



15th Executive Committee (ExCo15) Meeting

24 May 2023

Green Powered Future Mission Team



- 13:00–13:10 **Welcome and Introduction**
- 13:10–13:40 **FP1 “5 demos in five continents” : National Pilots Report**
- a. GPFM members’ fiches and Pilots’ fiches: present status
 - b. Feedback and open discussion with ExCo members
 - c. Timeline for the document finalisation and graphic editing
- 13:40–13:50 **FP2 “Multilateral Research Programme”**
- a. Joint Call Module with CETPartnership: update from CETP and timeline
 - b. Feedback and open discussion
- 13:50–14:10 **Next steps towards CEM14/MI-8 in Goa**
- a. Main announcements and GPFM reps engagements (FP1 Report, FP2 Call)
 - b. Joint Event(s) with CEM initiatives: expected approval
- 14:10–14:20 **Communication activities update**
- 14:20–14:30 **AOB and conclusions** (Continental Task Forces, UTM)

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**GREEN POWERED
FUTURE**
MISSION

Welcome and Introduction by GPFM co-Leads



ExCo15 Participants



| MI Countries | | |
|------------------------------|--------|--------------|
| Name | Member | Org./Country |
| Jian Sun | China | MOST |
| - | UK | DESNZ |
| Stefano Raimondi | Italy | MASE |
| Jiayu You | China | MOST |
| Yibo Wang | China | IEE CAS |
| Jia Zhang | China | IEE CAS |
| Ran Bi | China | IEE CAS |
| Sarah Butler | UK | DESNZ |
| Marcello Capra | Italy | MASE |
| Teo Martin | Italy | MASE |
| Francesco Luca Basile | Italy | Uni. BO |
| Eleonora Sanseverino | Italy | Uni. PA |
| Luciano Martini | Italy | RSE |
| Mattia Cabiati | Italy | RSE |
| Viktorii Fedorova | Italy | RSE |
| Gloria Scalco | Italy | RSE |
| Rachele Nocera | Italy | MUR |
| Francesco Sergi | Italy | CNR |
| Ilaria Bencini | Italy | CNR |
| Monica Fabrizio | Italy | CNR |
| Giorgio Graditi | Italy | ENEA |
| Maria Valenti | Italy | ENEA |

| MI Countries | | | |
|------------------------------|-------------|----------------|-----------------|
| Name | Member | Org./Country | |
| Peta Olesen | Australia | DISER | Core Members |
| Niall Jacobsen | Australia | DISER | |
| John K. Ward | Australia | CSIRO | |
| JBV Reddy | India | DST | |
| N.P. Padhy | India | IITR | |
| Akash Sagar | India | IITR | |
| Arpit Kumar | India | IITR | |
| Hisham Alhassnan | S. Arabia | Min. of Energy | |
| Basel Alsubaity | S. Arabia | Min. of Energy | |
| Abdullah Almehezia | S. Arabia | KACST | |
| Cristina Trueba | Spain | MCIN | |
| Oscar Izquierdo Monge | Spain | CIEMAT | |
| Felix Téllez | Spain | CIEMAT | |
| Luis Manuel Santos | Spain | EDP | |
| Eva María González | Spain | MCIN | |
| Sabine Mitter | Austria | BMK | Support Members |
| Helfried Brunner | Austria | AIT | |
| Gustavo Ponte | Brazil | EPE | |
| Michele Souza | Brazil | EPE | |
| Alexandre Prieur | Canada | NRCAN | |
| Patrick McCauley | Canada | NRCAN | |
| Josef Ayoub | Canada | NRCAN | |
| Maria Getsiou | EU | EC | |
| Peter Horvath | EU | EC | |
| Ralf Eickhoff | Germany | Fz Juelich | |
| Yuko Kono | Japan | METI | |
| Masashi Shiraishi | Japan | METI | |
| Koreeda Kenichiro | Japan | METI | |
| Jun Hashimoto | Japan | AIST | |
| Maruta Akiteru | Japan | Technova | |
| TBC | Netherlands | - | |
| Heejung Cho | R. of Korea | MOTIE | |
| InAe Cho | R. of Korea | KETEP | |

| Private sector | | | |
|----------------------------|----------------|--------------|-----------------|
| Name | Member | Org./Country | |
| Ivano Fadanelli | Alperia | Italy | Core Members |
| Annalisa Andaloro | Alperia | Italy | |
| Ercole De Luca | Areti | Italy | |
| Massimo Bonato | Areti | Italy | |
| Viviana Vitto | Enel Grids | Italy | |
| Mena Testa | Enel Grids | Italy | |
| Endi Zhai | Goldwind | China | |
| Qizhong Shi | Goldwind | China | |
| Gavin Starks | Icebreaker One | UK | |
| Jenna Ilic | Icebreaker One | UK | |
| Zhenguo Li | longi | China | |
| Yaohua Shang | longi | China | |
| Li Jiang | longi | China | |
| Si Wang | longi | China | |
| Dong Wang | longi | China | |
| Chen Zhu | longi | China | Support Members |
| Amir Alikhanzadeh | National Grid | UK | |
| Alexander Riddiford | National Grid | UK | |
| Sebastian Van Dort | BSI Group | UK | |
| Abbey Dorian | BSI Group | UK | |
| Dan Clarke | ENA | UK | |
| Farina Farrier | ENA | UK | |
| Alberto Biancardi | GSE | Italy | |
| Alberto Jr Pela | GSE | Italy | |
| Luca Marchisio | TERNA | Italy | |
| Luca Orrù | TERNA | Italy | |
| Stefano Tedeschi | TERNA | Italy | |
| Antonio Iliceto | ETIP-SNET | EU | |

| International organisations | | | |
|-----------------------------|---------------------------|-------|-------------------------|
| Name | Member | Org. | |
| Francisco Boshell | IRENA | IRENA | Support M. Core Members |
| Arina Anisie | IRENA | IRENA | |
| Martina Lyons | IRENA | IRENA | |
| Mirlan Aldayarov | World Bank | WB | |
| Vida Rozite | IEA | IEA | |
| Pauline Henriot | IEA | IEA | |
| Emi Bertoli | IEA | IEA | |
| Ghislaine Kieffer | IEA | IEA | |
| Irmgard Herold | MI Secretariat | | |
| Andrew Pease | MI Secretariat | | |
| Tom Rollason | Private Sector Engagement | | |

ExCo15 participants
in **bold**

Upcoming events & Timeline



May – June main events:

- 8 May Industry Oriented Green Power Stakeholder Workshop by India
- 9 May 4th MI public funders dialogue
- 24 May **ExCo15 Meeting**
- 6–8 June IEA 8th Global Conference on Energy Efficiency, Paris (FR)
- 26–30 June ESMAP/ESP World Bank, Leicestershire (UK)
- End June ExCo16 Meeting

Continuous engagements:

- **Co-Leads** weekly calls
- **Co-Leads Senior Officials calls (!)**
- **MI Missions** working group call
- Coordination meetings with **Urban Transitions Mission** and **CETPartnership**

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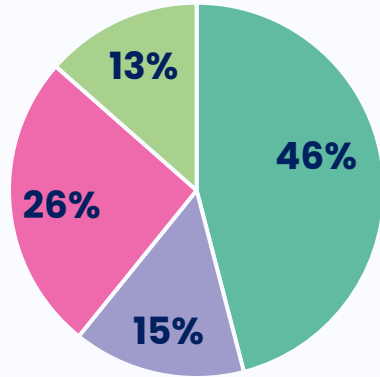
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National Pilots survey in figures

Project Budget (in M€)



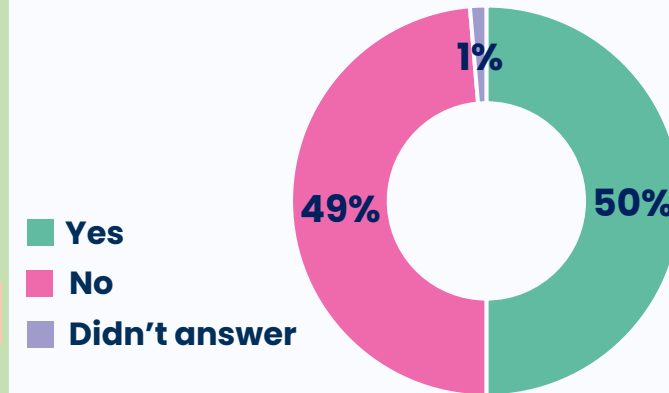
■ From 1 to 5 M€ ■ From 5 to 10 M€ ■ Over 10 M€ ■ n.a.

74 projects submitted

52 ongoing

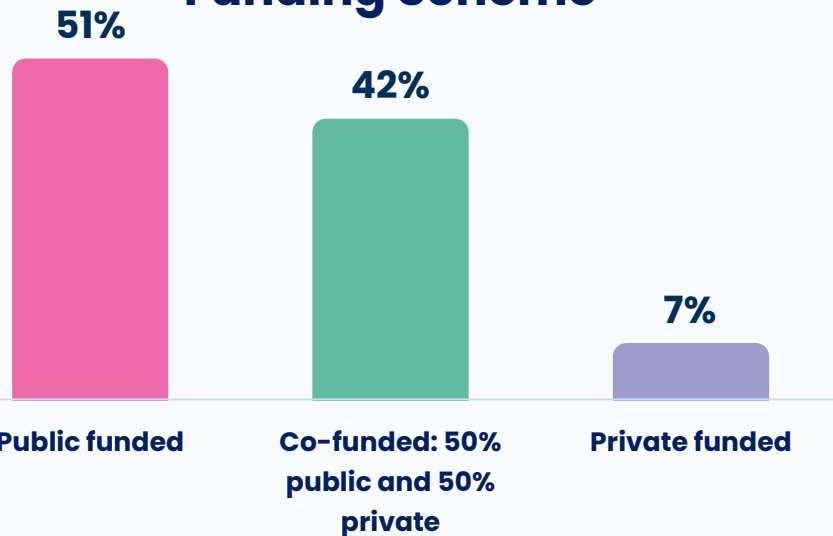
22 new

International Cooperation



■ Yes
■ No
■ Didn't answer

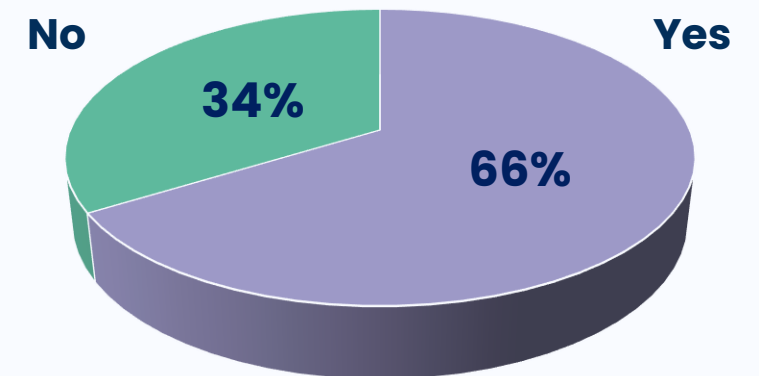
Funding Scheme



50 IPs
out of 50
covered

50+ Use Cases
20 UCs >10x

Info publicly available on Internet



74 Projects submitted

38 Public funded projects

31 Co-funded projects

5 Private funded projects

52

Ongoing
Projects

22

New
Projects

From **10** Countries



50

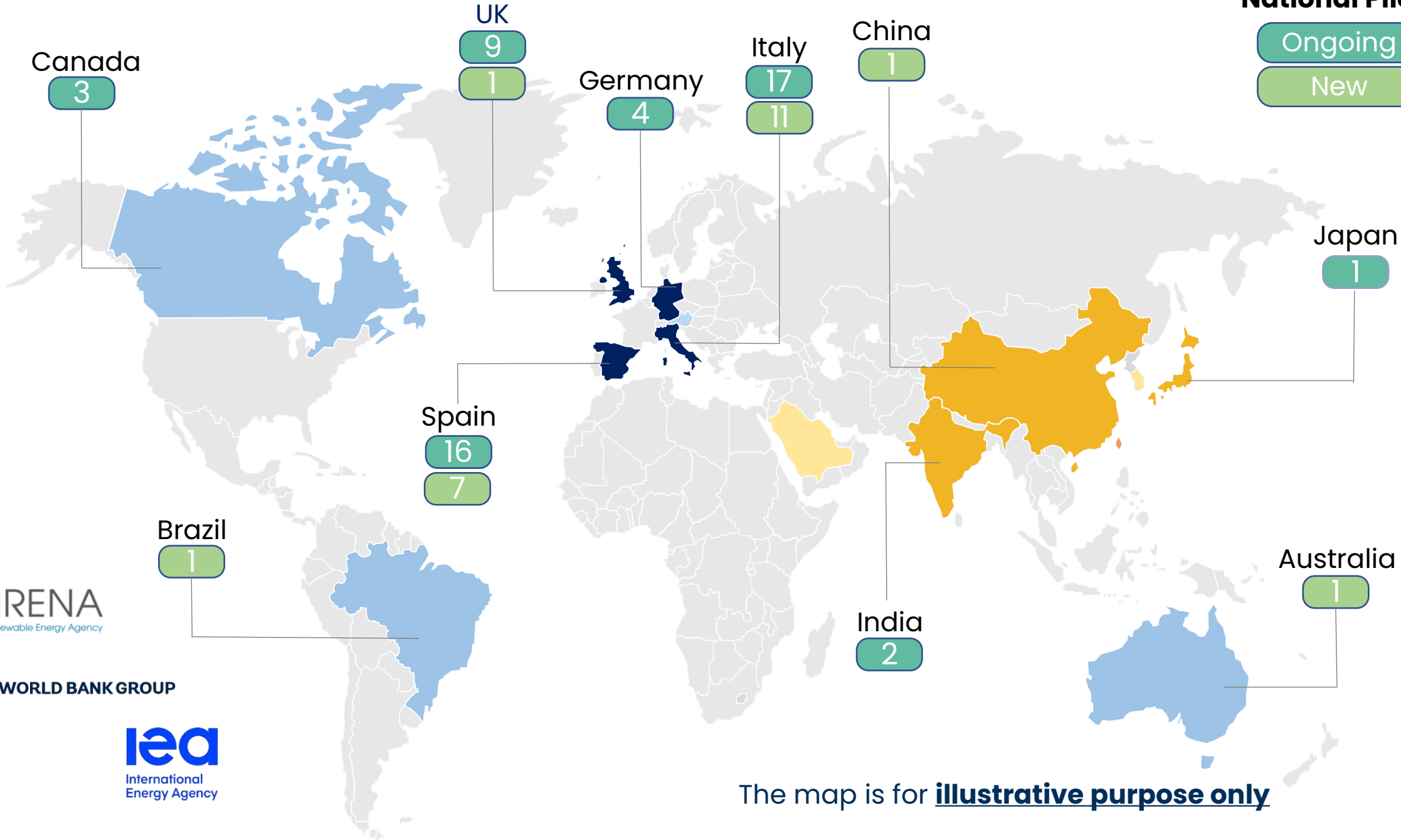
Innovation Priorities addressed
out of 50 covered

50+ Use Cases

20 UCs >10x

National Pilots

- Ongoing
- New



The map is for **illustrative purpose only**

National Pilots Report: Table of Content



Table of Content (ToC) and Present status of the National Pilots Report

| # | Chapter | # of pages | Level of completion |
|---|--|------------|---------------------|
| 0 | Introduction: The Green Powered Future Mission and the FPI “5 demos in five continents” | 2 | In progress |
| 1 | Main outcomes from the National Pilots Survey | 1 | In progress |
| 2 | Continental demo projects Approach: national pilots as building blocks for the GPFM continental demos 1.1. Asian National Pilots Members’ fiches (0.5-page each) National pilot projects (0.5-page each) 1.2. European National Pilots Members’ fiches(0.5-page each) National pilot projects (0.5-page each) 1.3. Intercontinental National Pilots Members’ fiches (0.5-page each) National pilot projects (0.5-page each) 1.4. International Organization fiches Members’ fiches(0.5-page each) Pilot projects (0.5-page each) | tbd | In progress |
| 3 | Continental Task Forces | 1 | In progress |
| 4 | Conclusions and FPI way forward | 1-2 | In progress |
| | Appendix: Innovation Priorities list | 1-2 | |

National Pilots Report: GPFM Members' and Pilots' fiches


Present status of National Pilots
Report and **each member's
contribution** to the Members' and
Pilots' fiches

| |
|------------------|
| Completed |
| Almost completed |
| ongoing |
| ??? |
| Not involved |


| | GPFM Coalition member | Members' Fiches | Pilots' Fiches | Final review by mid-June | |
|---------------|-----------------------|-----------------|----------------|--------------------------|--|
| Core Team | China | | | | |
| | Italy | | | | |
| | UK | | | | |
| | Australia | | | | |
| | India | | | | |
| | Saudi Arabia | | | | |
| | Spain | | | | |
| | IRENA | | | | |
| | World Bank | | | | |
| | Alperia | | | | |
| | Areti | | | | |
| | Enel | | | | |
| | Goldwind | | | - | |
| | Icebreaker One | | | | |
| | Longi | | | - | |
| National Grid | | | | | |
| Support Team | Austria | | | | |
| | Brazil | | | | |
| | Canada | | | | |
| | EU* (CETP) | | | | |
| | Germany | | | | |
| | Japan | | | | |
| | The Netherlands | | | | |
| | Republic of Korea | | | | |
| | IEA | | | | |
| | BSI Group | | | | |
| | ENA | | | | |
| | GSE | | | | |
| | Terna | | | | |

National Pilots Report: GPFM Members

fiches exemples


Co-Lead

China



Decarbonisation targets (400-500 characters including spaces)
 China is firmly committed to combat climate change with ambitious carbon targets. By 2030, it aims for peak carbon dioxide emissions and carbon neutrality by 2060. By 2030, China has committed to reducing CO2 emissions per unit of GDP by over 65% from 2005 levels, while targeting a 25% share of non-fossil energy consumption. Plans include increasing forest stock by 6 billion cubic meters and exceeding 1.2 billion kilowatts in wind and solar power capacity. China's efforts reflect its crucial role in addressing climate change and pursuing sustainable development.


Main innovation activities (500-600 characters including spaces)
 China exemplifies an unwavering commitment to decarbonization through innovative initiatives. Ministry of Science and Technology of China supported various innovation projects in renewable energy, hydrogen technology, smart grid, and clean utilization of coal technologies. The projects received significant public funding, with a focus on areas like hydrogen energy, solar and wind coupling, smart grid technology, multi-user electricity consumption, off-grid housing energy storage, and zero-emission robotics. Additionally, China engaged in international cooperation with countries like the US, Japan, South Korea, and European nations to invest in energy efficiency, renewable energy, electric and hydrogen vehicles, clean thermo-electric technology, and other areas of mutual interest.

| Source | Percentage |
|-------------|------------|
| Coal | 63.5% |
| Hydro | 12.5% |
| Nuclear | 4.7% |
| Biofuels | 3.7% |
| Natural gas | 1.0% |
| Oil | 0.1% |
| Wind | 4.0% |
| Solar PV | 0.4% |


National Pilot:
 Project name / acronym
 Lorem ipsum dolor sit amet

Project short description (900-1100 characters)
 Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Sit amet commodo nulla facilisi. Enim blandit volutpat maecenas volutpat blandit. Convallis posuere morbi leo urna molestie. Ultrices vitae auctor eu augue. Potenti nullam ac tortor vitae purus faucibus. Dolor sed viverra ipsum nunc

0.5-page Country fiche: **China**


Core Member

Spain



Decarbonisation targets (400-500 characters including spaces)
 Spain's long-term objective is to achieve carbon neutrality before 2050 as established in the Law on Climate Change and Energy Transition. The Law encompasses key planning instruments such as the National Energy and Climate Plan 2021-2030 (NECP) and the Long Term Strategy 2050, which paves the way towards RIC objectives. The NECP includes policies and measures aiming at mitigate one in three tons of greenhouse gas emissions by 2030, reflecting an elevated level of ambition that overcomes the objectives of the European Union and the Paris Agreement.

Main innovation activities (500-600 characters including spaces)
 The achievement of energy and climate-related research, development and competitiveness objectives will be pursued by means of several activities. Those include the "strategic Project for the Recovery and Economic Transformation of Renewable Energies, Renewable Hydrogen and Storage (PERTE EHRA), that comprises specific aid programs to promote innovation in these sectors, as well as all the measures contemplated in the NECP RIC Dimension. Additionally, regulatory sandboxes are planned in the Law on Electric Sector to promote research and regulatory innovation in the sector.

| Source | Percentage |
|---------------|------------|
| Coal | 36.1% |
| Natural gas | 26.1% |
| Nuclear | 20.4% |
| Waste | 0.2% |
| Biofuels | 2.2% |
| Hydro | 12.0% |
| Solar PV | 7.9% |
| Wind | 22.6% |
| Solar thermal | 3.9% |
| Net import | 0.3% |
| Oil | 0.4% |

National Pilot:
 Project name / acronym
 Lorem ipsum dolor sit amet

Project short description (900-1100 characters)
 Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Sit amet commodo nulla facilisi. Enim blandit volutpat maecenas volutpat blandit. Convallis posuere morbi leo urna molestie. Ultrices vitae auctor eu augue. Potenti nullam ac tortor vitae purus faucibus. Dolor sed viverra ipsum nunc

0.5-page Country fiche: **Spain**


Support Member

Germany



Decarbonisation targets (400-500 characters)
 Germany is legally obliged to be carbon neutral by 2045. By 2030, emissions are to be reduced by 65 % compared to 1990. Six different economic sectors (Energy, Industry, Buildings, Waste, Transport and Agriculture) have binding emission targets for the years up to 2030. The emission limits have been further reduced compared to previous targets, and the biggest reductions are required from the energy and industry sectors. The climate targets will be kept under review through monitoring by a council of climate experts.

Main innovation activities (500-600 characters)
 Priority innovation activities are derived from the climate objectives. The revised energy research policy will focus on specific missions that will support the implementation of the climate goals through research, development and implementation (RD&I) actions with appropriate funding instruments. Particular emphasis will be given to the missions on heat transition, power transition, hydrogen and the holistic energy system. In addition, other missions on cross-cutting issues will support the increased efforts. The missions also follow the integrated and cross-sectoral approach of the RD&I actions link in Mission Innovation.

| Source | Percentage |
|---------------|------------|
| Coal | 30.2% |
| Natural gas | 34.1% |
| Oil | 0.8% |
| Waste | 2.1% |
| Biofuels | 2.3% |
| Nuclear | 11.6% |
| Hydro | 4.1% |
| Solar PV | 6.4% |
| Wind | 19.1% |
| Other sources | 0.2% |


National Pilot:
 Project name / acronym
 Lorem ipsum dolor sit amet

Project short description (900-1100 characters)
 Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Sit amet commodo nulla facilisi. Enim blandit volutpat maecenas volutpat blandit. Convallis posuere morbi leo urna molestie. Ultrices vitae auctor eu augue. Potenti nullam ac tortor vitae purus faucibus. Dolor sed viverra ipsum nunc aliquet bibendum. Praesent semper feugiat nibh sed pulvinar proin gravida hendrerit lectus. Id aliquet risus feugiat in ante metus dictum at. Pulvinar sapien et ligula ullamcorper. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Sit amet commodo nulla facilisi. Enim blandit volutpat maecenas volutpat blandit. Convallis posuere morbi leo urna molestie. Ultrices vitae auctor eu augue. Potenti nullam ac tortor vitae purus faucibus. Dolor sed viverra ipsum nunc

0.5-page Country fiche: **Germany**


National Pilots Report: GPFM Members and Pilots' fiches examples

Country & project fiche example: **Spain**



Core Member

Spain



Decarbonisation targets
Spain's long-term objective is to achieve carbon neutrality before 2050 as established in the Law on Climate Change and Energy Transition. The Law encompasses key planning instruments such as the National Energy and Climate Plan 2021-2030 (NECP) and the Long-Term Strategy 2050, which paves the way towards RIC objectives. The NECP includes policies and measures aiming at mitigate one in three tons of greenhouse gas emissions by 2030, reflecting an elevated level of ambition that overcomes the objectives of the European Union and the Paris Agreement.

Main innovation activities
The achievement of energy and climate-related research, development and competitiveness objectives will be pursued by means of several activities. Those include the Strategic Project for the Recovery and Economic Transformation of Renewable

Energies, Renewable Hydrogen and Storage (PERTE EHRA), that comprises specific aid programs to promote innovation in these sectors, as well as all the measures contemplated in the NECP RIC Dimension. Additionally, regulatory sandboxes are planned in the Law on Electric Sector to promote research and regulatory innovation in the sector.

| Source | Percentage |
|---------------|------------|
| Natural gas | 26.1% |
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| Oil | 0.8% |
| Net import | 0.3% |
| Solar thermal | 3.9% |
| Wind | 22.6% |
| Solar PV | 3.9% |
| Hydro | 12.0% |
| Nuclear | 20.6% |
| Biofuels | 2.2% |
| Waste | 0.7% |

Spain Pilot #1
Project name / acronym: FEDerated - system of systems- approach for flexible and interoperable energy Communities/ FEDECOM **2U H2020**

Project short description
Electricity can become the leading energy carrier, and it will, according to the EU-funded FEDECOM project. The team believes that power grids are going to be the backbone for the decarbonisation of all energy sectors, and aggregators will be the cornerstone enablers of the potential exploitation. Based on previous EU projects, the FEDECOM project aims to enable integrated local energy systems through sector coupling and cross-energy vector integration, increasing renewables' penetration. To do so, it will adopt

and maximise the potential synergies of direct and indirect electrification. The team's work will result in a scalable and adaptable cloud-based platform.


Main involved partners (max 10)
Giroa-Vesilia (ES), Tekniker (ES), Université Catholique de Louvain (BE), Fraunhofer (DE), Iberdrola (ES), R2M (ES), Grid Singularity (DE), PUPIN (RS), I. LECO (ES), ENBRO (BE), Smart Energy Europe (BE), Energies 2050 (FR), UR BEROA (ES)

Web link
<https://cordis.europa.eu/project/id/101075660>



Core Member

Alperia



Involved Sector
Alperia group contributes to Green Powered Future Mission as a Tier 1 industry member since 2021. Alperia will leverage on its track record and set of competences in the sector of energy generation; energy storage and sector integration (e.g. vehicle-to-grid); smart distributions grid and artificial intelligence.

Decarbonisation goals
Alperia aims to conduct a demonstrator project to enhance the integration of non-programmable renewable sources in the energy systems with a focus on mountain areas. The decarbonisation goals of the project include, but are not limited to: increasing renewable generation through floating PV and advanced forecasting in hydropower; improving energy storage solutions combining electrochemical, pumping and

vehicle-to-grid, self-consumption and integrating the above elements in the smart grid.

Main innovation activity
The project implements several different topics and priorities to test overall system flexibility objectives:

- Flexibility potential on hydropower plants also combined with storage solutions
- Power-to-mobility solutions in a self-consumption scheme to test flexibility from sector integration.
- Floating PV plants to be installed in existing water basins combined with self-consumption schemes.
- Grid infrastructure flexibility integrating diffused generation units and improved grid management.

Alperia Pilot #1
Project name / acronym: Energy Flexibility in mountain regions

Project short description
The project implements several different topics and priorities (referred to specific initiatives currently ongoing) to test overall system flexibility objectives:

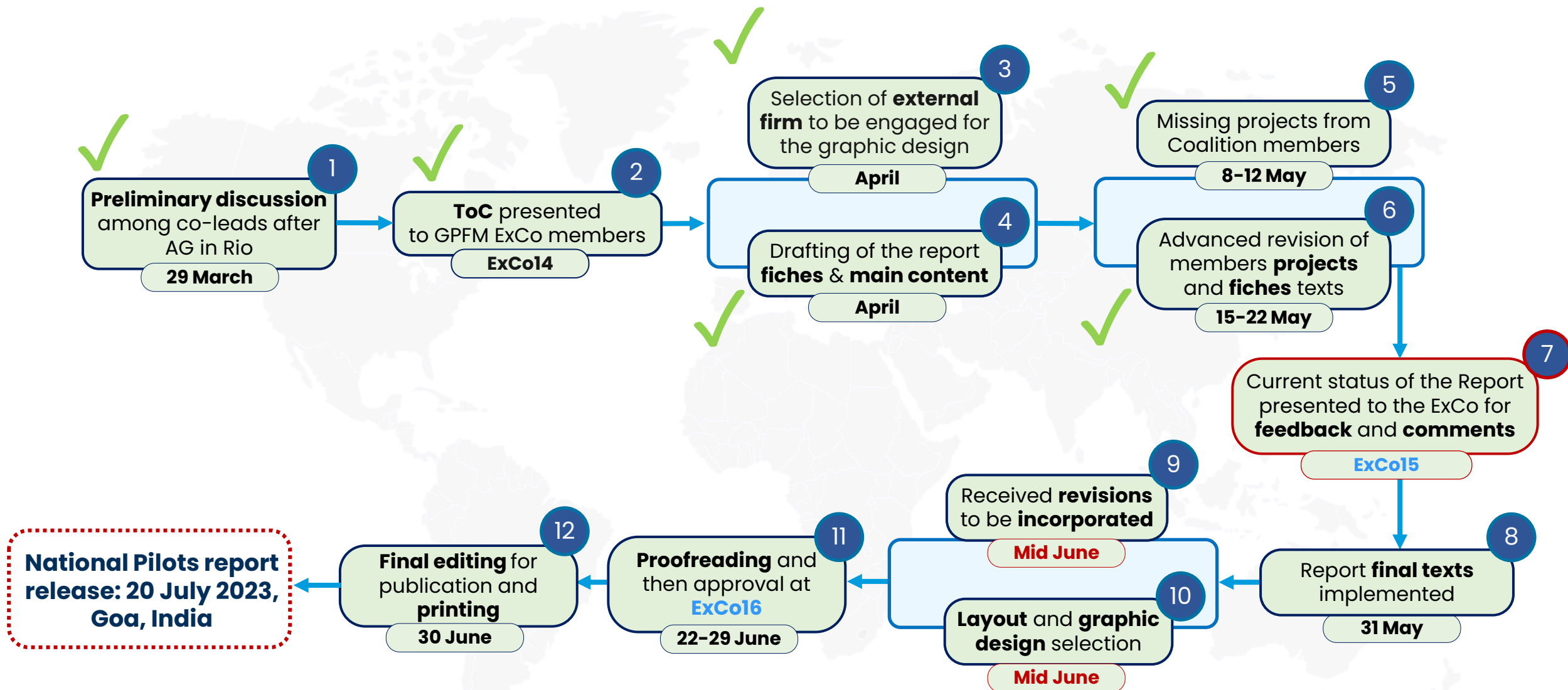
- Flexibility potential on hydropower plants thanks to a) more accurate water flow predictions and demand forecasting supported by Artificial Intelligence algorithms and b) storage solutions to be implemented in existing HPPs configuration with new Battery Energy Storage Systems or further exploited in case of existing pump storage plants.
- Power-to-mobility and power-to-x solutions in a self-consumption scheme connected to existing Hydropower or new PV plants to test flexibility from sector integration.

Main involved partners (max 10)
Alperia (IT), RSE (IT), others to be defined

Web link
[\[Link\]](#)

Private Sector & project fiche example: **Alperia**

Proposed timeline for National Pilots report



Feedback and open discussion

- Specific **questions/comments** about the Report?
- Are you **satisfied** by the reported information and content?
- Are you planning to send us **further information/inputs** to finalise the report?
- **Needed/required actions** from all GPFM members
- **Timeline**



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CETPartnership – GPFM Joint Call Module



- Joint Call Module 2023 (TRI 1-2 & MI)
- Call Module title: ***“Innovative solutions for system flexibility: renewables production, storage and system integration”*** ✓
- GPFM–CETP Call Module **timeline:**
 - Submission of the Call Module text on **21 April** ✓
 - CETP–GPFM **MoU ongoing dialogue**
 - Call Module pre-announcement by **July 2023** (by CETP and by GPFM in Goa)
 - Call open by **September 2023**

The Call Module mainly focuses on research and development, while demonstration and implementation are considered as subordinate.

The proper involvement in the consortia of private sector actors such as system operators, SMEs, spin-off companies, and Research Technology Organisations (RTOs) will be key to submit sound project proposals and to ensure that the selected projects are innovative, impactful, and scalable solutions.

4. Envisaged

4.1 of Call Mo

A total budget of a fe

4.2 of projects

We estimate that a proposals. Nonetheless different amounts.

4.3 of projects

We estimate that a proposals. Nonetheless different amounts.

1 Proposal content

1.1 Objectives for the Joint Call module

Through this joint Call Module, the CETPartnership TRIs 1, 2 and the Mission Innovation (MI) Green Powered Future Mission aims to support the transition of the energy system towards a decarbonized and resilient one. The MI GPFM aims to do this by supporting projects that can effectively integrate renewable energy generation mix, and make use of system flexibility.

This joint Call Module represents the implementation of the "Programme" to take the energy system decarbonization action forum held in Paris in 2022.

1.2 Technical co

This joint Call Module focuses on the integration of renewable energy into the energy system to deal with the challenges towards decarbonization enablers for the deployment of the submitted proposals.

The R&I Themes and initiatives have been selected with the aim of aligning with the Strategic Research and Innovation Agenda projects are therefore expected to be funded projects shall be:

1. Large-scale renewable energy production
2. Energy storage technologies
3. System integration
4. Innovative flexibility
5. Energy data management

More in detail, funded projects shall be:

1. Large-scale renewable energy production
2. Variable renewable energy production
3. Innovation in energy storage
4. Utility scale storage
5. System stability and resilience
6. Enhanced TSO-DSO cooperation

*In brackets the reference to the relevant R&I Theme and initiative.

Clean Energy Transition Partnership
TRI 1 and TRI 2
and
Green Powered Future Mission
“Innovative solutions for system flexibility: renewables production, storage and system integration”
Call Module Joint Call 2023 (TRI1-2 & MI)
April 2023

| | |
|------------------------|--|
| Internal Reference | |
| Deliverable No. | D 3.1 2023 |
| Deliverable Name | TRI 1-2 & MI: Call Module Joint Call 2023 |
| Responsible Entity | TRI 1-2 & MI Leading Expert(s) |
| Work Package | 3 Thematic management (Transition Initiatives) |
| Task | 3.1 3.1 TRI contribution to Joint Call definition and organization |
| Document (File): | D3-1 2023 TRI 1-2 Joint Call Scoping Input Paper 2023 |
| Issue (Save) Date: | 2023-04 |
| Target Audience: | TRI Partners, TRI Leading Experts, Coordination Team |
| Confidentiality (TLP): | Internal - Limited distribution |
| Dissemination Level: | CETPartners, CETPartnership Management Team, GPFM |

The Clean Energy Transition Partnership is a transnational joint programming initiative to boost and accelerate the energy transition, building upon regional and national R&I funding programmes. The initiative is receiving funding from the European Union's research and innovation programme "Horizon Europe" under grant agreement No. 101019718.

Joint Call Module 2023: <https://cetpartnership.eu/joint-call-2023-documents>

From MI GPFM – CETPartnership Joint Call Module text



*“The Call Module mainly focuses on **transnationality**, as it expects to engage with GPFM country member organizations, among which are included **extra-European countries** (countries outside the EU and not associated to Horizon Europe). Projects with partners **outside Europe** are expected **to foster the CETPartnership approach worldwide**, also contributing to link the GPFM Internet-based platform to the CETPartnership knowledge community.”*

Possibility to develop and sign an **MoU for collaborations** between **CETP** and **extra-UE** and **extra-Horizon partners**

GPFM Members Contribution to FP2

Basic info collected by means of the survey launched in February 2023 and ongoing discussions with GPFM Members

| GPFM Coalition member | | Possible contribution to FP2 | Confirmation Yes/No |
|-----------------------|-------------------|------------------------------|---------------------|
| Core Team | China | | |
| | Italy | | |
| | UK | - | |
| | Australia | | |
| | India | | |
| | Saudi Arabia | - | |
| | Spain | | |
| | IRENA | | - |
| | World Bank | | - |
| | Alperia | | - |
| | Areti | | - |
| | Enel | | - |
| | Goldwind | | - |
| | Icebreaker One | | - |
| | Longi | | - |
| National Grid | | - | |
| Support Team | Austria | | |
| | Brazil | - | |
| | Canada | | |
| | EU / CETP | | |
| | Germany | | |
| | Japan | | |
| | The Netherlands | - | |
| | Republic of Korea | | |
| | IEA | | - |
| | BSI Group | | - |
| | ENA | | - |
| | GSE | | - |
| | Terna | | - |

Open discussion:

Flagship Project 2 progress and the way forward



- GPFM Members' **commitment** to Flagship Project 2
- Possible **MoU** between **CETPartnership** and **GPFM extra-European countries**
- Pre-announcement at **CEM14/MI-8** in Goa
- CETPartnership **new calls announcement** in July
- **Call Module opening** in September



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- 14:20–14:30 **AOB and conclusions** (Continental Task Forces, UTM)

Plans for MI-8: GPFM announcements



1) FP1 “5 Demos in five continents”: **National Pilots Report** release

- Collated **info** and **main outcomes** from the **FP1 National Pilots survey**
- This Report will include:
 - Collated **National Pilots info**
 - Info on **Innovation Priorities coverage**
 - Dedicated section about **Continental Task Forces**



2) Pre-announcement of the **2023 joint open call** supporting FP2 “Multilateral Research Programme” in collaboration with **CETPartnership**



GPFM announcements

**Preliminary info
submitted to MI Sec**



| | |
|--|--|
| Announcement headline (if available) | FPI "5 Demos in five continents" first deliverable: National Pilots Report official release at CEM14/MI-8 in Goa |
| Announcement content | Progress update on the 5 demos in five continents sprint The National Pilots report is a GPFM highly collaborative achievement gathering contributions from its coalition members. This Report collects relevant information about 70+ GPFM members' ongoing and foreseen National pilot projects fully aligned with the GPFM scope and objectives. Pilot projects tackle one or more of the 50 Innovation Priorities identified in the mission's Action Plan 2022-2024 and constitute the building blocks of the GPFM FPI continental demos for Flagship Project 1 as announced at the GCEAF in Pittsburgh in September 2022. |
| Link to MI-8 theme (highlight one) | Theme 1: Advancing the continuum of R&D towards pilot demonstration on clean energy technologies Theme 2: Extending the reach of MI to make clean energy accessible and affordable energy for all Theme 3: Supporting the next cohort of innovative companies |
| Who is expected to make the announcement and when (if foreseen) | Co-leads HoD will make the announcements in Goa that will be reaffirmed by the GPFM Director and Pillar Leads at the Joint MI-GPFM & CEM-ISGAN side event (if confirmed) |
| Date until which the information is embargoed | Yes, the information should be embargoed till 19 July |
| Any further information | The 5 demos in five continents sprint was launched in the fall 2022. For Goa, the Mission will release a report that provides information on each of the national pilot projects identified and elaborated on the GPFM's continental task forces to monitor progress and foster info sharing among national pilots. The Mission has set up 3 Continental Task Forces to monitor the progress and foster info sharing among national pilots contributing to FPI continental demos. |
| Contact details for the announcement lead | Luciano Martini, GPFM Director E-mail: luciano.martini@rse-web.it Viktoriiia Fedorova/Gloria Scalco, GPFM Comms Team Email: viktoriiia.fedorova@rse-web.it / gloria.scalco@rse-web.it |

GPFM announcements

**Preliminary info
submitted to MI Sec**



| | |
|--|---|
| Announcement headline (if available) | Formalization of the MI GPFM – CETPartnership collaboration and launching of the Joint Call module supporting FP2 “Multilateral Research Programme” |
| Announcement content | Pre-announcement for the GPFM’s multilateral research program The Mission Innovation (MI) Green Powered Future Mission (GPFM) and the CETPartnership are establishing an effective collaboration, formalized by means of an MoU, by launching a dedicated joint open Call Module on “Innovative solutions for system flexibility: renewables production, storage and system integration” . This joint Call Module is aimed to increase opportunities for international cooperation and represents the implementation of the GPFM Flagship Project 2 (FP2) “Multilateral Research Programme” to take forward a selection of the identified Innovation Priorities for power system decarbonization and transformation. |
| Link to MI-8 theme (highlight one) | Theme 1: Advancing the continuum of R&D towards pilot demonstration on clean energy technologies Theme 2: Extending the reach of MI to make clean energy accessible and affordable energy for all Theme 3: Supporting the next cohort of innovative companies |
| Who is expected to make the announcement and when (if foreseen) | MI countries HoD (e.g., from EC, IT, DE, AT, ...) as well as the GPFM Director and co-Leads at the Joint MI-GPFM/CEM-ISGAN side event (if approved) |
| Date until which the information is embargoed | Yes, the information should be embargoed till July when also the CETPartnership will announce the new calls opening in September 2023. |
| Any further information | GPFM will be working with the CETPartnership to deliver a joint call module. The joint funding call will be announced in Goa. The funding call is expected to be open for applications by September 2023. |
| Contact details for the announcement lead | Luciano Martini, GPFM Director E-mail: luciano.martini@rse-web.it Viktoriia Fedorova/Gloria Scalco, GPFM Comms Team Email: viktoriia.fedorova@rse-web.it / gloria.scalco@rse-web.it |

CEM14/MI-8: Side events

2 submitted proposals from CEM side on **27 April**:

■ CEM-ISGAN & MI-GPFM Joint event

“CEM ISGAN – MI GPFM collaboration for power system transformation, with special focus on policy and private sector engagement”

■ ISGAN-21CPP-GPFM-RD20 Joint event

“CEM-MI collaboration for technology innovation and implementation, policy, and regulatory actions to rapidly decarbonize power systems”

This 2 side events are **expected to be approved** shortly by **Indian Host** and **CEM/MI Sec**

| CEM14 Side-Event Proposal Form | |
|---|---|
| PROPOSAL FOR CEM14 SIDE EVENT (Submit one form for each proposed event) Submission Deadline: April 27, 2023 | |
| Basic Information | |
| 1. Title of event | “CEM ISGAN – MI GPFM collaboration for power system transformation, with special focus on policy and private sector engagement” |
| 2. Submitting member, organization(s) and/or CEM workstream(s) – Include all groups organizing the event. | CEM – International Smart Grid Action Network (ISGAN) MI – Green Powered Future Mission (GPFM) |
| 3. Event point of contact – Include name, title, organization, email address, and phone number with country code. | |
| 4. Alternate point of contact – the point of contact will <u>not</u> be present in person for the event, please list an alternate in-person contact, including the above contact details. | |
| 5. Expected participants and audience members – Include name, title, organization, role and confirmation status. Please also describe expectations for diversity of your participants. | |

| CEM14 Side-Event Proposal Form | |
|--|--|
| PROPOSAL FOR CEM14 SIDE EVENT (Submit one form for each proposed event) Submission Deadline: April 27, 2023 | |
| Basic Information | |
| 1. Title of event | “CEM-MI collaboration for technology innovation and implementation, policy, and regulatory actions to rapidly decarbonize power systems” |
| 2. Submitting member, organization(s) and/or CEM workstream(s) – Include all groups organizing the event. | ISGAN 21CPP MI GPFM RD20 |
| 3. Event point of contact – Include name, title, organization, email address, and phone number with country code. | Jong Cheon (Sky) Son ISGAN Co-Secretariat, Korea Smart Grid Institute Email: jcson@smartgrid.or.kr ; jong.cheon.son@gmail.com Tel: +82 10 9572 0908 |
| 4. Alternate point of contact – if the point of contact will <u>not</u> be present in person for the event, please list an alternate in-person contact, including the above contact details. | Doug Arent 21CPP Operating Agent Executive Director of Strategic Public-Private Partnerships, NREL Email: Doug.Arent@nrel.gov Tel: +1 303 359 7627 |
| 5. Expected participants and key audience members – Include name, title, organization, role, and confirmation status. Please also describe expectations for diversity of your participants. | Luciano Martini GPFM Director, Ricerca sul Sistema Energetico (RSE), Italy E-mail: Luciano.martini@rse-web.it Tel: +39 3291726104 |
| 5. Expected participants and key audience members – Include name, title, organization, role, and confirmation status. Please also describe expectations for diversity of your participants. | Target speakers/panelists/discussants: <ul style="list-style-type: none">• HoDs from countries having a leading role in ISGAN, 21CPP, GPFM, and RD20• Business leaders from private sector (e.g., DSO, RES manufacturers, etc.)• IEA and/or IRENA• RD20• ISGAN Vice Chairs (Arun Mishra, India; Russ Conklin, U.S.)• 21CPP Operating Agent (Doug Arent)• GPFM co-Leads (Yibo Wang, China; Luciano Martini, Italy)• ISGAN, 21CPP, GPFM, and RD20 Coalition Members |

Plans for MI-8: Side events' highlights



ISGAN-GPFM Joint event

“CEM ISGAN – MI GPFM collaboration for power system transformation, with special focus on policy and private sector engagement”

- **ISGAN-GPFM collaboration** and releasing of grid-related joint documents
- Release of the GPFM **FPI National Pilots Report**
- Pre-announcement for the 2023 open call supporting GPFM **FP2 “Multilateral Research Programme”**
- **Private Sector Engagement Roundtable with CEOs/CTOs and Minister-Level/Senior Officials**
- **Spotlight on India:** exemplary of Innovation programmes and initiatives
- **Asian Demonstration launching:** from national pilots to Continental Demo

ISGAN-21CPP-GPFM-RD20 Joint event

“CEM-MI collaboration for technology innovation and implementation, policy, and regulatory actions to rapidly decarbonize power systems”

- Opening remarks and **challenges** towards **power systems decarbonization**
- **Keynote**/scene setting presentation by IEA/IRENA
- **ISGAN-21CPP-GPFM-RD20 highlights:** innovation strategy, main activities, and related outcomes
- **High-level Roundtable on Power** (~50mins)
- Concluding remarks/key recommendations

MI Steering Committee 10 May 2023

MI-8 Goa, India – 19 to 22 July 2023



- **Virtual/hybrid participation:** At present only physical participation.
- **Invitations**
 - Ministers/Heads of Collaborating Organisations will receive personalised letters from Govt of India by **15 May 2023**.
 - Senior Representatives/other delegates will be invited to register once the registration opens.
- **Registration**
 - The Secretariat will provide a list of MI points of contact to be invited to register.
 - The registration will open by **22 May 2023** and close on **21 June 2023**.
- **Logistics**
 - Procedures for Hotel bookings, process of visa letters, registration and accommodation (Logistic notes) will be shared by **26 May 2023**.
- **Communication**
 - **Website:** Under development and will be launched by **20 May 2023**.
 - **Branding:** An event logo will be launched by **20 May 2023**.

*Info by MI Sec at the
**MI Steering Committee
Call on 10 May 2023***

GPFM engagement and contribution at MI-8 in Goa (India)



- Identify **co-Leads** and **ExCo members** that could **participate physically** to the CEM14/MI-8 event in Goa
 - Identify **key persons** for the main **high-level announcements and contributions** and for the participation in roundtables/plenary sessions/side events
- Keynotes, Invited speakers, panelists for joint side event(s)
- ...

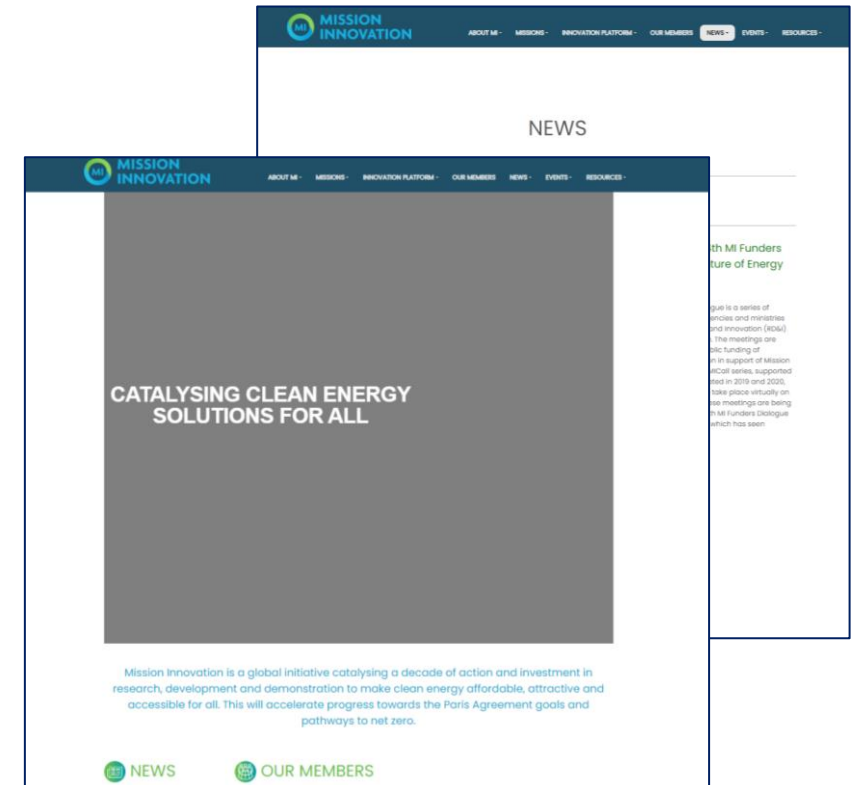


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Main Comms activities

- Close interaction with **MI Sec** and **MI Comms Team**
- **New approach** to collect info about the Missions activity/achievements to be promoted and published through **MI social media channels** every month
- Provided inputs and suggestions for the **new MI website**
 - Urgent need for a **new, modern and user-friendly MI website**
 - **New website** will be launched **shortly**



GPFM LinkedIn Page

- **Current status:** more than 640 followers
 - Ongoing activities on LinkedIn:
- Presentation of the **GPFM coalition members** on LinkedIn through a series of dedicated posts:

- GPFM Coalition overview ✓
- Co-Leads presentation ✓
- **Core Team/Support Team** presentation

If your Country/organization is organizing or participating in **specific events presenting/possibly linked to the GPFM**, we would be happy to prepare a **dedicated post** to be published on our GPFM page



Main Comms activities in preparation for CEM14/MI-8 in Goa

Promotion of the **GPFM participation** at CEM14/MI-8 in Goa:

- **Announcements** to be published on **Mission Innovation website**, **MI newsletter** and other **social media channels** (LinkedIn, Twitter, etc).

Plan to promote any **GPFM-related side events** on our LinkedIn Page:

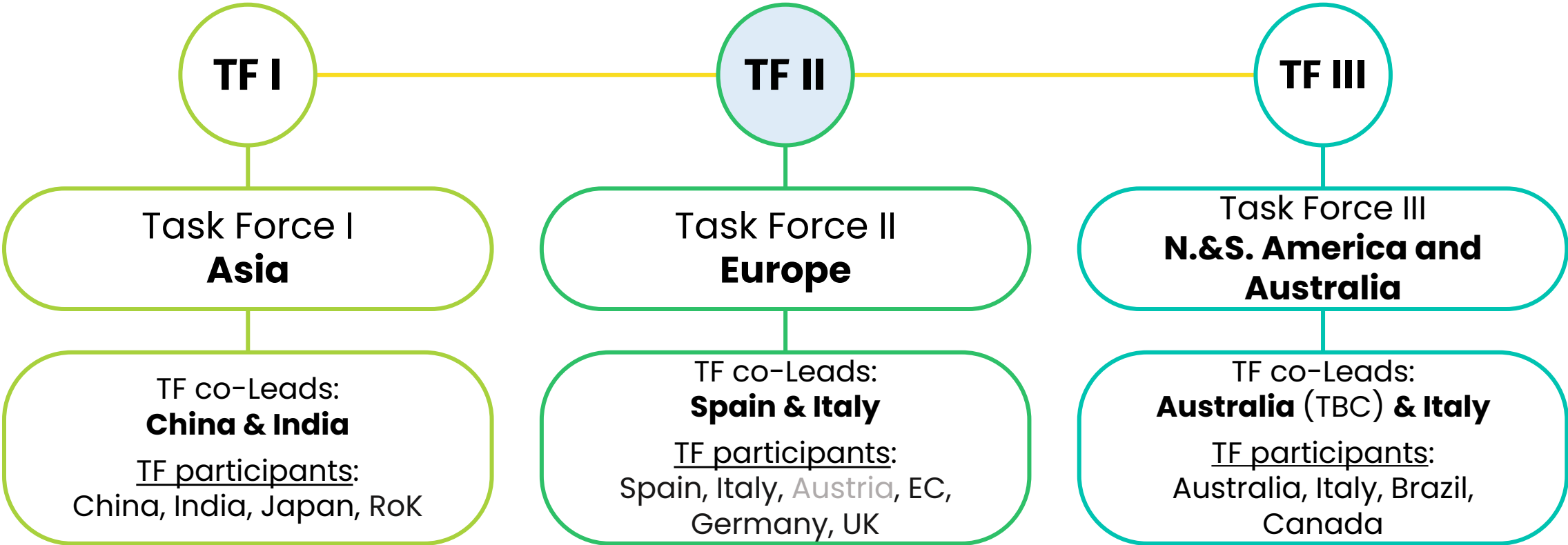
- LinkedIn posts to attract and raise awareness on **MI/CEM initiatives**;
- **Re-post** of LinkedIn and Twitter posts related to the event (e.g., by MI and CEM) for **comments** and **interactions**;
- **Follow-up LinkedIn posts** to report key messages and main outcomes from the event(s).



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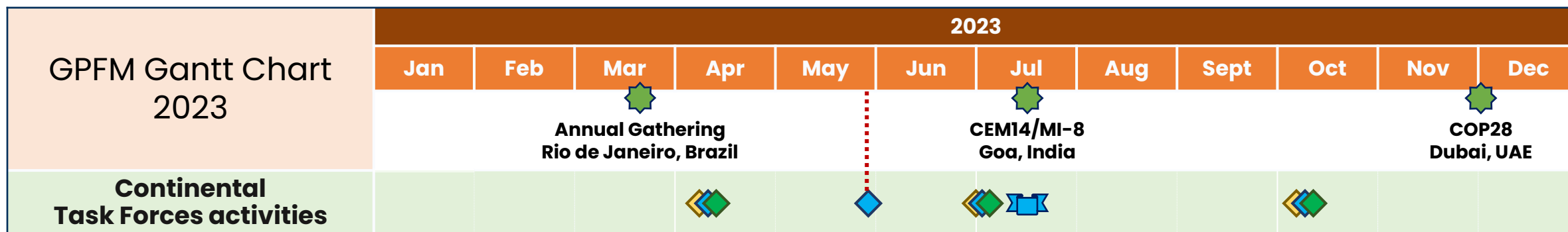
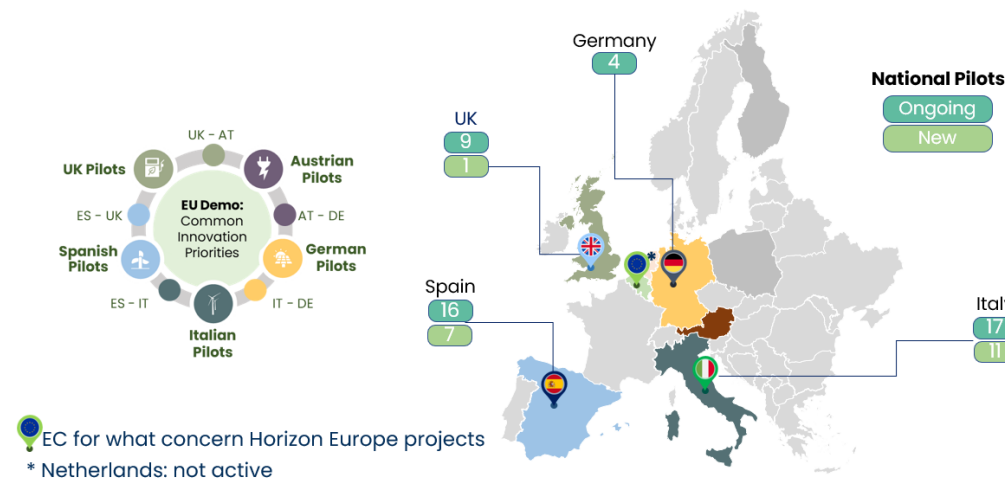
FPI Continental Task Forces Leads



TF II 1st Operational call on 31 May

FPI Task Force II Europe

- TF co-Leads: Spain & Italy
- First **Task Force II Europe** meeting on 31 May (*draft agenda will be circulated shortly*)

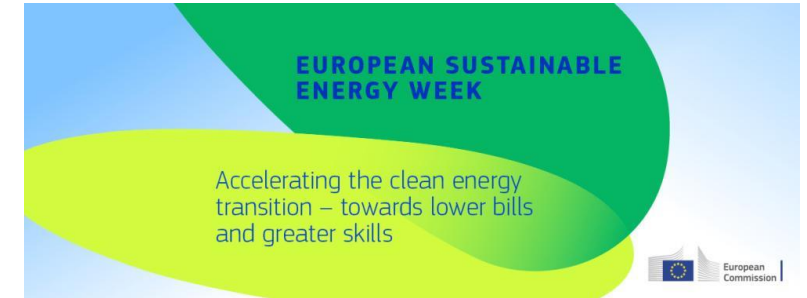


Collaboration with Urban Transitions Mission



Several possibilities to organize joint GPFM-UTM side event(s) during the year:

- Short joint event back-to-back to **EUSEW** on **20-22 June** in Brussels
- Invitation as panelist to **GPFM & ISGAN** joint side event during **CEM14/MI-8** in Goa and vice versa
- Joint GPFM – UTM side event(s) during **MENA Climate Week** in Riyadh, Saudi Arabia on 9-12 October (!)
- Plans for **COP28** in Dubai, UAE on 30 Nov-12 Dec 2023



ExCo16 meeting

June 2023

| Mo | Tu | We | Th | Fr | Sa | Su |
|----|----|----|----|----|----|----|
| 26 | 27 | 28 | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 1 | 2 |

July 2023

| Mo | Tu | We | Th | Fr | Sa | Su |
|----|----|----|----|----|----|----|
| 26 | 27 | 28 | 29 | 30 | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 1 | 2 | 3 | 4 | 5 | 6 |

Need to select the most suitable day for the next **ExCo16** Meeting
ExCo16 will be dedicated to the **FPI National Pilots Report approval**



**GREEN POWERED
FUTURE**
MISSION

Thank you for your attention

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Mattia Cabiati **Pillar 2** lead

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