

MARCH  
20-22

RIO DE  
JANEIRO

## CEM & MI IN RIO

Clean Energy Ministerial 14 Senior Officials Meeting  
Mission Innovation 8 Annual Gathering

**MI Pre-Read Material**

**7 March 2023**

*Version 1*



**MISSION  
INNOVATION**



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### Foreword by the Host

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Dear MI delegates,

As a member of MI, Brazil is proud to welcome the members of Mission Innovation to the upcoming MI Annual Gathering of Senior Representatives, which will be held for the first time in the stunning city of Rio de Janeiro.

This event marks the continuation of Brazil's journey towards a cleaner and more sustainable energy future within the next years. This is not just a national goal but one shared by the international community and to which we strive to make our contribution. In the months ahead, our new administration will work hard to drive public and private investment to support a fair and equitable energy transition, tapping into our already existing national expertise in renewable energy sources, but also expanding research and innovation in the least explored areas to guarantee that Brazil's future energy needs will be met with clean sources. We are optimistic that this transition will lead our country to greater stability, provide growth and new opportunities, and contribute to social prosperity in the long run.



Mission Innovation has a crucial role to play in accelerating the clean energy transition. As its decade of action gets underway in earnest, the Annual Gathering of Senior Representatives is an important moment to take stock, to assess progress and to ensure that we are on the right path towards meeting the Paris Agreement goals and pathways to net zero. We look forward to the conversation in Rio, recognizing its importance as a milestone towards MI-8 in Goa, but also in framing Brazil's hosting of the MI and CEM Ministerial meetings in 2024.

We are proud to host you in Rio to explore the future of clean energy.

Kind regards,



*Thiago Vasconcellos Barral Ferreira  
Secretary for Energy Transition and Planning  
Ministry of Mines and Energy - Brazil*

### **Logistics Note**

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The Conference venue is Sheraton Grand Rio Hotel & Resort (Address: *Avenida Niemeyer, 121, Leblon, Rio de Janeiro – RJ, Brazil, 22450-220*. Contact number: *+55 21 2274-1122*). More information about the hotel can be found at its [website](#). All agenda sessions, side meetings and plenary discussions will be held at this venue. Located on the beach in Brazil, Sheraton Grand Rio Hotel & Resort is Rio de Janeiro's only beachfront resort with an extensive recreational area, spa, and amenities. Tucked between trendy Barra da Tijuca and famed Ipanema Beach, the hotel offers extensive business facilities in a tropical setting.

Sheraton Grand Rio Hotel & Resort provides participants with 538 air-conditioned rooms that feature views of the Atlantic Ocean and Leblon Beach. Guests can also count on a complimentary shuttle from the hotel that takes them to local beaches, Leblon and Rio Sul's shops. The hotel is located 2.2 km from Antero de Quental metro station, 15 km from Santos Dumont Airport, and 35 km from Antonio Carlos Jobim International Airport (Galeão).

### **Overview of Programme**

#### **Day 1 - Monday 20 March (8:00-18:30 BRT)**

This day is primarily dedicated to the Clean Energy Ministerial's Senior Officials' Meeting. A limited number of MI workshops and meetings will take place in the margins, but only where they do not draw any attendees from the CEM plenary (neither HoDs, nor their accompanying delegates).

Invitations to these workshops/meetings will be issued directly to those concerned.

#### **Day 2 - Tuesday 21 March (8:00-19:00 BRT)**

Day 2 will be a joint CEM-MI Day convening Senior Representatives and accompanying delegates from all member countries that reflects on a stronger collaboration between CEM and MI. Following on from the first ever CEM and MI Joint Ministerial Meeting in Pittsburgh (Global Clean Energy Action Forum), both communities have agreed to the value and opportunities inherent in deeper collaboration. In addition to hearing India present its plans and vision for the 2023 Ministerial meetings, during this Joint Day Senior Representatives will hear updates on the Breakthrough Agenda and plans for COP28. A number of side events will bring the CEM and MI communities together around topics of common interest with potential for ongoing collaboration and impact. This is a particularly high-profile day for Brazil as hosts, where the CEM and MI memberships will hear updates on Brazil's clean energy transition, as well as more broadly in Latin America.

#### **Day 3 - Wednesday 22 March (8:00- 18:30 BRT)**

The MI Annual Gathering is the key meeting for Senior Representatives to review, discuss and set MI's strategy and workplan for the year ahead, as well as to share insights on national priorities and strengthen their network of senior clean energy innovation leaders.

The programme has been designed to allow the Mission Innovation community to advance with its strategic priorities for 2023. In addition to a plenary meeting of Senior Representatives of member countries and collaborating organisations, all attendees will have the opportunity to join interactive small group discussions around the key challenges and opportunities. We will engage with Senior Representatives around our key priorities of Missions, Insights and Reach.

### **Day 4 - Thursday 23 March (10:00-16:00 BRT)**

We welcome CEM and MI delegates to join the following site visits options:

a) Operation Centre - National System Operator (ONS)

The visit opens with a presentation on the scenario in which the ONS is inserted, the players in the Brazilian Power Sector and the interface between them, passing through the updated configuration of the National Interconnected System (SIN) and the Isolated Systems (SISOL). Then, the group is taken to the Observatory, with a privileged view of the operation room, the team in action and the panel. The presenter provides an overview of the functioning of the room and the details and information accompanied in real time via the screen.

Other details:

- Limited to 30 people per group (a pre-registration form will be available soon).
- Two visit groups will be available (from 10 to 12am or from 14 to 16pm).

b) Under Confirmation

A second site visit option is being considered. Further information will be provided soon by the hosts.

### **Catering/Social**

Lunch and coffee breaks will be provided for CEM and MI delegates on all three days (20-22 March). Evening meal will be provided during the cocktail that will take place on Tuesday March 21, more information to follow. Delegates were asked to indicate any special meal requirements in the online registration form. More information will be provided upon arrival.

### **Meeting Access and Accreditation/Badges**

Only delegates that pre-registered to attend (by completing and returning the Registration Form), and received a confirmation email from the hosts, will have access to the CEM and MI meetings. Upon arrival at the event venue, participants should check in at the registration desk, which will be operational at the venue from March 19, to receive individual name badges which will be required to enter CEM and MI meetings.

*Note that both MI and CEM reserve the right to restrict access to certain sessions/events in line with the design of their respective programmes.*

## Health Advisory

### **Covid-19 Regulations**

If you are traveling to Brazil, you must show valid proof of one of the following on entry:

Travelers who are fully vaccinated are *not required* to take an additional COVID-19 test to enter Brazil. When travelling to Brazil you will only need to present a **Vaccination Certificate** to the airline before boarding and during travel. Your vaccination status must meet the Brazilian authorities' validity period requirements. The [Brazilian National Health Surveillance Agency \(ANVISA\) website](#) (*in Portuguese*) lists the forms of acceptable proof of COVID-19 vaccination (this includes all vaccines from the [Brazilian Health Authority](#) or the WHO such as Moderna, Oxford/AstraZeneca, and Pfizer/BioNTech vaccines). Please note that the Vaccination Certificate must be presented in paper form or digitally, in English, Portuguese or Spanish language. Your final vaccine dose must have been administered at least 14 days prior to travel. The vaccination certificate must show your full name of the vaccinated person, name of the vaccine used, batch number, dates of vaccinations. Vaccination certificates consisting only of a QR code will not be accepted.

Travelers who are NOT fully vaccinated can *only* enter Brazil by air or land by presenting one of the following documents: Either the Proof of a Negative PCR test or a Negative Antigen Test, taken no more than 24 hours before boarding or entering by land; *OR* a Proof of Recovery. The Proof of Recovery includes *two negative COVID-19 tests*, with an interval of at least fourteen days, the last being performed up to one day before the moment of departure/entry into the country; and a *Medical certificate* containing the signature of the responsible physician and that you are asymptomatic and able to travel, with the date of travel). All forms of proof must be presented in English, Spanish or Portuguese and shown to airline staff at check-in.

Regulations on entry change frequently with the pandemic situation. We advise that you monitor and regularly check the current entry requirements for Brazil again shortly before departure from the [official authorities in Brazil \(National Health Surveillance Agency\)](#). Information about detailed measures and detailed Covid statistics from the [Brazilian government can be found here](#).

### **Vaccinations**

- COVID-19: All eligible travelers should be up to date with their COVID-19 vaccines. The required minimum vaccination is two doses (or single dose depending on the vaccine) taken at least 14 days prior to departure.. At this time, all travelers are required to wear masks while inside aircrafts and at Brazilian Airports.
- Confirm primary courses and boosters are up to date: Make sure you are up-to-date on all routine vaccines before every trip, some of these vaccines include *Chickenpox (Varicella), Diphtheria-Tetanus-Pertussis, Flu (influenza), Measles-Mumps-Rubella (MMR), Polio, and Shingles*.
- Other vaccines to consider: *Hepatitis A; Rabies; Typhoid; Yellow Fever*.

- Selectively advised vaccines - only for those individuals at highest risk: *Hepatitis B*.

In this country Chikungunya, Dengue fever, Malaria and the Zika virus are prevalent. A good protection against mosquito bites in the daytime is necessary. In this country mammals could be infected with [Rabies](#), we thus recommend to avoid contact with mammals.

### **Other Information**

Meeting Attire: Business attire is required throughout both CEM and MI meetings.

Language: The CEM and MI Meetings will be conducted in English.

*Further detailed logistic information can be found in the enclosed detailed note – **Annex 1: Logistics Note***

### Scene Setter – Introduction and Objectives

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The MI Annual Gathering is the key meeting for Senior Representatives to review, discuss and set MI's strategy and workplan for the year ahead, as well as to share insights on national priorities and strengthen their network of senior clean energy innovation leaders.

The programme has been designed to allow the Mission Innovation community to advance its strategic priorities for 2023, namely:

- 1. Implementing the Missions** – Building on the high-level actions identified in the Missions' action plans, at the Annual Gathering we seek agreement on, and enhance member awareness of, the concrete deliverables that Missions need to fulfil in 2023. Concrete deliverables must be specific, achievable and time-bound. **Desired outcomes: Inform and agree on the set of deliverables Missions will aim to achieve in 2023 and provide strategic guidance to Missions.**
- 2. Equipping for success** – Defining concrete deliverables, and understanding how we will measure success, will help us understand where more resource and political commitment is needed to help Missions deliver. At the Annual Gathering, we aim to gauge existing funding and resource commitments from members and seek additional concrete commitments to ensure that Missions are on track to meet the concrete deliverables referred to above in 2023 and beyond. **Desired outcomes: Clarity on funding and resource commitments to the Missions to ensure they are equipped to achieve the deliverables for 2023.**
- 3. Monitoring progress** – This year, MI's strategic approach on monitoring progress is based around two pillars, the first supporting Missions on monitoring their progress against key milestones and performance metrics, and the second pillar taking a broader look at progress across research, development, and demonstration for clean energy, including the delivery of commitments to the 94B\$ Clean Energy Technology Demonstrations announced at GCEAF. **Desired outcomes: Agree on mechanisms and metrics that MI will use to track progress and define MI's role in tracking progress of global activity such as clean energy demonstrations.**
- 4. Extending MI's reach** – MI aims to make clean energy affordable, attractive, and accessible for all. Achieving this will require MI to have an impact beyond its membership to bring clean energy innovations and insights to all countries. At the Annual Gathering, we will consult with members on how to extend the reach and impact of MI without compromising the role of MI of bringing together active and engaged pioneers in clean energy innovation. **Desired outcomes: Agree an approach to extending MI's reach.**
- 5. Continuing engagement with CEM and the Breakthrough Agenda** – Discussions will continue on defining the relationship, funding arrangements and working arrangements with the Breakthrough Agenda. There will be workshops on several Breakthrough Agenda topics and joint workshops between CEM and MI initiatives. **Desired outcomes: Clarity on the relationship and working arrangements with the Breakthrough Agenda.**



### Communications

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We welcome Social Media Posts from participants highlighting their attendance at this important meeting for Mission Innovation. As the Annual Gathering is an internal event, we would ask you though to not communicate any details of the conversations that are taking place. This includes any notes (e.g. flipcharts) in the background of an image you are taking on site. We therefore kindly recommend focusing on pictures of you and your delegation or other participants, highlighting Brazil as host of the Annual Gathering as well as the importance of Mission Innovation itself.

The MI Secretariat will be doing likewise and kindly invites the participants to amplify those Social posts by engaging with them (e.g. liking or reposting). We will engage with your posts if you tag [@MICleanEnergyRD](#) on Twitter or [@MissionInnovation](#) on LinkedIn.

The MI Social Channels are:

- [Twitter](#)
- [LinkedIn](#)

If you'd like to:

- Use Hashtags, we recommend using the following: [#MissionInnovation](#), [#CEMMIBRAZIL](#), [#cleanenergy](#), [#Netzero](#) and [#innovation](#)
- Post something, or forward something to your Comms Department to post but are unsure about the content, you can use the following copy or parts of it:  
*"Senior Representatives of the global initiative "Mission Innovation" meet at the Annual Gathering, hosted by Brazil this year. As a member of @MICleanEnergyRD [your country] is catalysing action and investment to make clean energy affordable, attractive and accessible to all this decade"*
- Use the MI-Logo to create a quote card or similar, please find the logos [here](#), and the guidelines on how to use them [here](#).

As always, when posting pictures of other individuals, please make sure that you get their permission before sharing.

Please don't hesitate to reach out to [Carmen Heilmaier](#) & [Kirstin Janocha](#) if you have any further questions or suggestions to the MI Comms Team.

# CEM & MI IN RIO

Clean Energy Ministerial 14 Senior Officials Meeting  
Mission Innovation 8 Annual Gathering

## Block Agenda

		<b>Monday, 20 March</b> <b>CEM Day</b> CEM Plenaries & Side Events MI Workshops & Meetings		<b>Tuesday, 21 March</b> <b>CEM/MI Day</b> Joint Meetings, Plenaries, Side Events, Ministerial Prep, Host Sessions			<b>Wednesday, 22 March</b> <b>MI Day</b> MI Plenaries & Workshops		<b>Thursday, 23 March</b> <b>Site Visit Day</b>	
AM	CEM PROGRAMME	<b>09h30-11h00</b> Missions: Best Practice Roundtables (Vidigal A & B)	<b>10h00-11h00</b> Insights Meeting (Leblon)	<b>08h00-09h00</b> MI/CEM Joint Steering Committee (Leme)		<b>08h00-09h00</b> Biofuture Initiative: Collaboration between CEM/MI on Bioresources (Copacabana)		<b>08h00-09h00</b> MI Steering Committee (Leme)		
				<b>09h15-10h15</b> MI/CEM Joint Plenary: Impact and Synergies (Gávea)			<b>09h00-10h15</b> MI Opening Plenary: Delivering Impact and Ambition in 2023 (Gávea)			
		<b>11h30-12h30</b> Missions: Speed Networking Session (Vidigal A & B)		<b>10h30-11h45</b> MI/CEM Joint Plenary – Road to Goals - CEM14/MI-8 (Gávea)		<b>10h30-12h30</b> CHM Workshop: Hydrogen in Latin America (Vidigal A & B)		<b>10h30-12h30</b> Missions Roundtables: Delivering in 2023 and Beyond (x3 Rounds) (Copacabana)		
				<b>11h45-12h45</b> Breakthrough Agenda 1: The Future of Climate Collaboration (Gávea)	<b>11h45-12h45</b> EPI - A fair green transition throughout lifestyle changes (Leme)	<b>11h45-12h45</b> BioFuture Campaign: Future Fuels (Ipanema)				
PM		<b>12h45-13h45</b> <i>Lunch</i>	<b>13h00-14h30</b> <i>Joint Lunch</i>			<b>12h30-13h30</b> <i>Lunch</i>				
		<b>14h30-15h30</b> Missions – Tracking Progress Workshop (Vidigal A & B)	<b>14h30-15h30</b> Special Session: LATAM Regional Energy Transition (Gávea)	<b>14h30-15h30</b> Breakthrough Agenda 2: Hydrogen (Copacabana)	<b>14h30-15h30</b> Breakthrough Agenda 3: Steel (Ipanema)	<b>13h30-15h00</b> Consultation Huddles (Copacabana)	<b>13h30-15h00</b> Insights Workshop: Energy Innovation Metrics Hub, MI Survey & NIPs (Vidigal A & B)			
		<b>16h00-17h00</b> Technical Advisory Group Meeting (Leblon)	<b>15h45-16h45</b> Breakthrough Agenda 3: Power (Copacabana)		<b>15h45-16h45</b> US-led Financing Clean Energy Demonstrations Dialogue (Ipanema)					<b>15h15-16h15</b> Hackathon (Copacabana)
		Missions Meetings (on request)	<b>17h00-18h00</b> Brazil Host Event: Spotlight on Brazil’s Energy Transition (Gávea) <i>Cocktail/Reception hosted by Brazil</i>			<b>16h30-18h00</b> MI Closing Plenary - including deliverables for MI-8 (Gávea)				

OPTIONAL  
SITE VISITS

## List of Participants

Titles and biographies for the Heads of Delegation can be found in **Annex 2: HoD Biographies**

### Mission Innovation Member Country Representatives

Country	Family Name	First Name	Role
<b>Australia</b>	<b>Munro</b>	<b>Kushla</b>	<b>Head of Delegation MISC Vice-Chair</b>
Australia	Hayward	Jenny	Technical Advisory Group member
Australia	Jacobsen	Niall	Delegate
Australia	Olesen	Peta	Delegate
Australia	Flentje	Warren	Delegate
Australia	Lenton	Andrew	Delegate
<b>Austria</b>	<b>Lutter</b>	<b>Elvira</b>	<b>Head of Delegation</b>
Austria	Gahleitner	Bernhard	Delegate
<b>Brazil</b>	<b>de Aragão da Costa</b>	<b>Agnes Maria</b>	<b>Head of Delegation</b>
<b>Canada</b>	<b>Wilson</b>	<b>Amanda</b>	<b>Head of Delegation</b>
<b>Canada</b>	<b>Haslip</b>	<b>Dean</b>	<b>Chair of Technical Advisory Group</b>
Canada	Klak	Stephanie	Delegate
Canada	Joyce	Jenna	Delegate
Canada	Rodrigue	Jean-Pierre	Delegate
<b>Chile</b>	<b>Brady Berkowitz</b>	<b>Mijal</b>	<b>Head of Delegation</b>
Chile	Garcia	Hector	Delegate
<b>China</b>	<b>Lu</b>	<b>Ping</b>	<b>Head of Delegation</b>
China	Jiao	Yaxuan	Delegate
China	Zhou	You	Delegate
<b>Denmark</b>	<b>Buch</b>	<b>Cecilie</b>	<b>Head of Delegation</b>
Denmark	Vestergaard	Andreas	Delegate
<b>European Commission</b>	<b>van der Vlies</b>	<b>Rosalinde</b>	<b>Head of Delegation MISC Vice-Chair</b>
European Commission	Krzyzanowska	Anna	Delegate
European Commission	Tzimas	Evangelos	Technical Advisory Group member
<b>Finland</b>	<b>Korteniemi</b>	<b>Juho</b>	<b>Head of Delegation</b>
<b>Germany</b>	<b>von Knobelsdorff</b>	<b>Kurt-Christoph</b>	<b>Head of Delegation</b>
Germany	Dolganova	Iulia	Delegate
Germany	Draeger	Annette	Delegate
Germany	Steinle	Lorena	Delegate
<b>India</b>	<b>Gupta</b>	<b>Anita</b>	<b>Head of Delegation MISC Vice-Chair (ex-officio)</b>
India	Kasture	Sangita	Delegate
India	Koley	Pradyot	Delegate
India	Saini	Vineet	Delegate
<b>Japan</b>	<b>Koyama</b>	<b>Masaomi</b>	<b>Head of Delegation</b>
<b>Japan</b>	<b>Kondo</b>	<b>Michio</b>	<b>Vice-Chair of Technical Advisory Group</b>
Japan	Hirano	Akiko	Delegate
Japan	Maruta	Akiteru	Delegate

<b>Kingdom Saudi Arabia</b>	<b>Al-Musa</b>	<b>Faisal</b>	<b>Head of Delegation</b>
Kingdom Saudi Arabia	Alhassnan	Hisham	Delegate
Kingdom Saudi Arabia	Almutairi	Sami	Delegate
Kingdom Saudi Arabia	Alsubaity	Basel	Delegate
<b>Morocco</b>	<b>Habibi</b>	<b>Najlae</b>	<b>Head of Delegation</b>
Morocco	Ennassiri	Rachid	Delegate
<b>Netherlands</b>	<b>TBD</b>		<b>Head of Delegation</b>
Netherlands	Brummelhuis	Lisanne	Delegate
Netherlands	Rot	Marco	Delegate
<b>Norway</b>	<b>Christensen</b>	<b>William</b>	<b>Head of Delegation</b>
Norway	Barratt-Due	David	Delegate
Norway	Karlsen	Per Arne	Technical Advisory Group member
<b>Republic of Korea</b>	<b>Jeong</b>	<b>Gwonho</b>	<b>Head of Delegation</b>
Republic of Korea	Choi	Gyun	Delegate
Republic of Korea	Lee	Yejin	Delegate
<b>Spain</b>	<b>García Fenoll</b>	<b>Ignacio</b>	<b>Head of Delegation</b>
<b>Sweden</b>	<b>Paulsen</b>	<b>Jacob</b>	<b>Head of Delegation</b>
<b>United Arab Emirates (COP28)</b>	<b>McQueen</b>	<b>Dane</b>	<b>Head of Delegation</b>
United Arab Emirates	Alshamsi	Rahma	Delegate
United Arab Emirates	Higgins-Watson	Harley	Delegate
United Arab Emirates	Malek	Abdulla	Delegate
<b>United Kingdom</b>	<b>McDonough</b>	<b>Lee</b>	<b>Head of Delegation</b>
United Kingdom	Berry	Simon	Delegate
United Kingdom	Durrant	Paul	Delegate
United Kingdom	Mukhopadyay	Sam	Delegate
United Kingdom	Schonfield	Solomon	Delegate
United Kingdom	Stafford	Edmund	Delegate
United Kingdom	Webb	Matthew	Delegate
<b>USA</b>	<b>Cerqueira</b>	<b>Julie</b>	<b>Head of Delegation MISC Chair</b>
USA	Berger	Elena	Delegate
USA	Besnard	Angelique	Delegate
USA	Biddle	Leslie	Delegate
USA	Books	Ashley	Delegate
USA	DiGiulian	Maria	Delegate
USA	Enriquez	Angela	Delegate
USA	Lloyd	Ian	Delegate
USA	Pielli	Katrina	Delegate
USA	Siefken	Anna	Technical Advisory Group member

## Collaborating Organisations

Organisation	Family Name	First Name	Role
<b>Breakthrough Agenda</b>	<b>Webber</b>	<b>Edward</b>	<b>Head of Delegation</b>
Breakthrough Agenda	Dale	Peter	Representative
Breakthrough Agenda	Edwards	Stephanie	Representative
Breakthrough Agenda	Morrisroe	Joe	Representative
Breakthrough Energy	TBD		Head of Delegation
GCoM	Deacon	Andrew	Head of Delegation
IEA	Warlick	Mary	Head of Delegation
IEA	Widell	Per-Anders	Representative
IRENA	TBD		Head of Delegation
IRENA	Lyons	Martina	Representative
Mission Possible Partnership	Ganguli	Manosij	Head of Delegation
Mission Possible Partnership	Lalit	Radhika	Representative
World Bank	TBD		Head of Delegation
World Economic Forum	Mehlum	Espen	Head of Delegation

## Observers

Organisation	Family Name	First Name	Role
<b>SEforALL</b>	<b>Dean</b>	<b>Brian</b>	<b>Delegate</b>
SEforALL	Garcia	Rosa	Delegate
UNEP	Gomis	Gustavo	Delegate
UNIDO	Ghoneim	Rana	Delegate
UNIDO	Skinner	Fiona	Delegate

## Initiative Leads/Representatives

Initiative	Family Name	First Name	Role
<b>MI Missions</b>			
<b>Carbon Dioxide Removal</b>	<b>Ackiewicz</b>	<b>Mark</b>	<b>Mission Director</b>
	Antes	Matthew	Mission Representative
	Almutairi	Sami	Mission Representative
	Alqahtani	Naif	Mission Representative
	Klak	Stephanie	Mission Representative
	Flentje	Warren	Mission Representative
	Lenton	Andrew	Mission Representative
<b>Clean Hydrogen Mission</b>	<b>Soede</b>	<b>Matthijs</b>	<b>Mission Director</b>
	Steinle	Lorena	Mission Representative
<b>Green Powered Future Mission</b>	<b>Martini</b>	<b>Luciano</b>	<b>Mission Director</b>
<b>Integrated Biorefineries Mission</b>	<b>Kwant</b>	<b>Kees</b>	<b>Mission Director</b>
	Kasture	Sangita	Mission Co-lead
	Brummelhuis	Lisanne	Mission Representative
<b>Net-Zero Industries Mission</b>	<b>Monaghan</b>	<b>Alan</b>	<b>Mission Director</b>
	<b>Lutter</b>	<b>Elvira</b>	<b>Mission Director</b>

## CEM & MI IN RIO

Clean Energy Ministerial 14 Senior Officials Meeting  
Mission Innovation 8 Annual Gathering

	Gahleitner	Bernhard	Mission Representative
<b>Urban Transitions Mission</b>	<b>Rambelli</b>	<b>Giorgia</b>	<b>Mission Director</b>
<b>Zero-Emission Shipping Mission</b>	<b>Vestergaard</b>	<b>Andreas</b>	<b>Mission Director</b>
<b>MI Innovation Communities</b>			
<b>Sustainable Aviation Fuels</b>	Kasture	Sangita	Co-Lead
<b>CEM Workstreams</b>	Ostheimer	Gerard	Biofuture Campaign
	Kline	Keith	Biofuture Campaign
	Olson	Jessica	CALSTART
	Arent	Douglas	NREL
	Joshi	Prateek	NREL
	Logan	Jeffrey	NREL

### Mission Innovation Secretariat

Family Name	First Name	Role
<b>Webster</b>	<b>Eleanor</b>	<b>Head of Delegation</b>
Adler	Dylan	Operations Officer
Fairclough	Helen	Operations Manager
Heilmaier	Carmen	Comms Manager
Janocha	Kirstin	Deputy Comms Manager
Joyce	Jenna	Missions Lead and Missions Engagement
Kearney	Sharon	Operations Manager
Klak	Stephanie	Missions Strategic Lead
Murauskaite-Bull	Ingrida	Insights Module Manager
Pease	Andrew	Tracking progress and Impact
Rodrigue	Jean-Pierre	Governance Manager
Rollason	Tom	Private Sector Manager
Vignols	Rebecca	Breakthrough Agenda and CEM Lead

## Monday, 20 March – CEM Day with MI Workshops

This day is primarily dedicated to the CEM14 Preparatory Meeting. A limited number of MI workshops and meetings will take place in the margins, but only where they do not draw any attendees from the CEM plenary (neither HoDs, nor their accompanying delegates).

Invitations to these workshops/meetings will be issued directly to those concerned. Should you require further information, please contact the [MI Secretariat](#).

### Missions: Best Practices Roundtables

Time	Location
09h30-11h00	Vidigal A and B
Participation	
Mission Directors, Mission reps, TAG members (Senior Representatives may attend, if of interest, with seats available on a first-come-first-serve basis)	
Chair	
Eleanor Webster	
Summary	
This session will enable Mission reps to discuss and tackle common challenges occurring across all Missions. After a quick introduction, participants will take part in informal discussions, selecting from two of three topics: member engagement, implementing joint projects, and communication activities. The latter part of the session will focus on best practices related to private sector engagement.	
Objectives	
<ul style="list-style-type: none"> <li>• Discuss common challenges across Missions</li> <li>• Share experiences and identify potential solutions</li> <li>• Strengthen networking between Missions</li> <li>• Identify ways that stakeholders and the MI community (including the MI Secretariat) could help to support the delivery of Missions</li> <li>• Start building a list of private sector stakeholders, and other needs, for each Mission who can be drawn into the MI Community to provide expert insight, project level knowledge, financial backing and/or collaboration to deliver the Sprints</li> </ul>	

## Agenda

9:30-9:35 – Welcome and Session overview – Eleanor Webster

9:35-9:55 – Round 1

*Participants select from (a) member and stakeholder engagement, (b) action plan implementation, or (c) communications activities*

9:55-10:15 – Round 2

*Participants select from (a) member and stakeholder engagement, (b) action plan implementation, or (c) communications activities*

10:15-10:25 – Debrief from roundtable discussions

10:25-10:35 – Presentation from the Zero-Emission Shipping Mission on Private Sector Engagement

10:35-10:55 – Plenary discussion on strengthening private sector engagement in Missions

10:55-11:00 – Wrap up / Session closing

## Guiding Questions

### Member Engagement

- How would you characterize the level of engagement of your Mission's members? Are the leads on sprints/activities spread across members or is the main load still carried by a few?
- What strategies have you used to keep members informed of Mission activities? How have you handled differences in time zones?
- What has worked well in your Mission to maintain or increase members' engagement? What kind of incentives could help to encourage new or sustained contributions from members?
- How can senior officials aid you in your efforts? What is your message to senior officials on Wednesday during the Missions Roundtables?
- How can the MI Secretariat aid you in your efforts?

### Implementing Joint Projects

- Currently, what types of joint activities do your members participate in (e.g. joint funding calls, joint demonstration projects, knowledge exchange, joint development of analysis, collaboration between government scientists, public-private partnerships)?
- In your experience, what factors have contributed to successful collaborations? What mechanisms or tools support your joint activities?
- What challenges are you experiencing in the development and implementation of joint activities?
- How might stakeholders help you to deliver collaborative activities?
- How can the MI Secretariat aid you in your efforts? Would it be helpful to have webinars and/or supporting guidelines on certain topics? (E.g. Best practices from existing joint funding calls, programme development, intellectual property, other?)

### Increasing Missions' visibility (Communications)

- **Content & Activities:** What are your top comms priorities in 2023? How do you want your Mission to be perceived? What activities by your Mission do you want to highlight especially (e.g., events,



announcements, progress), what achievements are you proud of? Have you identified high-level events and secured speaking slots for Mission members?

- **New & Existing Channels:** What does your communication plan for 2023 include? Do you plan to create or have already created your own channels or additional tools (LinkedIn accounts, Newsletter, Virtual Hub or Platform, etc.)? What is the expected outcome of this activity? What value will it add to the existing channels? In an ideal world, what would the Mission pages on the website include and look like?
- **Resources & Support:** Do you have a dedicated comms person in the Mission team? What role would you expect the MI Comms team to play for your Mission in 2023? Where are you seeking support or guidance and how would that ideally be delivered?

**Private Sector Engagement**

- How are you involving the private sector – and who – in Mission Sprints to accelerate their achievement?
- How could your Mission benefit from more private sector engagement (e.g. governance, pillars, workshops, sprints)?
- How do you plan to identify and approach those actors?
- What do private sector participants get from contributing to the Mission?

**Background**

See **Annex 3: Mission Overviews**

**Insights Meeting**

Time	Location
10h00-11h00	Leblon
Participation	
The Insights Team	
Summary	
Internal coordination meeting for Insights team.	

**Missions: Speed Networking Session**

Time	Location
11h30-12h30	Vidigal A and B

## Participation

Mission Directors, Mission reps, TAG members (Senior Representatives welcome if of interest)

## Chairs

Eleanor Webster and Rosalinde Van Der Vlies

## Summary

This speed networking session will enable Mission Directors and representatives from all seven Missions to connect and discuss opportunities for collaboration, common challenges, and knowledge sharing.

After a brief introduction, each Mission will have an opportunity to provide a scene-setter (i.e. 2 mins max). Then, Mission Directors will have approximately 5 minutes to speak bilaterally with other Mission representatives and the MI Steering Committee Vice Chair and MI Head of Secretariat. TAG members will be stationed with their associated Mission. The goal is for all Missions to connect by the end of the hour.

Missions can also carry on conversations with other Missions into lunch, or schedule follow-up conversations, if there is not enough time during the networking session.

## Objectives

- Opportunity for Missions to connect and network in person
- Identify potential for synergy and collaboration among Missions
- Share common challenges, knowledge or resource gaps, and possible solutions

## Agenda

5 mins – Welcome and Overview of session – Eleanor Webster and Rosalinde Van Der Vlies

15 mins – Setting the scene for each Mission (2 mins max per Mission)

- What does your Mission do well?
- In what areas do you want to learn from the experiences of other Missions?
- What are you hoping to get out of the networking session?

40 mins – Speed networking (~5 mins for each encounter)

## Guiding Questions

1. Mission Directors should have in mind what they are looking for from other Missions in this networking session. For example, questions to keep in mind could be:
  - What are your Mission's concrete deliverables for 2023 and where do you see synergy opportunities?
  - What are the key challenges your Mission is experiencing and how might you learn from other Missions' experiences?
2. Mission Directors should also have in mind any key risks, challenges, opportunities or proposed solutions to flag to Rosalinde and Eleanor



Background
See <b>Annex 3: Mission Overviews</b>

**Missions: Tracking Progress (KPI & TAG) Workshop**

Day and time	Location
14h30-15h30	Vidigal A and B
Participation	Mission Directors plus any additional Mission Representatives, TAG Members
Chairs	Andrew Pease and Rebecca Vignols
Summary	<p>As the Missions move from establishing their action plans and their core membership, emphasis is now on transitioning into the delivery stage. As part of implementation, Missions are expected to report annually on progress, based on Mission-specific key performance indicators (KPIs). Missions will also be evaluated on an annual basis by the Technical Advisory Group (TAG), which will provide recommendations to Missions and the MI Steering Committee to enhance Mission delivery.</p> <p>Through this workshop, the MI Secretariat will kick start conversations around establishing KPIs for each Mission and solicit feedback on the proposed TAG review process/criteria.</p>
Objectives	<ul style="list-style-type: none"> <li>• Update participants on the intent and goals behind KPIs and the timeline for implementation</li> <li>• Seek feedback on the proposed TAG Mission Review Plan from Missions</li> <li>• Seek to gather insight regarding KPIs from each mission</li> </ul>
Agenda	<p>20 minutes: TAG Review Plan Roundtable – gathering feedback on the process and assessment method proposed as well as the engagement between formal reviews.</p> <p>15 minutes: Presentation - KPI 101 – an overview of the goals, the language and the process to develop KPIs (Andrew Pease).</p> <p>20 minutes: KPI Synergies – an exploration of potentially complementary KPIs between missions and an opportunity to start framing how KPIs can be developed.</p>



**Guiding Questions**

**The role of TAG within Mission monitoring** – TAG has the technical insight and ability to deliver a wide range of insights to Missions, it is important to understand how best to utilise this resource.

- How might Missions engage with the TAG outside of the formal reviews?
- Introduction to the framework/criteria that the TAG will follow when evaluating Missions, and opportunity for feedback from Missions.

What are Missions’ perspectives on the proposed evaluation approach?

**The role of KPIs within Mission Innovation** – supporting the Missions in exploring how to establish KPIs that can help inform and identify key areas of success and needs.

- What are the different types of KPI and how should they be used?
- How to create efficient KPIs that tell a story for each Mission?

**Technical Advisory Group Meeting**

Time	Location
16h00-17h00	Leblon
Participation	
Closed Meeting (invite only)	
Chair	
Dean Haslip, TAG Chair	
Summary	
Technical Advisory Group private meeting – agenda to be communicated to the group.	

**Missions Meetings**

A limited number of rooms **may** be available, on request, for private meetings of the Missions. Contact [MI Secretariat](#) for more information.

## Tuesday, 21 March – Joint CEM/MI Day

This day is primarily dedicated to the Joint MI and CEM Sessions, both in plenary and in breakout (side events).

### MI CEM Joint Steering Committee

Time	Location
08h00-09h00	Leme
<b>Participation</b>	
Invite only –MI and CEM Steering Committee members (or their nominated senior representatives), MI and CEM Secretariats.	
<b>Chairs</b>	
Julie Cerqueira, Chair of MI Steering Committee / Abhay Bakre, Co-Chair of the CEM Steering Committee	
<b>Summary</b>	
This will be a joint meeting of the CEM and MI Steering Committees and will provide an opportunity to discuss areas of mutual interest for CEM and MI, including possibilities for closer collaboration and strategic alignment. Part of the discussion will also be dedicated to discussing the status and implementation of joint CEM-MI projects, such as the Breakthrough Agenda which was brought under the stewardship of the joint CEM and MI Steering Committee at the Global Clean Energy Action Forum in September 2022.	
<b>Agenda</b>	
The agenda and background materials for this session will be circulated to CEM and MI Steering Committee members separately.	

### MI CEM Joint Plenary: Impact and Synergies

Time	Location
09h15-10h15	Gavéa Plenary Hall
<b>Participation</b>	
MI/CEM Heads of Delegation & Collaborating Organisations. Accompanying delegates may observe.	
<b>Chairs</b>	

Julie Cerqueira, Chair of MI Steering Committee

### Summary

The purpose of this session is to bring together CEM and MI delegates to discuss areas of mutual interest for CEM and MI and to consider how the two communities can work together to leverage synergies and increase their impact. This session will highlight examples of how CEM and MI are already working together, examples of coordination between CEM workstreams and MI missions, and include an update on the Breakthrough Agenda which was recently brought under the stewardship of the joint CEM and MI Steering Committee. In addition, this session will provide an opportunity for COP28 representatives to present a vision for the meeting later this year, in terms of opportunities and expectations of CEM and MI.

### Objectives

- To be informed of ongoing areas of collaboration between CEM and MI and to identify and accelerate promising avenues of joint interest.
- To receive an update on progress towards the Breakthrough Agenda and to provide input on feedback on next steps (including governance).
- Members will be invited to hear an update from the COP28 Presidency.

### Agenda

- Welcome by Brazil as Hosts
- Chair opening remarks
- Scene Setting by Heads of Secretariat
- Presentation from Breakthrough Agenda team on plans for 2023
- Delegate Discussion
- Chair Conclusions and Next Steps

### Guiding Questions

In preparation for the session, delegates are invited to reflect on the following questions:

1. Do you have any additional examples of successful collaboration between CEM and MI?
2. Are there areas in which you would like to see CEM and MI work together more closely?
3. Do you have any feedback on the plans for the Breakthrough Agenda in 2023 and the potential role for CEM and MI?

**MI CEM Joint Plenary: On the Road to Goa MI-8/CEM14**

<b>Time</b>	<b>Location</b>
10h30-11h45	Gavéa Plenary Hall
<b>Participation</b>	
MI/CEM Heads of Delegation & Collaborating Organisations. Accompanying delegates may observe.	
<b>Chairs</b>	
Brazil	
<b>Summary</b>	
<p>This plenary will allow India’s Department of Science &amp; Technology and Ministry of Power to present their plans for the Ministerial in Goa in July 2023.</p> <p>India will recall the proposed overall narrative for the Ministerial advancing the continuum of R&amp;D towards pilot demonstration on clean energy technologies and the Year of Implementation.</p> <p>Members will learn about plans for the plenary/plenaries, roundtables, side events and media opportunities and will have the opportunity to ask questions/seek clarification.</p> <p>This session will also cover logistic aspects for both CEM and MI, including information on the venue, registration, accreditation, invitations, visas, etc.</p>	
<b>Objectives</b>	
<ul style="list-style-type: none"> <li>• To understand India’s priorities for MI-8 and CEM14, with links to the parallel G20 programme as appropriate</li> <li>• To provide feedback on the proposed plans – aligned with each initiative’s ambitions for outcomes and impact</li> <li>• To understand the opportunities for all Ministers (many of whom are the same for MI and CEM) to participate and make announcements.</li> </ul>	
<b>Agenda</b>	
<p>Welcome from Chair</p> <p>Presented Jointly by Ministry of Power/Department of Science &amp; Technology:</p> <ul style="list-style-type: none"> <li>• Overall narrative for CEM14/MI-8</li> <li>• High level ambitions and objectives for CEM14/MI-8</li> <li>• Event structure - plenary/plenaries, breakthrough agenda, roundtables, side events, press conference</li> <li>• Q&amp;As</li> </ul>	

- Logistics – venue, registration, accreditation, invitations, visas – this should be a single presentation covering the arrangements for both MI and CEM
- Next steps - when can members expect to receive the invitation etc
- Q&As

Meeting Chair – next steps/conclusions

**Brazil Host Event: Spotlight on Brazil’s Energy Transition**

Time	Location
17h00-18h00	Gavéa Plenary Hall
Participation	
All delegates are invited to attend this event.	
Summary	
During this session, the meeting host Brazil will shine a light on progress towards its clean energy transition. In view of the important role this country will play in 2024 as host of the CEM and MI Ministerial meetings, as well as the G20, members will be able to experience a first-hand account and discussion about the advances and plans that Brazil is making in both innovation and deployment of clean energy technologies.	

**Brazil Hosted Reception**

Time	Location
18h00-onwards	Room - communicated on site
Participation	
All delegates are invited to attend this event.	
Summary	
There will be a cocktail and reception hosted by Brazil at the hotel.	



## Wednesday, 22 March – MI Day

### MI Steering Committee

Time	Location
08h00-09h00	Leme
Participation	
	MI Steering Committee members only (or their nominated senior representatives).
Chair	
	Julie Cerqueira, Chair of MI Steering Committee
Summary	
	Members of the MI Steering Committee will use the opportunity of the Annual Gathering to meet in person. In addition to reflecting on the desired outcomes from this meeting, the group is expected to reflect on key priorities over the next year, including delivering a successful Ministerial meeting in Goa, equipping for success (Missions and MI Secretariat) and next steps with regarding to strengthening the global clean energy landscape through MI and related initiatives.
Agenda	
	The agenda and any background materials for this session will be circulated to the MI Steering Committee members separately.

### MI Opening Plenary: Delivering Impact and Ambition in 2023

Time	Location
09h00-10h15	Gavéa Plenary Hall
Participation	
	Heads of Delegation. Accompanying delegates may observe.
Chair	
	Julie Cerqueira, Chair of MI Steering Committee
Summary	

The first session of the MI Gathering will outline objectives for the entire meeting. The MISC Chair and Head of Secretariat will set the scene and expectations which will be followed by roundtable introductions.

**Objectives**

During roundtable introductions Heads of Delegation are asked to share one expectation for the Gathering and one outcome they would like MI to achieve over the next year linked to the following priorities:

- **Implementing the Missions:** how can we ensure the Missions have concrete deliverables for 2023?
- **Equipping for success:** do the Missions have sufficient resource in place to achieve their objectives?
- **Monitoring progress:** how will we know if the Missions are on track to achieve their objectives and how can MI provide useful data to members on clean energy innovation metrics?
- **Extending MI’s reach:** how can we extend the reach and impact of MI without compromising the role of MI of bringing together active and engaged pioneers in clean energy innovation?
- **Continuing engagement with CEM and the Breakthrough Agenda:** how should MI work with CEM and the Breakthrough Agenda to maximise MI’s impact?

**Agenda**

09h00-09h10: Scene Setting – Julie Cerqueira

09h10-09h25: Reflections on 2022 and forward look to 2023 and beyond – Eleanor Webster

09h25-09h55: Roundtable Introductions and Vision – HoDs

09h55-10h00: Summary of visions - Julie Cerqueira

10h00-10h08: Perspectives on vision and ambition for MI-8 – Anita Gupta

10h08-10h15: Critical questions for HoDs for today – Julie Cerqueira

**Missions Roundtables: Delivering in 2023 and Beyond**

Time	Location
10h30-12h30	Copacobana
Participation	
Heads of Delegation, Mission Directors, other Mission representatives, and TAG members. (Accompanying delegates may observe).	
Chair	
Session chair: Rosalinde van der Vlies (Chairs per roundtable to be confirmed)	
Summary	

This session is an opportunity to ensure that Missions have concrete deliverables for 2023 and that member countries are making realistic and targeted commitments to advance Mission deliverables.

There will be a roundtable for each MI Mission. During each roundtable, Mission Directors will provide scene-setting remarks to briefly summarize proposed deliverables for 2023 and highlight current gaps and challenges. The ensuing discussion will allow participants to further examine Mission deliverables, identify possible solutions to current challenges, and explore opportunities for deeper private sector involvement.

The chairs for each roundtable will be asked to provide a summary during the closing plenary later in the day.

To maximize time for discussion, delegates are asked to familiarize themselves with the deliverables for relevant Missions in advance (per **Annex 3: Mission Overviews**).

**Objectives**

- Raise awareness around Mission deliverables for 2023 – and the opportunities and challenges for achieving those deliverables
- Take stock of member commitments to advance Mission objectives
- Identify solutions to address challenges (including resource constraints)
- Identify concrete ways that Mission activities could be augmented by private sector funding or support

**Agenda**

10:30-10:35	Opening Remarks	Rosalinde van der Vlies
	Green Powered Future Mission	Chair: TBC Mission Director: Luciano Martini
10:35-11:10	Zero Emission Shipping Mission	Chair: TBC Mission Director: Andreas Vestergaard
11:10-11:15	<i>Transition</i>	
	Net Zero Industry Mission	Chair: TBC Mission Director: Elvira Lutter
11:15-11:50	Carbon Dioxide Removal Mission	Chair: TBC Mission Director: Mark Ackiewicz
	Urban Transitions Mission	Chair: TBC Mission Director: Giorgia Rambelli
11:50-11:55	<i>Transition</i>	
	Clean Hydrogen Mission	Chair: TBC Mission Director: Matthijs Soede
11:55-12:30	Integrated Biorefineries Mission	Chair: TBC Mission Director: Kees Kwant

**Guiding Questions**

The chairs for each roundtable will be asked to report back during the closing plenary based on the following discussion questions:

1. **2023 deliverables:** Per the Mission’s overview (see **Annex 3**), does the Mission have concrete deliverables for 2023? Are these the right priorities to advance the Mission’s broader objectives?
2. **Member and private sector contributions:** Does the Mission have sufficient resources from members to deliver on its plans for 2023? Which of the 2023 deliverables could be enhanced by private sector support?
3. **Preparations for MI-8 and COP28:** Which of the deliverables for 2023 may be suitable for a Minister-level announcement at MI-8 and/or COP28?

**Background**

See **Annex 3: Mission Overviews**, including a summary of proposed 2023 deliverables per Mission.

**Consultation Huddles**

Day and time	Location
13h30-15h00	Copacabana
Participation	
Heads of Delegation, Mission Directors, TAG. Accompanying delegates may observe.	
Summary	
The MI Secretariat will facilitate roundtable discussions on key issues, listed below.	
Objectives	
Obtain views and ideas from members on key topics for 2023.	
Agenda	
<p>2 x 45 mins sessions, roundtable carousel format where attendees will have the opportunity to choose two of the discussion groups.</p> <p>A short introduction from session lead followed by MI Sec facilitated discussion around guiding questions shared in advance.</p> <p>The proposed discussion groups are:</p> <ol style="list-style-type: none"> <li>1. <b>The role of the private sector in Mission Innovation – Tom Rollason</b></li> </ol>	

The MI Secretariat will facilitate a workshop on exploring MI's core objectives for engaging with the private sector across the MI work programme.

The workshop will focus on identifying concrete next steps for turning ideas into action. Senior Representatives are asked to consider how they can leverage their networks and connections to achieve the desired types of engagement with a medium-term outlook.

Guiding questions:

- Where within MI is private sector involvement essential for MI to achieve its goal of making clean energy affordable, attractive and accessible for all?
- How can you contribute or what networks can you draw on to facilitate closer collaboration with private sector actors in pursuit of MI's overarching goals?

### 2. **Extending MI's reach – Sharon Kearney/Helen Fairclough**

MI aims to make clean energy affordable, attractive, and accessible for all. Achieving this will require MI to have an impact beyond its membership to bring the innovations and insights to all countries. At MI-6, many Ministers expressed a wish for MI to be inclusive, in particular recognising the value in bringing Mission Innovation to developing countries. While the entry criteria for MI 1.0 was relatively clear (doubling of clean energy R&I spending over five years), MI 2.0 requires a more subjective assessment. It was agreed that increasing the number of members of MI should not be an aim in and of itself, but should be targeted, strategic and value-focused. A defined path to membership was agreed.

In this session, we will consult members on how to extend the reach and impact of MI within the agreed parameters and without compromising the role of MI of bringing together active and engaged pioneers in clean energy innovation.

The outcome will be a series of options for consideration by the membership, taking account impact and resourcing.

Guiding questions:

- What do you consider the optimal approach for MI to extend reach taking account of the objectives of MI and the resources currently available?
- Is your country willing to play a role in extending the reach of MI?

### 3. **MI at COP28 – Eleanor Webster and Carmen Heilmaier**

COP27 proved to be an effective opportunity to engage with MI Member countries and partner organisations. It was great to see some of the Missions presenting in the blue zone to packed audiences, whilst the partnerships we secured presented MI with several high-impact speaking opportunities. Amongst other things, we see COP as a valuable opportunity to kick off new partnerships and enhance MI's reach. Based on the success of COP27, MI is exploring a more strategic approach for COP28.

Our suggested objectives for COP28 are:

- Enhanced visibility

- Making a robust contribution to the Global Stocktake
- Bringing solutions to COP highlighting the role of Mission Innovation in equipping the world to help meet climate goals.

Guiding questions:

- What do you see for MI at COP – where could MI fit into the programme?
- Are you aware of specific opportunities MI could be linked to (such as pavilion space or another platform)?

**4. Strong branding and individuality – Carmen Heilmaier**

A strong brand is crucial to the impact and visibility of MI and its initiatives. For a secure standing in the landscape of clean energy initiatives, the MI brand must be consistent, known, and recognizable. The MI initiatives such as the Missions are diverse in their subjects, target audience and governance.

Guiding question:

- How can we make sure we recognise the diversity and individuality of MI initiatives while retaining a cohesive brand?

**Insights Workshop**

Time	Location
13h30-15h00	Vidigal A & B
Participation	
Working level attendees, Mission Directors, TAG members.	
Chairs	
Evangelos Tzimas, Head of Unit, Energy Transition Insights for Policy, Joint Research Centre, European Commission	
Ingrida Murauskaite-Bull, Mission Innovation Insights module manager/ Project Officer, Energy Transition Insights for Policy, Joint Research Centre, European Commission	
Summary	
The session is dedicated primarily to discussing the content and structure of the <b>Energy Innovation Metrics Hub</b> . The Hub will collate global sources of input, output, outcomes and impact data relevant to each MI Mission. The project is a collaboration between the Insights module in cooperation with the International Renewable Energy Agency (IRENA), International Energy Agency (IEA) and the Joint Research Centre (JRC) of the European Commission.	

The workshop is also designed to seek feedback from participants on other activities planned by MI's Insights Module to implement the commitments of the Track and Review Framework. This will include a discussion on the **MI Member Survey and National Innovation Pathway processes**, to reflect on the reporting process in 2022 and ensure that these continue to provide value for the MI Community.

The workshop will be structured as a combination of presentations and a panel discussion, and there will be a dedicated time for open discussion among participants.

### Objectives

- To introduce the Insights Module's planned activities and proposed role in supporting the MI Community in 2023;
- To discuss the planned activities for the **Energy Innovation Metrics Hub** and collect feedback; and
- To discuss the usability and potential improvement of the MI [Member Insights Report](#) and the [National Innovation Pathway Round-ups](#).

### Agenda

13h30 – 13h35: Welcome & Opening remarks

13h35 – 13h45: Insights module 101 - Overview of Insights Module's role in helping members to deliver on MI 2.0 commitments

13h45 – 14h15: Part 1 Energy Innovation Metrics Hub – *Introduction, Moderated panel discussion, Open discussion*

14h15 – 14h40: Part 2 Annual MI Reporting Processes - *Introduction, Moderated panel discussion, Open discussion*

14h40 – 14h45: Conclusions and closing remarks

### Guiding Questions

Value and purpose of the **Energy Innovation Metrics Hub** – it should benefit countries, researchers and citizens by providing a single location for the most relevant information in one place for each Mission drawing on IEA, IRENA, EU JRC and others.

- What will be the most important/useful indicators for MI to collate as a part of the Energy Innovation Metrics Hub?
- Would your organization (e.g. national government, Mission, other stakeholder) find value in such Hub? In what context(s) would you use this information?

Value of the MI reporting process - whilst the **NIP Round ups** summarise long-term innovation strategies and priorities, the **MI Member Insights report** provides an annual snapshot of recent government energy innovation activities and achievements.

- What were the main challenges you encountered in submitting responses to the MI Survey and NIPs processes in 2022?
- How can MI make changes to these processes to increase their visibility and maximize value?

**Background**

In the Mission Innovation 2.0 Joint Member Statement, Members have agreed to i) **sustain or increase investment** in clean energy research, development and demonstrations, ii) describe how **National Innovation Pathways (NIPs)** will enhance ambition to pioneer clean energy technologies and/or sectors to meet their climate and energy goals, and iii) **accelerate innovation through strengthened international cooperation** in areas of mutual interest.

In order to demonstrate progress towards the delivery of these commitments, MI recognizes the need for transparent track and review mechanisms and during the MI-7 Ministerial in Pittsburgh in September 2022 published the [Track and Review Framework](#).

**Hackathon**

Time	Location
15h15-16h15	Copacabana
Participation	
Heads of Delegation. Accompanying delegates may observe.	
Summary	
This session will provide an opportunity for Heads of Delegation to discuss shared challenges related to the development and delivery of national innovation programmes. This session is open for members to propose topics for discussion.	
Agenda	
2 x 30 mins sessions, roundtable carousel format where attendees will have the opportunity to choose two of the discussion groups. The current proposals for discussion groups are:	
<ol style="list-style-type: none"> <li><b>The creation of a Hydrogen Economy requires a suitable top-down regulatory framework.</b> How can we ensure bottom-up local capacity building and what role can the concept of Hydrogen Valleys play? Discussion to be led by the CHM Mission Director.</li> <li><b>How should MI increase interest from banks in financing the clean energy transition?</b> This will build on recent engagement with the Multilateral Development Bank network and the European Investment Bank. The outcome of the discussion will be a list of priority activities for discussion with relevant banks. Discussion to be led by the European Commission.</li> <li><b>How can we learn from other nations with successful programs on the ingredients for success, i.e. driving innovation?</b> Particularly around incentivising research and research partnerships, such as industry and academia, and what has not been successful. Discussion to be led by the Commonwealth Scientific and Industrial Research Organisation (Australia).</li> </ol>	



4. **How can MI best engage in the G20 event and workshop programme for 2024?** An ambition of the MI programme is to understand our role in the international multilateral landscape. Brazil will be hosting MI-9 as part of their G20 Presidency and there are several forums in which MI could contribute, including the Energy Track Working Groups (ETWGs) or the RD20 (Research and Development 20). This workshop seeks to explore the role MI could take as we look ahead to 2024. Discussion to be led by by the Head of the MI Secretariat.

**MI Closing Plenary**

Time	Location
16h30-18h00	Gavéa Plenary Hall
Participation	
Heads of Delegation. Accompanying delegates may observe.	
Chair	
Julie Cerqueira, Chair of MI Steering Committee	
Summary	
During this final plenary of the 2023 MI Annual Gathering, Members will be invited to reflect on progress over the last days, and plans going forward. This session will also include governance matters.	
Objectives	
<ul style="list-style-type: none"> <li>• To agree on outcomes from the Annual Gathering</li> <li>• Role of MISC in delivering MI’s strategic vision</li> <li>• Seek interest on possible hosts of MI-10 in 2025</li> <li>• Members will be invited to share brief reflections on these items during the roundtable.</li> </ul>	
Agenda	
16h30-16h40: <b>Implementing the Missions and equipping for success</b> – Rosalinde van der Vlies and Stephanie Klak to report on deliverables and resource commitments for 2023 and beyond, including the role of the private sector.	
16h40- 16h50: <b>Monitoring progress</b> – Dean Haslip to summarise the outcomes of the discussion on the review of Missions and their KPIs. Ingrida Murauskaite-Bull to report on the outcomes and next steps for the Insights module.	

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16h50-17h00: **Extending MI's reach** – Kushla Munro to coordinate inputs from the MI Secretariat team on the plans to extend MI's reach, including engagement with non-members, strengthening MI's brand and working with CEM and the Breakthrough Agenda including plans for COP28.

17h00-17h10: **Next steps on the Road to Goa including potential announcements** – Anita Gupta

17h10-17h50: **Roundtable perspectives and views** - HoDs

17h50-17h55: **Governance – MISC and Ministerial hosting in 2025** - Julie Cerqueira

17h55-18h00: **Closing Remarks** - Julie Cerqueira

## Side Events/Meetings

### Biofuture Initiative: Collaboration between CEM Initiatives and MI Missions on Bioresources

<b>Date and Time:</b>	Tuesday, March 21, 08h00-09h00
<b>Location:</b>	Copacabana
<b>Chairs:</b>	Kees Kwant and Jim Spaeth
<b>Participation:</b>	Open to all

**Summary:**

There is a growing interest in the use of sustainable bioresources for fuels and chemicals. A coherent and synergistic approach is needed to make the best use of our resources. For instance, MI Integrated Biorefineries looks at the conversion of bioresources into chemicals and fuels, but also at improving the enabling environment for these applications. Similarly, CEM Biofuture Initiative and Campaign supports the development of an improved enabling environment through various workstreams and one campaign. MI’s Zero-Emission Shipping Mission and Net-Zero Industries Mission need biofuels to realize their ambitions. MI’s CDR Mission is looking at bio-based carbon capture and storage in one of its approaches and could include biorefineries. Each of these initiatives will share their scope and work plans in advance of the meeting. This will provide an overview and a proposal for collaboration will be prepared and discussed to allow clear decisions on the next steps in collaboration.

**Objectives:**

This side event will produce actions that are more carefully differentiated between these initiatives and as well plans for joint work. The outcome will need to be well prepared and should result in a clear description of what each mission or body will do, and the lines of demarcation should be clearly defined so that all actions contribute to the common goal.

### CHM Workshop: Hydrogen Exchange Program and Enabling Environment Working Groups

<b>Date and Time:</b>	Tuesday, March 21, 10h30-12h30
<b>Location:</b>	Vidigal A and B
<b>Chair(s):</b>	Lorena Steinle, Loreta Lancellotti and Karla Chace
<b>Participation:</b>	Participants of the Annual Gathering that might be interested (in person). Directors/Department Heads with thematic focus on hydrogen, renewable energy, etc. in the different national administrations of non-MI Latin American countries (online).

### Summary:

The Clean Hydrogen Mission (CHM) will accelerate the building of a global clean hydrogen economy by reducing end-to-end costs of clean hydrogen to USD 2/kg by 2030. This represents a tipping point in making clean hydrogen cost-competitive with other energy carriers in different industries across production, transportation, storage and end-use. To achieve these goals, the CHM has published an [Action Plan](#) at the [Global Clean Energy Action Forum \(GCEAF\)](#) in Pittsburgh in September 2022. The Action Plan comprises different activities, such as the **Hydrogen Exchange** and the building of an **Enabling Environment**.

**The Hydrogen Exchange** seeks to transfer and share knowledge with and between **non-MI countries** to enable policymakers to have rapid insights to start and accelerate the development of their hydrogen economy. Therefore, the Mission will set up a series of workshops in 2023 that will cover the following topics:

- Presentation of Hydrogen Valley projects as best practice examples
- Regulation & Institutional Framework
- Technological developments
- Certification of green/clean hydrogen
- Funding & Investment
- Hydrogen Project development

**Enabling Environment** will set up a working group for different knowledge areas to diversify the scope and expected outcomes with relevant stakeholders and countries. The first three knowledge areas that will be covered through the knowledge platform are:

- Regulation
- Codes and Standards
- Finance and Investment / Funding schemes

This **Joint Workshop** is organized by our members from Chile and Germany in collaboration with the H2UPPP Programme on behalf of the German Federal Ministry for Economic Affairs and Climate Action in the [GIZ Brazil](#) and [OLADE](#) and will be conducted during the Mission Innovation Annual Gathering and Clean Energy Ministerial Senior Officials' Meeting, hosted by the Government of Brazil.

Our first regional focus will be the region of Latin America. Therefore, we are aiming to launch the start of our series of workshops for non-MI countries at the Annual Gathering in Rio de Janeiro. In this first session we will present our plan for 2023 as well as best-practice examples from the region.

### Objectives:

- Commitment to participate actively in sprint 2, Hydrogen Exchange Program, by subscribing to the workshop series.
- Commitment to participate actively in pillar 3, Enabling Environment.
- More involvement of Latam countries in the international hydrogen activities.
- Congregate the region to work together and if possible, with regulatory congruence for the development of the industry worldwide.

**Agenda:**

Time (Brazil)	Title	Content	Speaker(s)
10:30 – 10:40	Opening	Welcome words	Guillermo Koutoudjian (Energy Integration, Access and Security Acting Director OLADE) Matthijs Soede, Mission Director CHM (in person)
10:40 – 11:00	Presentation of the Clean Hydrogen Mission	Overview of CHM, Presentation of the plan for 2023	Matthijs Soede, Mission Director Karla Chace, Programm Manager (in person) and Lorena Steinle, Programm Manager (in person)
11:00 – 11:20	Presentation of other initiatives	Overview about GIZ’s workstreams in the region	Dr. Markus Francke and Isabela Santos (GIZ, H2Uppp) (in person)
11:20 – 11:55	Presentation of a Chilean project	Detailed presentation of a Chilean project	Representative of the Chilean project <i>tbd</i>
11:55 – 12:25	Presentation of a Brazilian project	Detailed presentation of a Brazilian project	Eduardo Bekin (CEO Invest Paraná)
12:25 – 12:30	Closing words		

**Breakthrough Agenda 1: The Future of Climate Collaboration**

<b>Date and Time:</b>	Tuesday, March 21, 11h45-12h45
<b>Location:</b>	Gavea Plenary Hall
<b>Chair:</b>	Peter Dale
<b>Participation:</b>	Open to all

The Breakthrough Agenda is the first joint project between CEM and MI. Launched by world leaders at COP26, it has aims to ensure clean technologies are the most affordable and accessible option by 2030. In practice, this work focuses on facilitating effective international collaboration by ensuring join-up between clean energy initiatives, reinforcing the central position of CEM and MI in the climate ecosystem, reviewing progress towards the breakthrough goal each year and channeling political support behind a set of priority actions in response to the report recommendations. There will be **four Breakthrough Agenda side events**, with the first being this broader horizontal session. The three thematic events on Hydrogen, Steel and Power each aim to reach a shared understanding of progress against Priority Actions and the direction of travel.

**Summary:**

This is the first annual gathering since the Breakthrough Agenda became a joint project between CEM and MI. Members from across CEM and MI have shown interest in how the joint project will work and the opportunities from the Breakthrough Agenda. This event will be designed to update members on the Breakthrough Agenda and the plans for 2023. A central theme will be COP28 – the UAE as incoming COP28 Presidents recently launched a partnership with the Breakthrough Agenda. This partnership means the actions spotlighted by the Breakthrough Agenda – including many of the Mission Innovation missions and CEM workstreams – will be the foundation of UAE’s COP28 Presidency.

**Objectives:**

- Raised awareness and understanding of the Breakthrough Agenda process, how the Breakthrough Agenda complements the work of both CEM and MI and the contribution that CEM and MI is making to deliver the Breakthrough Agenda goals.
- Update of the plan for 2023 and expectations for COP28 with key stakeholders.
- Galvanized support for new Breakthroughs to secure the legacy of the Breakthrough Agenda.

**EPI – A fair green transition throughout lifestyle changes: what enabling conditions?**

<b>Date and Time:</b>	Tuesday, March 21, 11h45-12h45
<b>Location:</b>	Leme
<b>Chairs:</b>	Frank Siebern-Thomas and Pablo Jacome Alvarez
<b>Participation:</b>	Open to all

**Summary:**

The side event will bring together relevant governments and CEM and MI initiatives to share and exchange on their experiences. It will focus on how a fair energy transition requires and will require a significant cultural and behavioural adaptation of workers and citizens, with an unprecedented change in the way we produce, consume and live. Policies and technologies alone will not be sufficient to deliver the deep decarbonisation of the energy sector, as the change will permeate in all sectors of society: from workers in energy intensive industries as well as other sectors, to households’ consumption patterns, a fair energy transition needs the joint support of multiple layers of society. Those changes are essential to reduce our energy demand and to foster the energy transition. This will also led to a wider societal resilience.

**Objectives:**

The discussion will explore existing (and often unrecognised) synergies between CEM and MI initiatives on just energy transitions and cultural enablers. It will contribute to broadening and coordinating the work of several initiatives and support efforts in this area. After the discussions, in order to facilitate further bilateral

exchanges between the initiative co-leaders, a note will summarise the contributions and exchange contact points. The side event could feed into national and international policymaking on these aspects, also in view of future initiatives.

**Biofuture Campaign: Future Fuels**

<b>Date and Time:</b>	Tuesday, March 21, 11h45-12h45
<b>Location:</b>	Ipanema
<b>Chairs:</b>	Jim Spaeth and Gerard Ostheimer
<b>Participation:</b>	Open to all

**Summary:**

This event will consider how the Clean Energy Ministerial can enable cross-cutting work across multiple CEM initiatives and related Mission Innovation initiatives. Specifically, this event will investigate how the Biofuture Platform Initiative, CCUS Initiative, Hydrogen Initiative, the MI Zero-Emission Shipping Mission, MI Integrated Biorefineries Mission, and MI Innovation Community for Sustainable Aviation Fuels can enable increased production and use of renewable fuels across its many potential uses. Future production of renewable natural gas, renewable liquid fuels, hydrogen, and ammonia will require inter-connected production and delivery logistics. This event will explore roles that the CEM and MI can play to enable government interventions to reduce barriers to the sustainable production and use of renewable, low-carbon fuels.

**Objectives:**

This event will set the stage for the CEM Biofuture Platform Initiative, CCUS Initiative, Hydrogen Initiative, the MI Zero-Emission Shipping Mission, MI Integrated Biorefineries Mission, MI Innovation Community for Sustainable Aviation Fuel, and other complementary initiatives to establish lines of communication and collaboration; ideally to be announced at CEM14/MI-8.

**Breakthrough Agenda 2: Hydrogen Breakthrough Roundtable**

<b>Date and Time:</b>	Tuesday, March 21, 14h30-15h30
<b>Location:</b>	Copacabana
<b>Chair:</b>	USA – <i>TBC</i> Julie Cerqueira, Principal Deputy Assistant Secretary, International Affairs, U.S. Department of Energy
<b>Participation:</b>	Open to:

- Heads of Delegation or senior representatives of the Hydrogen Breakthrough endorsing countries
- Representative of other CEM & MI member countries
- CEM/MI hydrogen leads
- Initiatives delivering the Hydrogen Priority Actions (in particular: MI-CHM, CEM-H2I, IPHE, WEF, UNIDO and the World Bank)
- Current and incoming COP Presidency representatives (UAE & Egypt)
- Representatives of the report authors (IRENA, IEA, HLC)
- Climate Champion's Sector Leads
- CEM/MI technical experts, including the MI Technical Advisory Group
- Breakthrough Agenda project team
- CEM/MI Secretariats

### Summary:

At COP27, countries agreed to prioritize collaboration on a set number of Hydrogen sector including A round table discussion of what needs to be done to ensure successful delivery of the Breakthrough Agenda Priority Actions at COP28, including what decisions need to be made to achieve this. This is a holistic view of enhancing international cooperation, so this roundtable will cover the full range of activity in the hydrogen sector including activities led by CEM and MI and by other international initiatives. This session is highly recommended to MI senior representatives involved in the Clean Hydrogen Mission.

### Objectives:

- Build a holistic understanding of plans, progress and the roles of key initiatives to address critical elements of the hydrogen transition through international collaboration – coordinated through the Hydrogen Breakthrough Priority Actions.
- Identify the key delivery milestones in the coming year and identifying what more can be done to make clean technology the most affordable and reliable option for all by 2030.
- Provide a progress update on the 2023 Breakthrough Agenda Report which is currently under development and will inform 2024 priority actions under the Breakthrough Agenda
- Highlight the critical roles of CEM, MI and the Breakthrough Agenda in the climate ecosystem.

### Agenda:

- (2 mins) Welcome and overview of the session – Chair
- (3 mins) Ambition for international collaborative action on Hydrogen by COP28 – UAE COP28 Presidency Team *TBC*
- (47 mins) Breakthrough Priority Action Dialogue. Led by Chair, supported by the BTA Project Team H2 lead (Paul Durrant) with input from round table participants.
  - Overview of all five Hydrogen Breakthrough Priority Actions for 2022 (Paul Durrant).
  - Focus on 3 Priority Actions – 15 mins per action: Standards & Certification, Strengthening Demand Signals, Finance – including strengthening international assistance offer.



- Coordinating Initiative leads for each action will briefly summarise plans for the year, what can be achieved by COP28 and where more action/ support is needed.
- Chair will invite round table participants to consider the guiding questions below.
- (5 mins) The Breakthrough Agenda Report 2023 – setting out the expected areas of focus for the Hydrogen chapter and emerging thinking on priorities for 2024 – Report Authors representative.
- (3 mins) Closing remarks including next steps and future engagement opportunities – Chair.

**Guiding Questions:**

In the context of the Hydrogen Priority Actions:

1. Do you agree with & support the ambition for COP28 – would you like to see the ambition changed or raised?
2. How can your country, or an international initiative you lead or support, further contribute to driving progress this year? For example, what additional funding, resources or commitments are needed to achieve the Priority Actions
3. How can Ministers engage with and drive progress – what aspects should they be briefed on and discuss? What will excite and engage them?

**Background:**

Launched by world leaders at COP26, the Breakthrough Agenda aims to strengthen international collaboration in key sectors working to ensure clean technologies are the most affordable and accessible option by 2030. This work focuses on facilitating effective international collaboration by identifying the most urgent and high impact opportunities for strengthened collaboration, strengthening connections between clean energy initiatives, reviewing progress towards the Breakthrough goal each year and channeling support behind a set of priority actions in response to the report recommendations. At COP27, countries agreed to prioritize collaboration on a set number of Priority Actions including crowding in support behind the initiatives that are delivering these actions.

**Annex 5:** [Breakthrough Agenda Priority Actions](#)

**Annex 6:** [Hydrogen Breakthrough Progress Dashboard](#) (to follow)

**Breakthrough Agenda 3: Steel Breakthrough Roundtable - Delivering the 2023 Priority Actions**

<b>Date and Time:</b>	Tuesday, March 21, 14h30-15h30
<b>Location:</b>	Ipanema
<b>Chairs:</b>	UK – Ed Webber, Deputy Director Financing and Sectoral Transitions, Department for Energy Security and Net Zero. Germany - <i>TBC</i>
<b>Participation:</b>	<ul style="list-style-type: none"><li>• Steel Breakthrough co-leads (UK, Germany)</li><li>• CEM/MI sector leads</li></ul>

- Initiatives delivering the Steel Priority Actions
- Current and incoming COP Presidency representative
- Report authors (IRENA, IEA, HLC)
- Climate Champions Sector Leads
- Endorsing countries
- CEM/MI technical experts, including the MI Technical Advisory Group
- Breakthrough Agenda project team.
- CEM/MI Secretariats

### Summary:

A round table discussion of what needs to be done to ensure successful delivery of the Breakthrough Agenda Priority Actions at COP28, including what decisions need to be made to achieve this. This is a holistic view of enhancing international cooperation, so this roundtable will cover the full range of activity in the steel sector including activities led by CEM and MI and by other international initiatives. This session is highly recommended to MI senior representatives involved in the Net Zero Industries Mission.

### Objectives:

- Build an understanding of the holistic picture of progress across each sector on critical elements of the transition by discussing and developing a shared understanding of progress against Priority Actions for the Breakthrough sector, progress towards the relevant Breakthrough goal and status of cooperation in the sector.
- Identify the key delivery milestones in the coming year and identifying what more can be done to make clean technology the most affordable and reliable option for all by 2030.
- Highlight the central position of CEM and MI and Breakthrough Agenda in the climate ecosystem. The Breakthrough Agenda is the first joint project between CEM and MI.
- Shape the 2023 Breakthrough Agenda Report, through both direct discussion about the report itself, and through gathering intelligence from the content of the discussions. This would help to inform 2024 priority actions under the Breakthrough Agenda.

### Agenda:

- Introductions (2 mins); Chairs.
- Ambition for international collaborative action on steel by COP28 (3 mins); TBC: UAE COP28 Presidency Team.
- The Breakthrough Agenda Report 2023 - set out the expected areas of focus for the steel chapter this year (3 mins); TBC – steel chapter lead, IEA/IRENA/High Level Champions Team.
- Breakthrough Priority Action Dialogue. (45 minutes); led by chairs, with input from round table participants.
  - Chairs will invite round table participants to consider, in the context of the Breakthrough Agenda Priority Actions, the guiding questions below.

- Closing remarks (5 minutes).

**Guiding Questions:**

In the context of the Steel Priority Actions:

- Do you agree with & support the ambition for COP28 – would you like to see the ambition changed or raised?
- How can your country, or an international initiative you lead or support, further contribute to driving progress this year? For example, what additional funding, resources or commitments are needed to achieve the Priority Actions
- How can Ministers engage with and drive progress – what aspects should they be briefed on and discuss? What will excite and engage them?

**Background:**

Launched by world leaders at COP26, the Breakthrough Agenda aims to strengthen international collaboration in key sectors working to ensure clean technologies are the most affordable and accessible option by 2030. This work focuses on facilitating effective international collaboration by identifying the most urgent and high impact opportunities for strengthened collaboration, strengthening connections between clean energy initiatives, reviewing progress towards the Breakthrough goal each year and channeling support behind a set of priority actions in response to the report recommendations. At COP27, countries agreed to prioritize collaboration on a set number of Priority Actions including crowding in support behind the initiatives that are delivering these actions.

**Annex 5:** [Breakthrough Agenda Priority Actions](#)

**Annex 6:** [Hydrogen Breakthrough Progress Dashboard](#) (to follow)

**Special Session: Latin America Regional Energy Transition**

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<b>Date and Time:</b>	Tuesday, March 21, 14h30-15h30
<b>Location:</b>	Gavea Plenary Hall
<b>Chairs:</b>	Guillermo Koutoudjian, José Torón and Alejandra Bernal
<b>Participation:</b>	Open to all

**Summary:**

This interactive session will provide the latest key insights from IRENA and IEA on the energy transition in the LATAM region, including opportunities across the clean energy technology innovation to deployment spectrum. It will feature high-level discussions and presentations with representatives from Latin America to discuss pathways for decarbonisation in the LATAM region.

**Breakthrough Agenda 4: Power Breakthrough Roundtable - Delivering the 2023 Priority Actions**

<b>Date and Time:</b>	Tuesday, March 21, 15h45-16h45
<b>Location:</b>	Copacabana
<b>Chair:</b>	UK – Matthew Webb, Deputy Director, International Energy, Department for Energy Security and Net Zero  Morocco - Najlae Habibi, Head of Energy Efficiency Program Services Division
<b>Participation:</b>	<ul style="list-style-type: none"> <li>• Head of Delegation from countries that have endorsed the Breakthrough</li> <li>• Head of Delegation from other CEM/M countries</li> <li>• CEM/MI sector leads</li> <li>• Senior representatives from initiatives delivering the Power Priority Actions (including GGI, CCG, ETC, SEAD, MI-GPFM, GEAPP, CIFs)</li> <li>• Current and incoming COP Presidency representative</li> <li>• Representative of the Breakthrough Agenda Report author organisations (IRENA, IEA, HLC)</li> <li>• UN High Level Climate Champions Sector Leads</li> <li>• CEM/MI technical experts, including the MI Technical Advisory Group</li> <li>• UNFCCC Secretariat</li> <li>• Breakthrough Agenda project team</li> <li>• CEM/MI Secretariats</li> </ul>

**Summary:**

A round table discussion of what needs to be done to ensure successful delivery of the Breakthrough Agenda Priority Actions by COP28, including what decisions need to be made to achieve this. The Breakthrough Agenda takes a holistic view of enhancing international cooperation, so this roundtable will cover the full range of activity in the power sector including activities led by CEM and MI and by other international initiatives. This session is highly recommended to MI senior representatives involved in the Green Powered Future Mission.

**Objectives:**

- Build an understanding of the holistic picture of progress across the sector on critical elements of the transition by discussing and developing a shared understanding of progress against the Priority Actions, progress towards the relevant Breakthrough goal and status of cooperation in the sector.
- Identify the key delivery milestones in the coming year and identifying what more can be done to make clean technology the most affordable and reliable option for all by 2030.
- Highlight the central position of CEM and MI and Breakthrough Agenda in the climate ecosystem. The Breakthrough Agenda is the first joint project between CEM and MI.

- Shape the 2023 Breakthrough Agenda Report, through both direct discussion about the report itself, and through gathering intelligence from the content of the discussions. This would help to inform 2024 priority actions under the Breakthrough Agenda.

### Agenda:

- Introductions (2 mins); Chairs.
- Ambition for international collaborative action on Power by COP28 (3 mins); TBC: UAE COP28 Presidency Team.
- The Breakthrough Agenda Report 2023 - set out the expected areas of focus for the Power chapter this year (3 mins); TBC – Power chapter lead, IEA/IRENA/High Level Champions Team.
- Breakthrough Priority Action Dialogue. (45 minutes); led by chairs, with input from round table participants.
  - Chairs will invite round table participants to consider, in the context of the Breakthrough Agenda Priority Actions, the guiding questions below.
- Closing remarks (5 minutes); Luciano Martini, Director of MI Clean Power Future Mission and CEM-ISGAN TBC.

### Guiding Questions:

In the context of the Breakthrough Agenda Priority Actions:

- Do you agree with & support the ambition for COP28 – would you like to see the ambition changed or raised?
- How can your country, or an international initiative you lead or support, further contribute to driving progress this year? For example, what additional funding, resources or commitments are needed to achieve the Priority Actions
- How can Ministers engage with and drive progress – what aspects should they be briefed on and discuss? What will excite and engage them?

For the power round table, we are keen to draw out discussion on:

- Demand Management and Creation?
- Using our collective resource and knowledge base to contribute to:
  - Power Systems Transformation Playbook.
  - Infrastructure, knowledge, and skills, specifically the development of Interconnector Principles.
- Supporting just transitions

### Background:

Launched by world leaders at COP26, the Breakthrough Agenda aims to strengthen international collaboration in key sectors working to ensure clean technologies are the most affordable and accessible option by 2030. This work focuses on facilitating effective international collaboration by identifying the

most urgent and high impact opportunities for strengthened collaboration, strengthening connections between clean energy initiatives, reviewing progress towards the Breakthrough goal each year and channeling support behind a set of priority actions in response to the report recommendations. At COP27, countries agreed to prioritize collaboration on a set number of Priority Actions including crowding in support behind the initiatives that are delivering these actions.

**Annex 5:** [Breakthrough Agenda Priority Actions](#)

**Annex 6:** [Hydrogen Breakthrough Progress Dashboard](#) (to follow)

**US-led Financing Clean Energy Demonstrations Dialogue**

<b>Date and Time:</b>	Tuesday, March 21, 15h45-16h45
<b>Location:</b>	Ipanema
<b>Chairs:</b>	David Crane, U.S. Department of Energy, Office of Clean Energy Demonstrations Director & Nominee for Undersecretary of Infrastructure. Tom Rollason, U.K. Department for Business, Energy, and Industrial Strategy, Private Sector Engagement Manager.
<b>Participation:</b>	Directors. Accompanying delegates may observe.

**Summary:**

The *Mission Innovation Financing Clean Energy Demonstrations Dialogue Series* will bring together Member countries and leading private sector voices to share activities and learnings around financing mechanisms that support markets to deploy clean energy demonstration projects at scale. These discussions are an intimate, off-the-record conversation that will help inform public investments in demonstration projects to catalyze clean energy solutions at scale.

Building on the Clean Energy Demonstrations Roundtable hosted by the U.S. at the Global Clean Energy Action Forum, a joint convening of the 13th Clean Energy Ministerial (CEM) and the 7th Mission Innovation (MI) Ministerial, this initial *Dialogue* will focus on how governments are advancing offtake mechanisms to create demand and economies of scale for products produced by large scale clean energy demonstrations. Future sessions will cover other financing mechanisms, including public-private partnerships and approaches to stimulate markets.

**Objectives:**

- Identify financing mechanisms, approaches, and challenges to advance clean energy demonstration projects across a range of technologies, focusing on offtake mechanisms.

- Explore opportunities for greater collaboration / deepen ties between Mission Innovation, member countries, and private sector actors (e.g., First Mover Coalition, Mission Possible Partnership) on using offtake mechanisms to advance large scale demonstration projects.
- Compile lessons learned / best practices for offtake mechanisms in a summary brief or public blog and explore methods of wider distribution among the MI network.

### Agenda:

- Welcome & Introduction (3 min)
- Keynote Presentation (7 min)
  - Brief scene setter presentation (First Mover Coalition - invited)
- Breakout Groups (40 min)
  - Technology specific: hydrogen, “green” industrial products (steel, cement, aluminum, chemicals), shipping, carbon dioxide removal
  - An experienced facilitator for each breakout group.
- Readout & Next Steps (10 min)
  - The facilitator for each group reports back key take-aways -- lessons learned and/or best practices.
  - Identify cross-cutting lessons learned to be captured in a short public blog/document/brief

### Guiding Questions:

- What programs does your country have to execute clean energy technology demonstration projects at scale in partnership with the private sector?
  - What offtake mechanisms do those demonstration programs include and how is support from the private sector leveraged?
- What offtake challenges have you seen in advancing hydrogen, “green” industrial products (steel, cement, aluminum, chemicals), shipping, carbon dioxide removal, under the auspices of large demonstration projects and how have you overcome them?
- How can countries work together to overcome these offtake challenges and to coordinate approaches to maximize impact?
- How are lessons learned/project-level insights shared with a wider audience to accelerate similar clean energy demonstration-level projects?

### Background:

#### Annex 4: Clean Energy Technologies Demonstrations Roundtable

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