



# MI 2.0 GPFM: 1<sup>st</sup> Continental Task Force Meeting

4 April 2023

Green Powered Future Mission Team



## **DRAFT**

- 13:00–13:05 **Welcome**
- 13:05–13:15 **Introduction to FPI(\*) and National Pilots survey**
- 13:15–13:45 **Intro to Task Forces and Open discussion:**
- a) Continental Task Forces organization
  - b) Scope & objectives, main activity, first actions, timeline
- 13:45–13:55 **Next steps and possible outcomes for MI-8/CEM14 in Goa**
- 13:55–14:00 **AOB**

(\*) Flagship Project 1 (FPI) “5 demos in five continents”

# Continental Task Forces Participants

MI Countries				MI Countries				Private sector				International organisations						
Co-Leads	Name	Member	Org./Country	Core Members	Name	Member	Org./Country	Core Members	Name	Member	Org./Country	Support M. Core Members	Name	Member	Org.			
	Jian Sun	China	MOST		Peta Olesen	Australia	DISER		Paolo Vanoni	Alperia	Italy		Francisco Boshell	IRENA	IRENA	Arina Anisie	IRENA	IRENA
		UK	DESNZ		<b>Niall Jacobsen</b>	<b>Australia</b>	<b>DISER</b>		Ivano Fadanelli	Alperia	Italy		Martina Lyons	IRENA	IRENA	Mirlan Aldayarov	World Bank	WB
	Stefano Raimondi	Italy	MASE		<b>John K. Ward</b>	<b>Australia</b>	<b>CSIRO</b>		Annalisa Andaloro	Alperia	Italy		Vida Rozite	IEA	IEA	Pauline Henriot	IEA	IEA
	Jiayu You	China	MOST		JBV Reddy	India	DST		<b>Ercole De Luca</b>	<b>Areti</b>	<b>Italy</b>		<b>Emi Bertoli</b>	<b>IEA</b>	<b>IEA</b>	Ghislaine Kieffer	IEA	IEA
	<b>Yibo Wang</b>	<b>China</b>	<b>IEE CAS</b>		<b>N.P. Padhy</b>	<b>India</b>	<b>IITR</b>		Massimo Bonato	Areti	Italy		Irmgard Herold	MI Secretariat				
	<b>Jia Zhang</b>	<b>China</b>	<b>IEE CAS</b>		<b>Rohit Bhakar</b>	<b>India</b>	<b>IITR</b>		<b>Viviana Vitto</b>	<b>Enel GI&amp;N</b>	<b>Italy</b>		<b>Andrew Pease</b>	<b>MI Secretariat</b>				
	<b>Ran Bi</b>	<b>China</b>	<b>IEE CAS</b>		<b>Arpit Kumar</b>	<b>India</b>	<b>IITR</b>		Serena Cianotti	Enel GI&N	Italy		Tom Rollason	Private Sector Engagement				
	Ting Li	China	IEE CAS		Hisham Alhassnan	S. Arabia	Min. of Energy		Zhigang Cao	Goldwind	China							
	<b>Sarah Butler</b>	<b>UK</b>	<b>DESNZ</b>		Abdullah Almehizia	S. Arabia	KACST		Endi Zhai	Goldwind	China							
	Marcello Capra	Italy	MASE		Cristina Trueba	Spain	MCIN		Jiayuan Yang	Goldwind	China							
	<b>Teo Martin</b>	<b>Italy</b>	<b>MASE</b>		<b>Oscar Izquierdo Monge</b>	<b>Spain</b>	<b>CIEMAT</b>		Dongya Wang	Goldwind	China							
	<b>Francesco Luca Basile</b>	<b>Italy</b>	<b>Uni. BO</b>		M.Jesús Miguel Pérez	Spain	MCIN		Shi Yiping	Goldwind	China							
	<b>Eleonora Sanseverino</b>	<b>Italy</b>	<b>Uni. PA</b>		<b>Eva María González</b>	<b>Spain</b>	<b>MCIN</b>		<b>Gavin Starks</b>	<b>Icebreaker One</b>	<b>UK</b>							
	<b>Luciano Martini</b>	<b>Italy</b>	<b>RSE</b>		Sabine Mitter	Austria	BMK		Zhenguo Li	longi	China							
	<b>Mattia Cabiati</b>	<b>Italy</b>	<b>RSE</b>	<b>Helfried Brunner</b>	<b>Austria</b>	<b>AIT</b>	Yaohua Shang	longi	China									
	<b>Viktoriiia Fedorova</b>	<b>Italy</b>	<b>RSE</b>	<b>Gustavo Ponte</b>	<b>Brazil</b>	<b>EPE</b>	Jason Zhao	longi	China									
	<b>Gloria Scalco</b>	<b>Italy</b>	<b>RSE</b>	<b>Michele Souza</b>	<b>Brazil</b>	<b>EPE</b>	Si Wang	longi	China									
	Rachele Nocera	Italy	MUR	Alexandre Prieur	Canada	NRCAN	<b>Amir Alikhanzadeh</b>	<b>National Grid</b>	<b>UK</b>									
	Francesco Sergi	Italy	CNR	<b>Patrick McCauley</b>	<b>Canada</b>	<b>NRCAN</b>	Alexander Riddiford	National Grid	UK									
Ilaria Bencini	Italy	CNR	<b>Josef Ayoub</b>	<b>Canada</b>	<b>NRCAN</b>	Louise Clark-White	National Grid	UK										
Monica Fabrizio	Italy	CNR	Maria Getsiou	EU	EC	Sebastian Van Dort	BSI Group	UK										
Giorgio Graditi	Italy	ENEA	Peter Horvath	EU	EC	Dan Clarke	ENA	UK										
<b>Maria Valenti</b>	<b>Italy</b>	<b>ENEA</b>	<b>Ralf Eickhoff</b>	<b>Germany</b>	<b>Fz Juelich</b>	Farina Farrier	ENA	UK										
			<b>Yuko Kono</b>	<b>Japan</b>	<b>METI</b>	Alberto Biancardi	GSE	Italy										
			Masashi Shiraishi	Japan	METI	Alberto Jr Pela	GSE	Italy										
			Koreeda Kenichiro	Japan	METI	Luca Marchisio	TERNA	Italy										
			Jun Hashimoto	Japan	AIST	<b>Luca Orrù</b>	<b>TERNA</b>	<b>Italy</b>										
			Maruta Akiteru	Japan	Technova	<b>Stefano Tedeschi</b>	<b>TERNA</b>	<b>Italy</b>										
			TBC	Netherlands	-	<b>Antonio Iliceto</b>	<b>ETIP-SNET</b>	<b>EU</b>										
			Gwonho Jeong	R. of Korea	MOTIE													
			Yejin Lee	R. of Korea	KETEP													

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13:55–14:00 **AOB**

(\*) Flagship Project 1 (FPI) “5 demos in five continents”

# GPFM engagements at the MI Annual Gathering

- **GPFM overview** as part of the pre-reading material for the MI Annual Gathering (*GPFM description, Deliverables for 2023, Resourcing, Stakeholder Engagement, Communications*)
- **Very positive feedback** from MI and MI Sec soon after submission
- Live and fruitful discussion during the **MI roundtable** on Day 3, chaired by UK HoD Lee McDonough:
  - Main outcomes from the National Pilots survey
  - GPFM concrete Deliverables for 2023
  - Positive feedback

CEM & MI IN RIO  
Clean Energy Ministerial 14 Senior Officials Meeting  
Mission Innovation 8 Annual Gathering

GPFM

Deliverables		
Action	Concrete Deliverable(s) for 2023	Details
FP1 5 Demos in five Continents	Results from the survey issued to collect relevant information about ongoing and planned GPFM members' national pilot projects that tackle one or more of the 50 IPs identified in the Action Plan. These projects will also constitute the building blocks of the FP1 continental demos.	<ul style="list-style-type: none"> <li>• Main outcomes analyzed at the ExCo13 meeting and openly discussed.</li> <li>• Set up three Continental Task Forces - CTF (I Asian, II European, and III N&amp;S American and Australia) to monitor the progress and foster info sharing among national pilots contributing to FP1 continental demos.</li> </ul>
	National pilots design considering use cases definition and mapping	<ul style="list-style-type: none"> <li>• Several key activities including data mining, studies and analysis, numerical simulations, CBA and laboratory-scale testing as appropriate and/or needed.</li> <li>• The outcomes from this activity will be available at the end of Q2/2023, laying the ground for the selection and delivery of national pilots.</li> </ul>
	National Pilots final selection	<ul style="list-style-type: none"> <li>• Selection by Q4/2023 of the national pilots that will constitute the continental demos under FP1.</li> </ul>
FP2 Multilateral Research Programme	Establishment of a fruitful collaboration with the CETPartnership	Meetings and information exchange with CETPartnership TRI leads have been organized to discuss and proceed towards the development of the dedicated FP2 joint call module.
	Drafting and submission of the scoping paper for the joint call module "Green power production technologies, storage and system integration"	The scoping paper covering the 11 innovation priorities selected by a coordinated effort (survey, dedicated task force, etc.) has been submitted on 15 February.
	Launched survey to collect detailed information about the possible contribution to FP2 and in particular the likelihood for GPFM members Ministry/funding Agency/other to assign resources to the FP2 Call Module 2023	The information collected by this FP2 survey is crucial for the shaping of the foreseen activities.

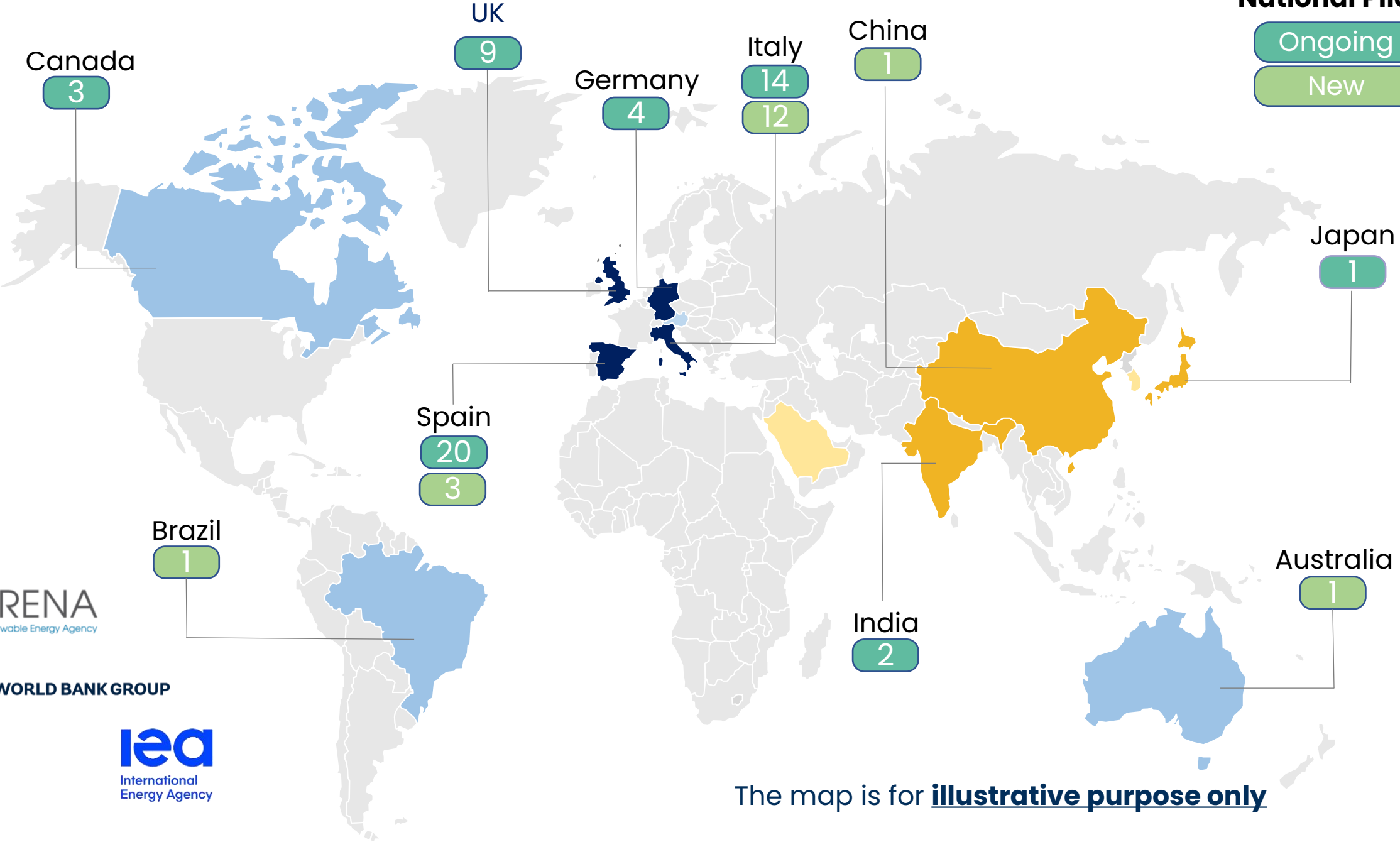
MISSION INNOVATION

27



**National Pilots**

- Ongoing
- New



The map is for **illustrative purpose only**

**71** Projects submitted

**37** Public funded projects

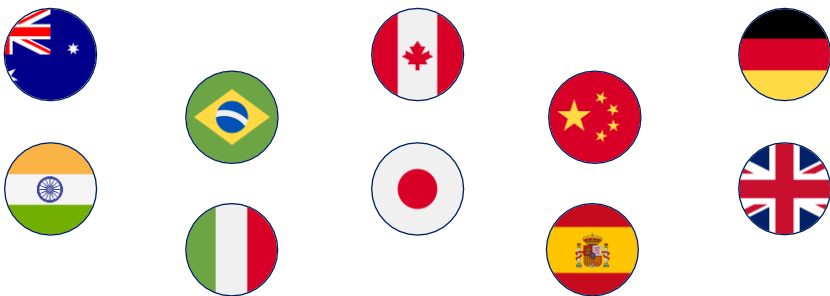
**30** Co-funded projects

**4** Private funded projects

**53**  
Ongoing  
Projects

**18**  
New  
Projects

From **10** Countries



**49**

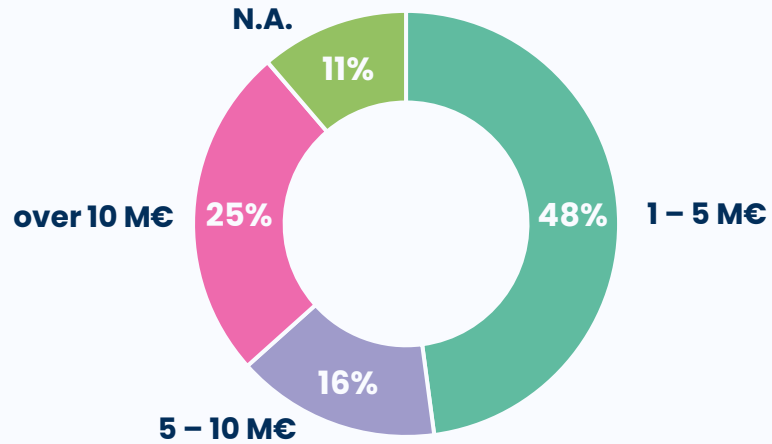
Innovation Priorities addressed  
out of 50 covered

**50+** Use Cases

**20** UCs >10x

# National Pilots survey in figures

### Project Budget (in M€)

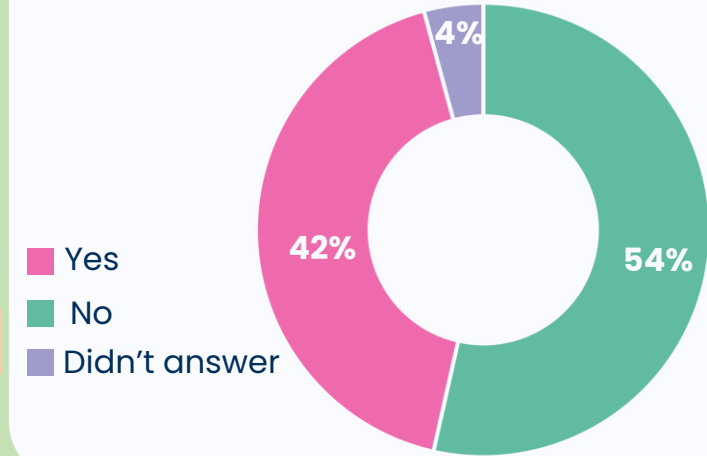


**71 projects**  
submitted

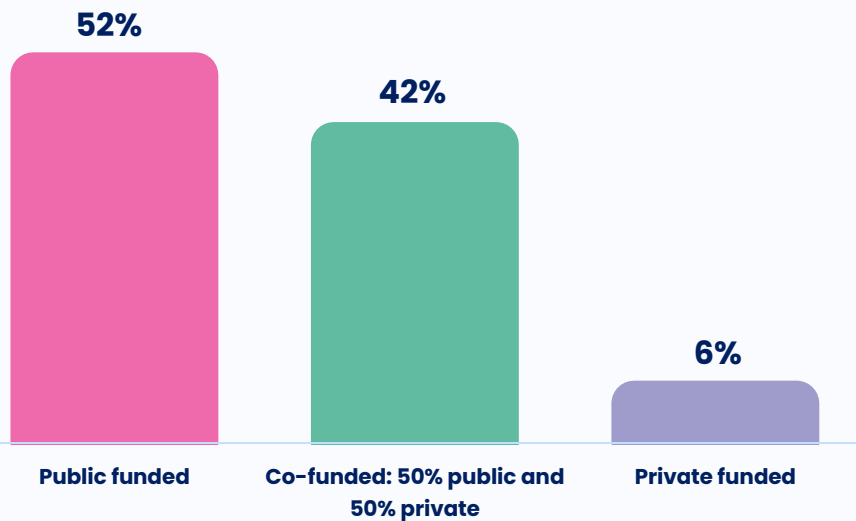
**53** ongoing

**18** new

### International Cooperation



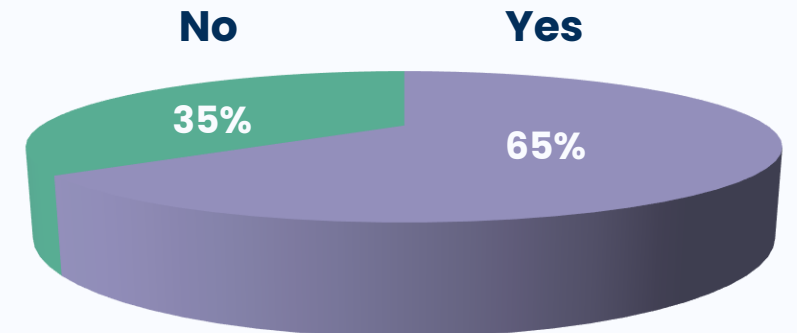
### Funding Scheme



**49 IPs**  
out of 50  
covered

**50+ Use Cases**  
20 UCs >10x

### Info publicly available on Internet





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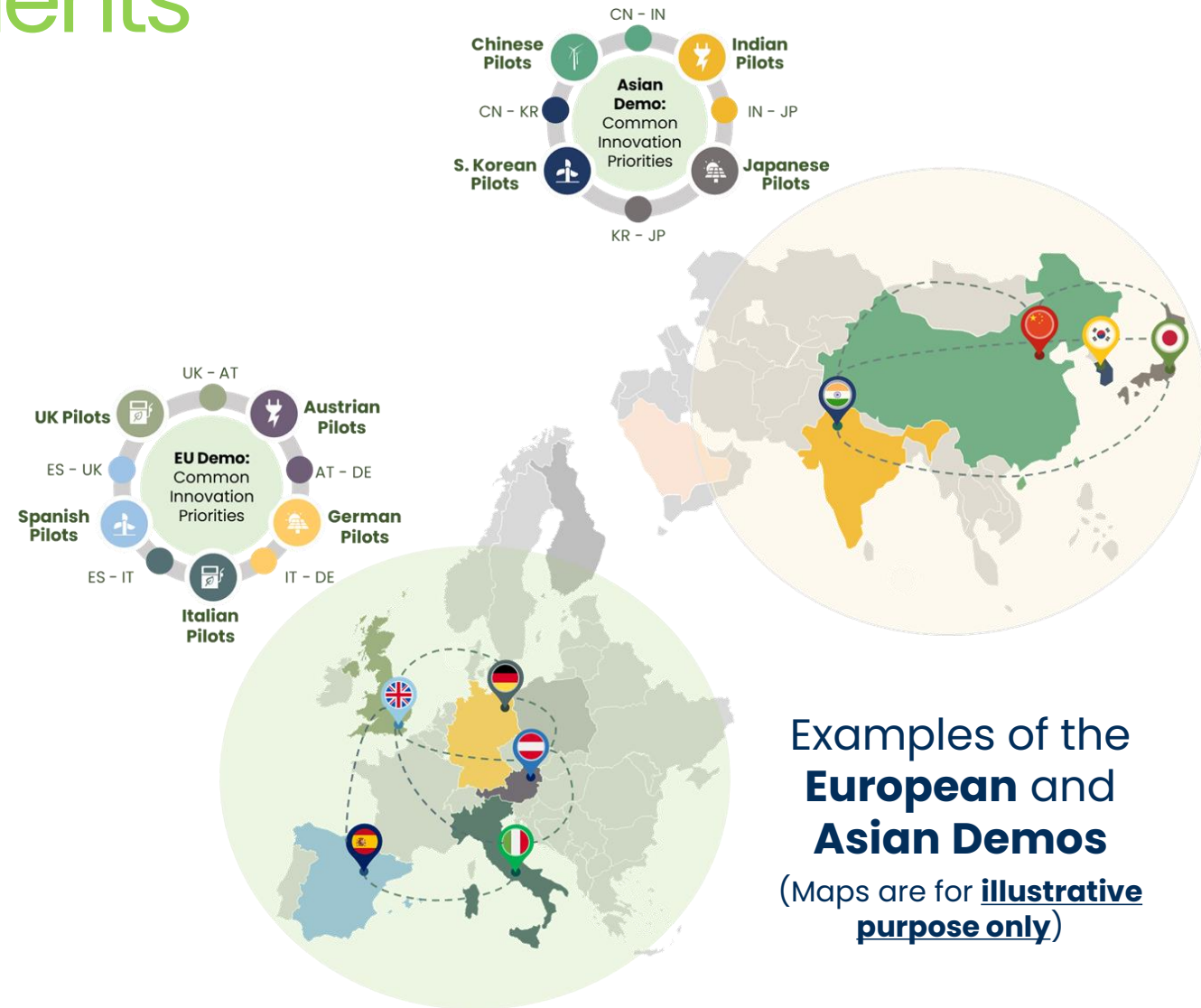
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# Flagship Project 1: 5 Demos in Five Continents

- Establishing **five continental large Demonstrators** with up to **80% VRE** by 2024
- Implementing **20+ National Pilots** by engaging governments and the private sector
- Tackling urgent **Innovation Priorities**
- Populating the **GPFM Toolbox** with **proven innovative solutions**, to be disseminated broadly

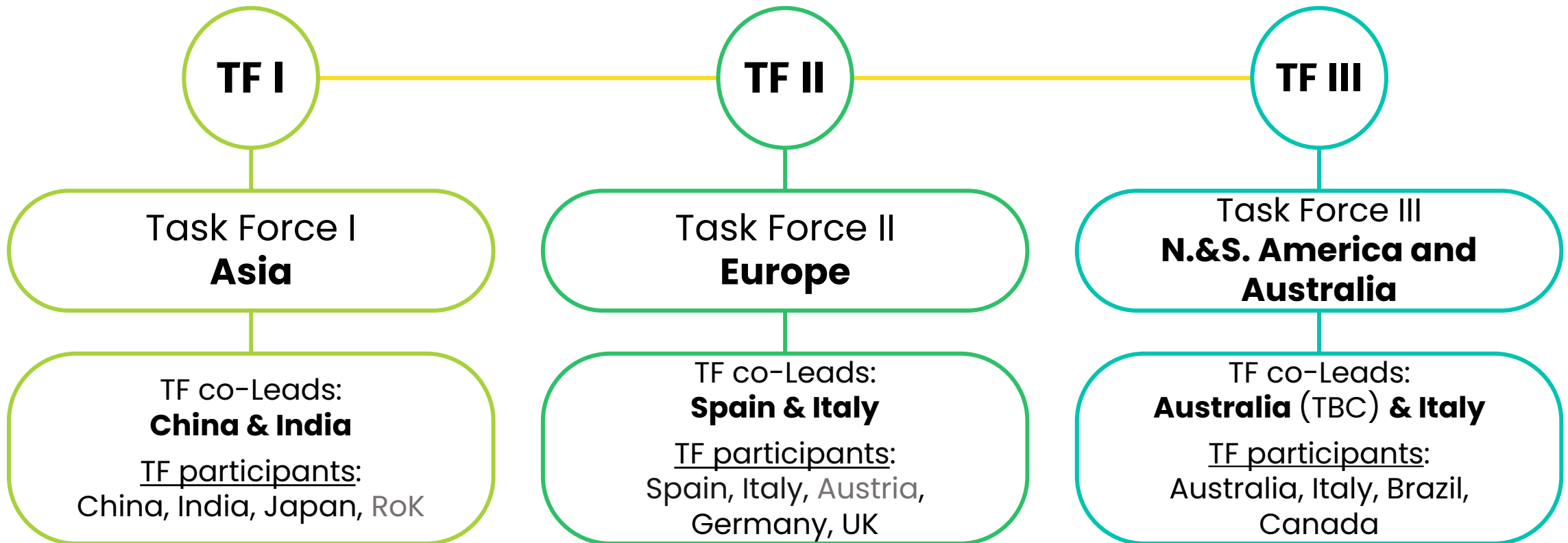


# FPI Continental Task Forces

- **3 Continental Task Forces (TF)** to map out the specific Innovation Priorities addressed by each individual National Pilot:
  - **TF I** Asia
  - **TF II** Europe
  - **TF III** N.&S. America and Australia
- Each Task Force will:
  - nominate a **lead member** and an alternate member that will be responsible to provide **periodic updates** ✓
  - **monitor progress** and foster the **sharing of pilot projects' results**
  - engage the **national pilot coordinators** and the main **public and private partners** involved



# FPI Continental Task Forces Leads



# Expectation from the Continental Task Forces and Task Force Leads

## Proposed approach & setting:

- Task Forces Plenary Meeting **every quarter** (once every 3 months)
- Task Force Leads:
  - to **set up** and **lead/moderate** meetings discussion
  - to **gather updates** from Task Force members **on the progress of national pilots**
  - to foster **sharing of main results** among national pilots
- Task Force Leads present updates on their Task Force to the GPFM ExCo at **least every quarter**, following the Task Force meetings
- AOB

# First “needed” actions and **timeline**

- Nomination of a Task Force Lead and Alternate/co-Lead for each continent ✓
- Set up of a temporary repository to be used as share point (e.g., OneDrive folders)
- Provision of **results of the national pilot survey** to the Task Force Leads and the **contact details** of all members relevant to each Task Force
- Set up of **regular meetings** by the Task Force Lead
- Agreement on a **template** for Task Force Leads to be filled in and presented to ExCo members about the pilots/demos progress
- **Information Periodic update** to be uploaded on the dedicated space on the **Internet-based Platform** (GPFM members-only area)



# FPI Task Forces: Open discussion

- Continental Task Forces organization
- Scope & objectives, main activity, first actions, timeline
- Next meetings and TF presentation during the upcoming ExCo14
- AOB



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# Possible outcomes for CEM14/MI-8

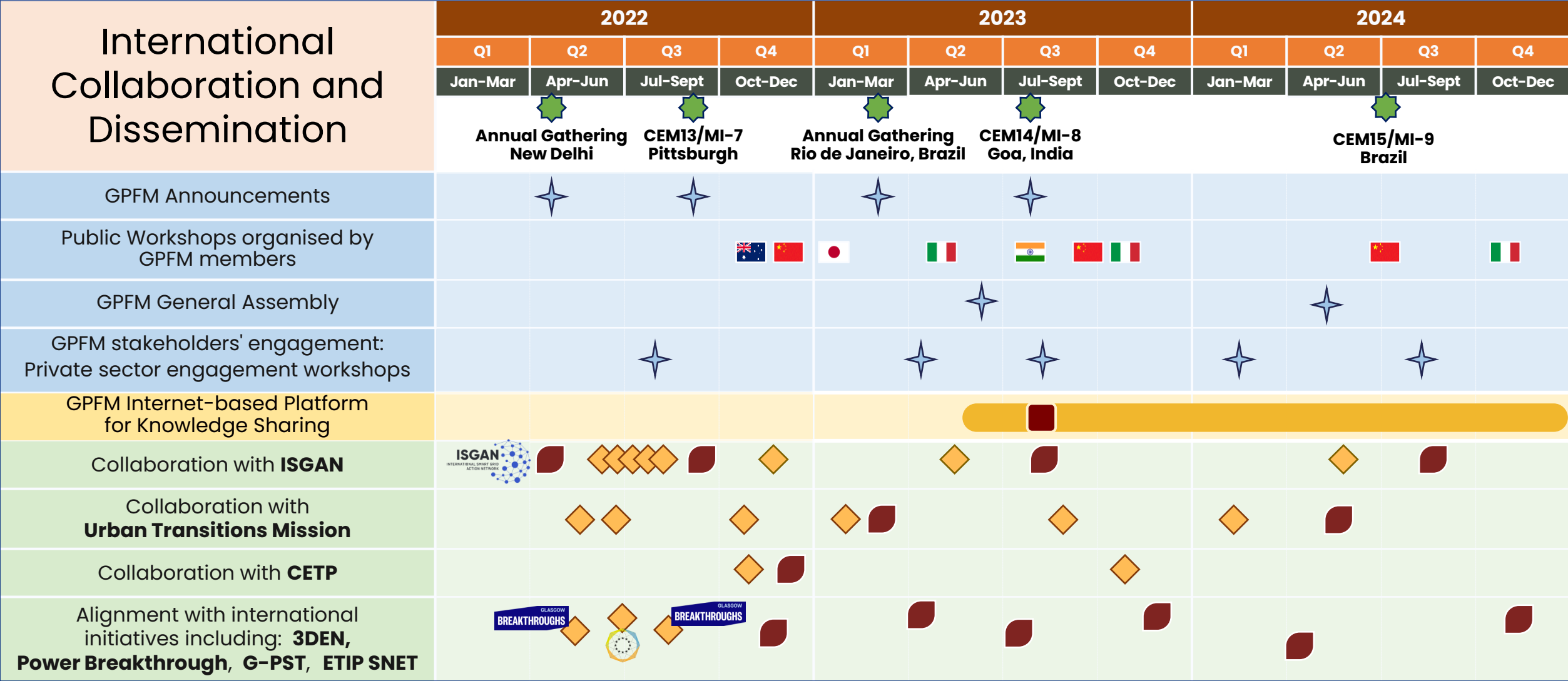
## Releasing of the FPI “5 demos in five continents: National Pilots Report”

- Aim to collect all the main **outcomes** from the **FPI National Pilots survey**
- Development of a **concise document** focusing on the survey collated info
- This Report could possibly include:
  - a chapter on collated **National Pilots info**, with fiches’-format (i.e., GPFM countries sub-paragraphs, international organizations, and the private sector)
  - a chapter on the **innovation priorities coverage** (1-2 pages)
  - a **dedicated chapter about Continental Task Forces** (1 page)
  - ...



Country Fiche  
Example

# GPFM Gantt Chart



Periodic meetings Joint Events

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FUTURE**  
MISSION

# Thank you for your attention

## Main Contacts:

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