



# ECOS2023

Efficiency, Cost, Optimization, Simulation and Environmental Impact of energy systems conference

June 25-30, 2023, Las Palmas de Gran Canaria



## Decarbonising off-grid and remote communities through hybrid hydrogen-battery storage systems: the experience from the REMOTE project

*Held in the framework of the 36<sup>th</sup> international ECOS conference*

Thursday **June 29th, 2023** | **9.00 am to 1.00 pm**

**Auditorio Alfredo Kraus**, Las Palmas de Gran Canaria

### Join us

Register here



### Join us in streaming\*

Register here



\*Online participation is free of charge

### Find more about the project!



*The project is supported by the Clean Hydrogen Partnership and its members Hydrogen Europe and Hydrogen Europe Research.*



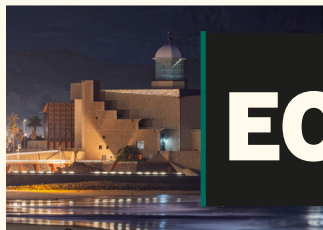
**Politecnico di Torino**



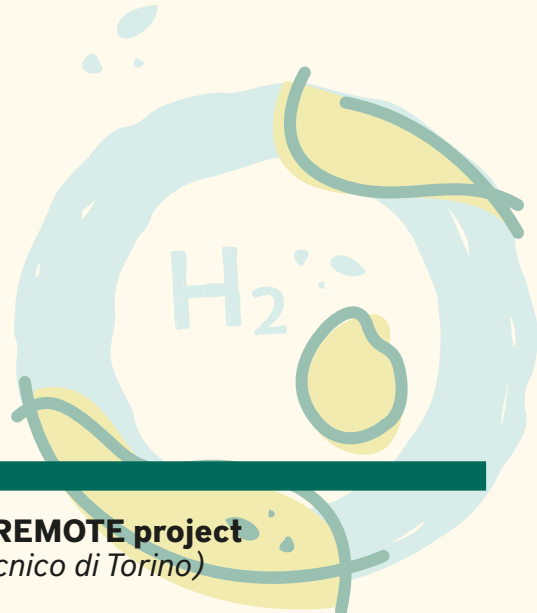
**Clean Hydrogen Partnership**



**Co-funded by the European Union**



# ECOS2023



## Agenda

### 09.00- 09.20 **Hydrogen and its role in P2P systems: the REMOTE project**

*Massimo Santarelli, Project Coordinator (Politecnico di Torino)*

### 09.20- 09.40 **Hydrogen role in the EU energy transition**

*Dionisis Tsimis, Project Officer (Clean Hydrogen Partnership)*

### 09.40- 10.40 **Results from the REMOTE DEMO sites**

DEMO Norway	09.40 - 10.00	<i>Bernhard Kvaal (TronderEnergi/Aneo)</i>
DEMO Greece	10.00 - 10.20	<i>Alexandros Kafetzis (CERTH)</i> <i>Kyriakos Panopoulos (CERTH)</i> <i>Stella Chatzigavriel (Horizon)</i>
DEMO Spain	10.20 - 10.40	<i>Laura Villacian Pascual (Inycom)</i>

### 10.40-10.50 **Q&A Session**

### 10.50- 11.20 **Coffee Break**

### 11.20- 11.40 **Performance of hybrid hydrogen-battery storage systems for isolated communities: data from the field experience**

*Domenico Ferrero (Politecnico di Torino)*

### 11.40- 12.00 **Optimal sizing of off-grid renewable-based multi-energy systems**

*Paolo Marocco (Politecnico di Torino), Kyrre Sundseth (SINTEF)*

### 12.00- 12.20 **Control strategies for off-grid renewable-based energy systems**

*Alexandros Kafetzis (CERTH), Kyriakos Panopoulos (CERTH)*  
*Stella Chatzigavriel (Horizon), Santiago Díaz Ruano (ITC)*

### 12.20- 12.40 **Environmental assessment of off-grid renewable-based energy systems**

*Kyrre Sundseth (SINTEF), Marta Gandiglio (Politecnico di Torino)*

### 12.40- 12.50 **The REMOTE experience: conclusions & next steps**

*Massimo Santarelli, Project Coordinator (Politecnico di Torino)*

### 12.50-13.00 **Q&A Session**

For more information: [remote@polito.it](mailto:remote@polito.it)



[ecos2023.com](https://ecos2023.com)

