the priority actions required to supercharge clean energy transitions. They also highlighted India's commitment and significant contributions to both CEM workstreams and MI initiatives, as well noting the strong synergies between the CEM/MI and the G20, achieved by India hosting these meetings back-to-back.

The Chairs highlighted India's priorities around advancing clean energy solutions together and the need to respond to the realities of climate change, harnessing the power of all members of society to make the clean energy transition affordable, just and inclusive. The Chairs also highlighted India's success in deploying renewable energy technologies across the country, noting that India has achieved its 2030 goal of 40% of power generation in the country coming from renewable sources, 9 years early.

Seeking to be the torch bearer for other emerging economies traversing their pathways towards the clean energy transition, India is transforming the energy landscape of the country by accelerating clean energy innovation and deployment for critical technologies - from smart grids and renewables, to clean hydrogen, CCUS, industrial decarbonisation, bioresources, clean energy materials, energy storage, and more.

The Chairs also highlighted the important role of public-private partnership in achieving the goals of both fora and accelerating clean energy innovation and deployment. Recognising the importance of this relationship, Ministers and Heads of Delegation were invited to participate in a series of CEO-Ministerial roundtables and High-Level Dialogues with representatives from business and industry on topics such as battery storage, low-carbon and green hydrogen, biofuels, clean energy marine hubs, sustainable cooling, access to energy, industrial decarbonisation, and One Sun One World One Grid.

The plenary discussion emphasised the critical role that CEM and MI are playing to accelerate clean energy transitions, by turning our ambitious clean energy commitments into action. Through coordinated actions, networks, partnerships, and exchanges of knowledge and insights, clean energy can be affordable, attractive, and accessible to all. Key global highlights on clean energy innovation and deployment provided by MI and CEM showcased the achievements of both communities, cementing CEM and MI as key centres of gravity in the global clean energy landscape.

Ministers, Heads of Delegation, and partner organisations emphasised the urgency of the energy and climate challenges that the world is facing, with the global realities of climate change now at our front doors.

In their capacity as previous hosts of the CEM13 and MI-7 Ministerial meeting in 2022, United States Energy Secretary, H.E. Jennifer M. Granholm, provided an inspirational call to action for CEM and MI members – recognising that clean energy collaboration through CEM and MI is not an option but a mandate, and calling on members to go much further to scale up the clean energy solutions the world needs. She reflected on how the CEM and MI communities came together at last year’s Global Clean Energy Action Forum, which convened CEM13/MI-7, to meet and exceed – four years early – President Biden’s challenge to mobilize \$90 billion for clean energy technologies demonstrations.

Looking ahead and in their capacity as future hosts of the CEM15 and MI-9 Ministerial meeting in 2024, Brazil’s Minister of Mines and Energy, H.E. Alexandre Silveira, congratulated the CEM and MI communities on what has already been accomplished together and their capacity for not only dialogue, but also concrete collaboration and cooperation to achieve common objectives. He noted that when Ministers are mobilised and provide direction, CEM and MI stand ready to engage and deliver. Brazil looks forward to leveraging this opportunity by strengthening the link between CEM, MI and the G20 in 2024 as well as with the planning for COP30 which will be held in Belém, Brazil in 2025.

Increasing momentum on clean energy innovation

MI’s Missions are providing a collaborative framework to address these pressing energy challenges and are launching collaborative projects to supercharge clean energy innovation towards tipping points in sectors that are essential for a decarbonised future. The Missions focus on the biggest global challenges: power systems, hydrogen, shipping, clean energy solutions for urban environments, biorefineries, carbon dioxide removal, and industrial decarbonisation.

Together, they have the potential to unlock affordable decarbonisation for sectors responsible for more than half of global emissions. Many Ministers and Heads of Delegations highlighted their important contributions to the Missions as well as recognising that more contributions from MI Members will be needed to ensure their continued momentum towards Mission goals.

The leads of the MI initiatives leave Goa empowered by the political commitment of member governments to achieving their ambitious goals. They will showcase further progress at COP28 later this year, highlighting the vital role of innovation in addressing the climate crisis, and look forward to working with Brazil in its G20 Presidency role in 2024.

Supercharging clean energy deployment

Ministers and Heads of Delegation noted that CEM members are some of the most forward-leaning actors in clean energy, leading the ambition towards net-zero and having already mobilised over USD 1 trillion of clean energy investments. By working together in areas of mutual interest, CEM members can provide a significant contribution to accelerating the deployment of clean energy solutions by providing global, ‘Insights, Inspiration and Impact’ on clean energy issues.

The CEM’s workstreams are ready-made action coalitions for governments, expert organisations, business and industry to work on deployment issues across the clean energy sector and deliver effective results. Ministers and Heads of Delegation acknowledged the ambitions and achievements of CEM workstreams in key priority areas such as power systems, clean fuels, transport, industry, buildings and empowering society. Ministers and Heads of Delegation also endorsed the flexibility of the CEM which allows members to work on new topics in line with their priorities. For example, the establishment of the new International Hydrogen Trade Forum (IHTF) which brings together hydrogen

importing and exporting countries to accelerate international hydrogen trade, promote collaboration, and address barriers in the emerging hydrogen market.

In terms of new areas of work, CEM14 provided the opportunity to launch a new initiative on Clean Energy Marine Hubs, a first of its kind platform that brings together the private sector and governments across the energy-maritime value chain, transforming maritime transportation and production hubs for future low-carbon fuels. Members also recognised the growing importance and critical need for battery storage in advancing clean energy transition, expressing interest in identifying common areas of work for a potential new workstream on battery storage, with a potential formal kick-off at COP28 in December. This topic will also feature at the upcoming UN Secretary General's Climate Summit in New York in September 2023.

Looking Ahead: From Goa to Brazil

Moving forward, members reiterated the important role that CEM and MI play in implementing their clean energy priorities, as well as those identified in other international fora such as the G20, G7 and UNFCCC COP. They noted that while strong political signals are needed to mobilise all clean energy actors, the urgency of the issues means that action cannot wait for consensus. The CEM and MI have already demonstrated how combining political ambition with practical implementation helps to accelerate clean energy progress, providing leaders with confidence that they have the tools and mechanisms that they need to support more ambitious clean energy innovation and deployment targets in order to achieve a net-zero future.

In the closing session, India thanked all members for the engagement and commitment to clean energy issues they had demonstrated in Goa and welcomed Brazil as the next host of the CEM15 and MI-9 Ministerial meeting. Brazil thanked India for their hospitality and commitment to hosting such a memorable Ministerial which will set the bar high for future years. Brazil announced that CEM15/MI-9 would be held in the Brazilian city of Foz Do Iguaçu in September 2024 with the support of Itaipu Binacional. Brazil confirmed that like India, they will leverage the linkages between CEM, MI and the G20 and called on all members and partners to continue building an agenda of impact and results that consolidates CEM and MI as powerful, action-oriented platforms.