

TR1, TRI 2 & MI GPFM

JC 2024 - Projects ONBOARDING Meeting

CM2024-02 and CM2023-02 Energy system flexibility: renewables production, storage and system integration

Online | 15 April 2026 | h 10:00 – 13:00

Agenda

10:00	OPENING THE DOORS	
10:00	Welcome and introduction	Rachele Nocera (MUR - Ministry of University and Research, Italy)
10:10	Clean Energy Transition Partnership	TRI 1 Michele De Nigris (Research on Energy System, Italy) TRI 2 Francesco Basile (University of Bologna, Italy)
10:20	Green Powered Future Mission	Luciano Martini (Research on Energy System, Italy, MI GPFM Director)
TECHNOLOGY AREA – Storage		
10:30	HYDROMINE - Pumped HYDROelectric Storage in post MINed areas to support regional net-zero emission energy systems development (JC 2023)	Wroclaw University of Science and Technology - Przemyslaw Moczko (Poland)
	Core-H2Storage - Cost-, resource- and energy-efficient storage of hydrogen at ambient temperature and a maximum pressure of 3.5 MPa (JC 2023)	Eva Schieferstein - Fraunhofer Gesellschaft (Germany)
	ZEBRA - Zinc-ion Efficient Battery for Reliable Automotive charging infrastructure (JC 2024)	Ron Ablinger - AIT Austrian Institute of Technology (Austria)
TECHNOLOGY AREA - Flexibility		
10:45	ProRES – System resilience for flexibility & stability (JC 2024)	Filip Prössl Andrén – AIT Austrian Institute of Technology (Austria)
	EMPEDOFLEX – Positive Energy District flexibility optimisation (JC 2024)	Matteo Zatti – LEAP Piacenza (Italy)
	FlexBIT - Flexibility Exploitation for residential, tertiary and industrial buildings (JC 2023)	Pio Alessandro Lombardi – Fraunhofer IFF (Germany)
	STORE - Grid stability through AI-driven energy system integration: supermarkets as flexible prosumers (JC 2023)	Elena Hofer - Technische Hochschule Ingolstadt (Germany)
	FLEXI - Human-centered AI and digital twin powered energy system integration for flexibility markets (JC 2024)	Sashko Ristov – University of Innsbruck (Austria)
	CoEnerBuild - Buildings’ virtual power plant towards	Christos Mademlis – Aristotle University of

	carbon-neutral electricity and grid resilience (JC 2023)	Thessaloniki (Greece)
	DSM4Islands – Demand-side management for islanded grids (JC 2023)	Thomas Ackermann – EnergyNautics GmbH (Germany)
Coffee break (11:20-11:30)		
TECHNOLOGY AREA - Power electronics, grid stability		
11:30	TenSyGrid - Tensors for System Analysis of Converter-dominated Power Grids (JC 2023)	Carlos Cateriano Yáñez – Fraunhofer IWES (Germany)
	NU-ACTIS – Advanced control for inverter-dominated systems (JC 2024)	Stefan Stankovic – RISE Research Institutes of Sweden (Sweden)
	FLEXIGRID - Flexible Future Power-Electronics Dominated 100% Renewable Grids (JC 2024)	Paolo Mattavelli - University of Padova (Italy)
	MITIGATE – HARM - MITIGATE HARMONics in power electronics-based power systems (JC 2024)	Aleksandra Letic – TU Delft (the Netherlands)
	FLEXDIS – Flexible distributed generation and demand to enhance power system stability (JC 2023)	Marc Cheah-Mane – CITCEA-UPC (Spain)
	LVLV – Voltage volatility mitigation in low-voltage grids (JC 2024)	Stefan Uebermasser – AIT Austrian Institute of Technology (Austria)
BREAK OUT SESSIONS		
12:05	Room 1 – STORAGE Room 2 – FLEXIBILITY Room 3 – POWER ELECTRONICS, GRID STABILITY	
12:45	WRAP UP	
13:00	END OF THE MEETING	