



GPFM: Task Force II Europe preparatory meeting

3 April 2024

Luciano Martini
Mission Director



Agenda & Participants

Agenda:

- Task Force II Europe: 2024 timeline
- Pilots' progress monitoring: template for project updates
- Preparation for the upcoming meeting and date selection
- AOB

Participants:

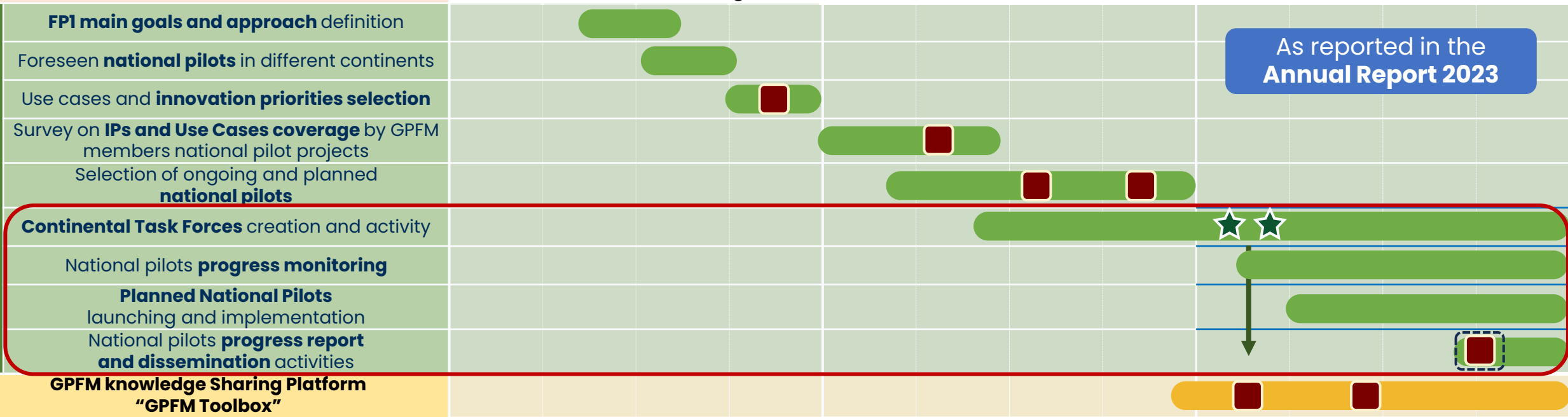
Oscar Izquierdo Monge, Luis Santos Moro, Felix Tellez

Luciano Martini, Mattia Cabiati, Viktoriia Fedorova, Gloria Scalco,
Omar Pasqualotto

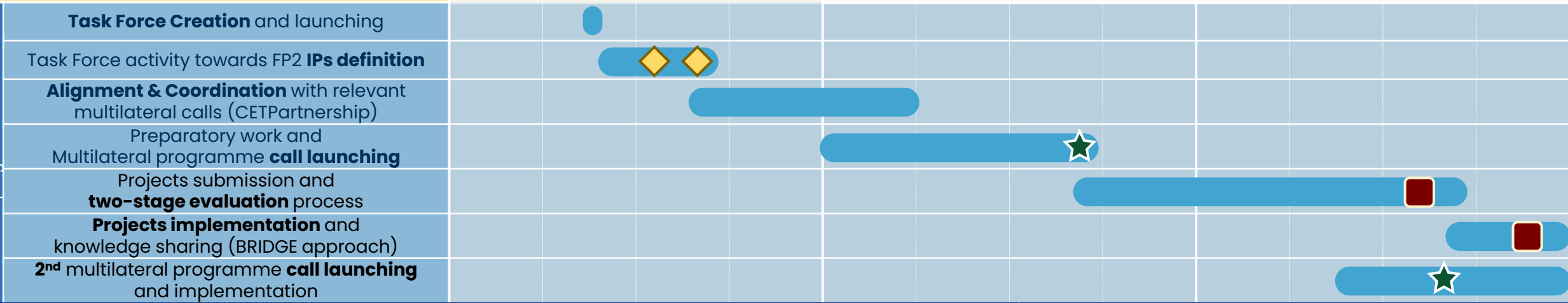
Flagship Projects key Milestones: 2022-2024

2022				2023				2024			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Jan-Mar	Apr-Jun	Jul-Sept	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sept	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sept	Oct-Dec
	Annual Gathering New Delhi	CEM13/MI-7 Pittsburgh		Annual Gathering Rio de Janeiro		CEM14/MI-8 Goa	COP28 UEA				CEM15/MI-9 Brazil

FP1: 5 demos in five continents



FP2: Multilateral Research programme



Legend: 🌟 CEM/MI event ⬡ Consensus meeting ■ Periodic events ★ Launching activities


Task Force foreseen activities: proposed approach by Italy co-lead

As TF co-leads we should:

- Distribute **filled-in pilots' templates** among TF members and encourage them to:
 - Update a template with **relevant information** on the different ongoing and future pilot projects reported in the National Pilots Report
 - Compile a PowerPoint template to present the project updates during the Task Force II meetings
- Identify and start engaging **project coordinators** who could provide more **specific information** and details about their projects across the different phases (*launch, study, simulation, implementation, experimental activity, demonstration, dissemination*);
- Organize **periodic calls** to make pilots' updates every **4-6 months**

Output progress (in terms of deliverables, not time)	20-50%
	Cybersecurity standards for OT protocols and related communication performance impact assessments. Quantum authentication and cyber defense protocols for electrical networks/micro-grids. Tools for the automatic detection of cybersecurity vulnerabilities of internet connected control devices.

Pilot project information	
GPFM member	Italy - Ministry of Environment and Energy Security (MASE)
Project identifier	11 - Italy 5
Project name / acronym	Cyber Security of Energy Systems
Project short description	The integrated project on the cybersecurity of energy systems involves the three Italian research institutions, RSE, ENEA and CNR (and their associated universities and research entities) in achieving the strategic objective "Grid digitization and evolution" of the Research Program Agreement 2022-2024. The project activities are aimed at experimenting mature cybersecurity technologies in significant application cases for the energy transition and at evaluating innovative technologies and platforms. The objective of the experimental track is to provide the stakeholders involved in the digitalization process with tools and assessments that facilitate the adoption of cybersecurity measures in energy control devices and infrastructures. The developments relating to the innovative technologies will make it possible to drive the solutions engineering according to their effective capability to improve the cybersecurity level of energy applications, also in relation to the evolution of the cyber threat landscape.
Starting date	Q1 2022
Ending date	
International Cooperation	
Funding scheme	
Project budget (M€)	
Initial TRL level	
TRL level to be achieved	
Project coordinator	
Main actors	



TF II Draft template to report to TF meeting

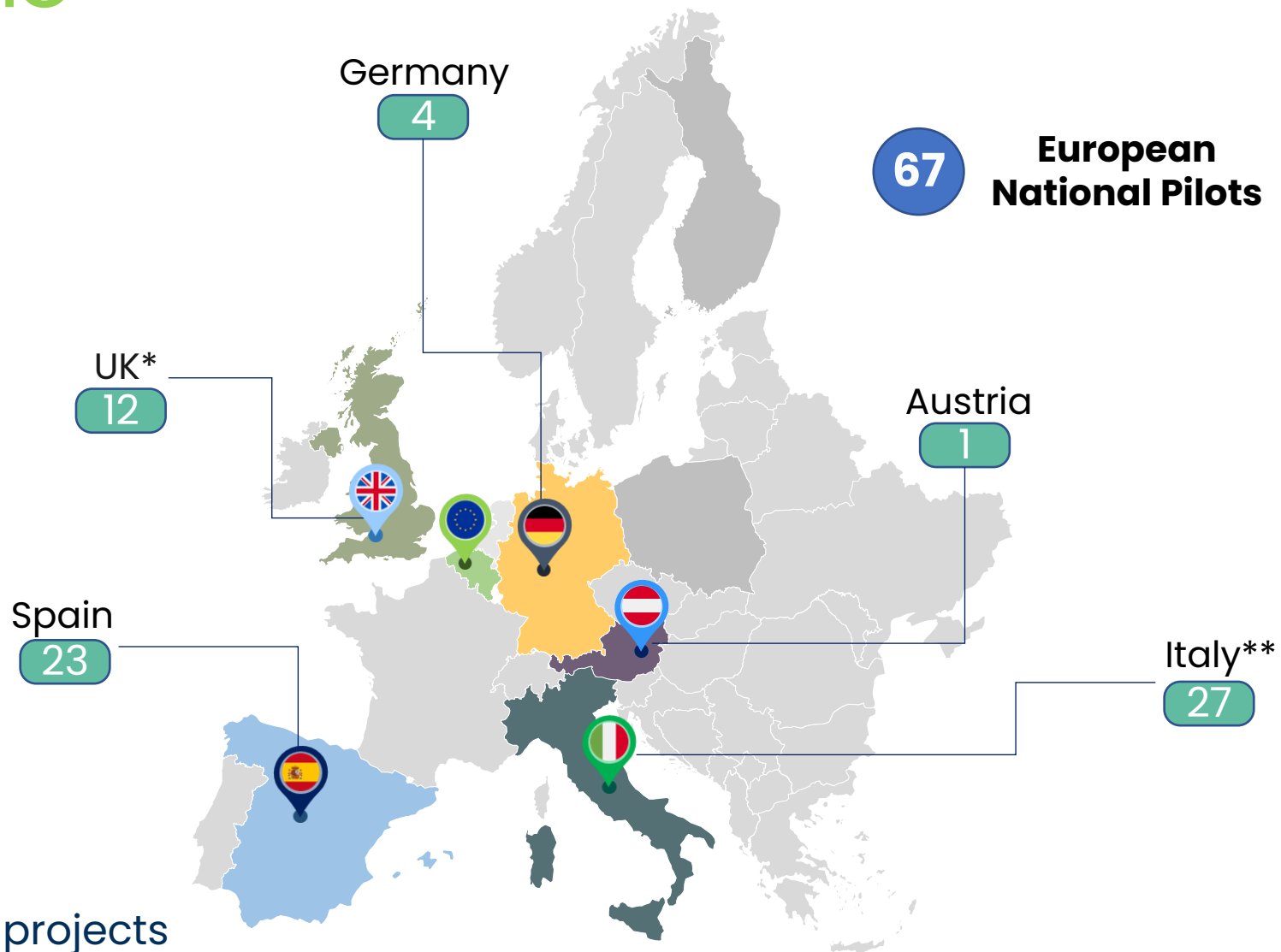
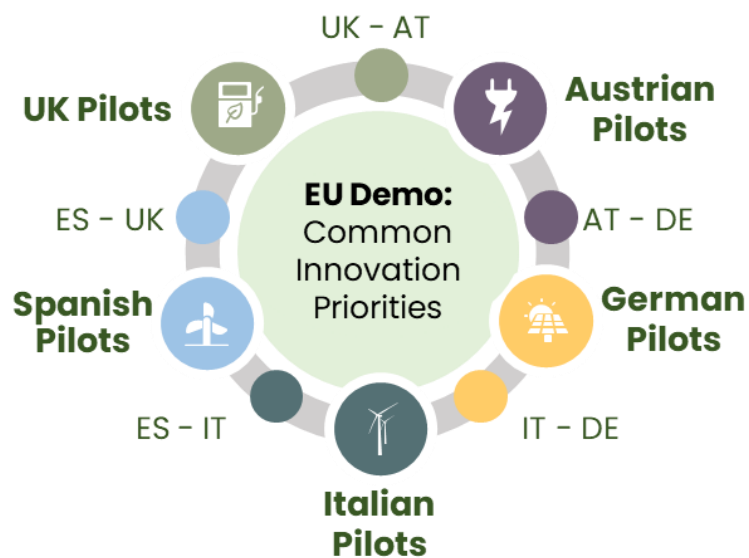
GPFM: Task Force II Europe members' update

yyy date

yyy name
Task Force II member



FPI: European Demo



EC for what concern Horizon Europe projects

* including projects from IBI, National Grid

** including projects from Alperia, Areti, GSE, ENEL, Terna

GPFM: Task Force II Europe members' update

yyy date

yyy name

Task Force II member



FPI Task Force II Europe (1/4)

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<p>Lead: Country</p> <p>TF II Members: Austria, EC, Germany, UK, Alperia (IT), Areti (IT), Enel Grids (IT), Icebreaker One (UK), National Grid (UK), BSI (UK), ENA (UK), GSE (IT), Terna (IT)</p>	<p>Main outcomes for the period and next steps – Q4/'23 (Oct. – Dec.), Q1/'24 (Jan. – Mar.) Q2/'24 (Apr. – June), Q3/'24 (July – Sept.)</p> <p>1. Main outcomes with respect to the info reported in the National Pilot Projects Report of July 2023</p> <ul style="list-style-type: none"> • • • • •
<p>Project highlights:</p> <ul style="list-style-type: none"> • Contact person/ organization: • Title/acronym: • Phase: (launch, study and simulation, implementation, etc.) • Budget: xyxy M€ (0-5 M€, 5-10 M€, ...) 	

FPI Task Force II Europe (2/4)

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Main outcomes for the period and next steps –

Q4/'23 (Oct. – Dec.), Q1/'24 (Jan. – Mar.), Q2/'24 (Apr. – June), Q3/'24 (July – Sept.)

2. Achievements ready to be uploaded in the GPFM toolbox

Please insert **title and short summary** for each achievement (up to 500 characters)

FPI Task Force II Europe (3/4)

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Main outcomes for the period and next steps –

Q4/'23 (Oct. – Dec.), Q1/'24 (Jan. – Mar.), Q2/'24 (Apr. – June), Q3/'24 (July – Sept.)

3. Next actions and foreseen activities

FPI Task Force II Europe (4/4)

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Main outcomes for the period and next steps –

Q4/'23 (Oct. – Dec.), Q1/'24 (Jan. – Mar.), Q2/'24 (Apr. – June), Q3/'24 (July – Sept.)

4. Main synergies with other R&I projects

By co-Leads with members' support

FPI Task Force II Europe: notes

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Please feel free to add here any notes you believe are relevant about your project



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**TF II Draft template to
report at TF meeting**

Thank you for your attention

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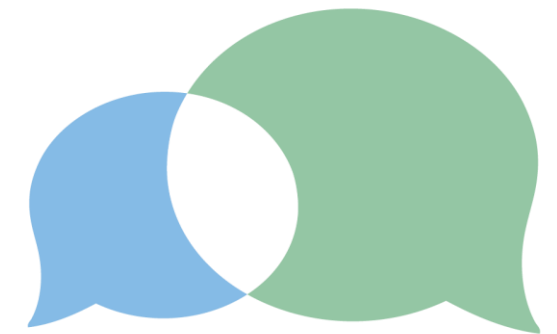
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Task Force II Europe meeting: Date selection

Need to select the most suitable date for the next TF II Europe meeting among the following options:

- Tuesday 16 April, 14:00–15:30 CEST
- Friday 19 April, 10:30–12:00 CEST



Pilots' progress monitoring: open discussion

- First needed actions:
 - Define the **first set** of pilot projects to be updated
 - Update information and pilot progress by the end of April
 - Explore possibilities to showcase the selected projects at the MI Annual Gathering (6–8 out of 65+ in EU)
- Ways to effectively **involve**:
 - TF members to support the monitoring activity
 - Pilot projects “owners” (*Coordinator, WP leaders, technical experts*) to gather direct information
- How to best **elaborate the collected information** to be presented:
 - National Pilots Progress Report
 - Fact sheets
 - GPFM knowledge sharing platform / GPFM Toolbox
- **GPFM deliverables** at CEM15/MI-9
 - Advance with the number of pilots' projects to reach 50–60% by early September
 - Analyze and present main findings/outcomes at the Ministerial meeting in Brazil



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Thank you for your attention

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