

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 36th international ECOS conference

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

Auditorio Alfredo Kraus, Las Palmas de Gran Canaria

Join us

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Join us in streaming*

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*Online participation is free of charge

Find more about the project!



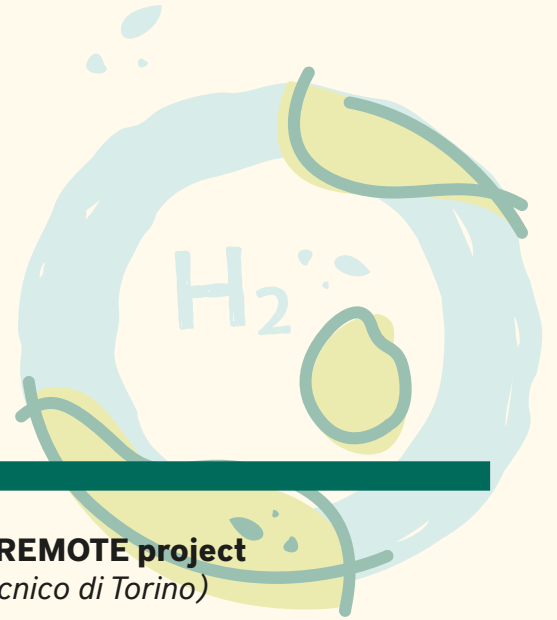
Politecnico
di Torino



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Agenda

09.00 - 09.30 **Hydrogen and its role in P2P systems: the REMOTE project**

Massimo Santarelli, Project Coordinator (Politecnico di Torino)

09.30 - 10.00 **Hydrogen role in the EU energy transition**

Dionisis Tsimis, Project Officer (Clean Hydrogen Partnership)

10.00 - 11.00 **Results from the REMOTE DEMO sites**

DEMO Norway	10.00 - 10.20	<i>Bernhard Kvaal (TronderEnergi/Aneo)</i>
DEMO Greece	10.20 - 10.40	<i>Alexandros Kafetzis (CERTH) Kyriakos Panopoulos (CERTH) Stella Chatzigavriel (Horizon)</i>
DEMO Spain	10.40 - 11.00	<i>Laura Villacian Pascual (Inycom)</i>

11.00 - 11.30 Coffee Break

11.30 - 11.50 **Performance of hybrid hydrogen-battery storage systems for isolated communities: data from the field experience**

Domenico Ferrero (Politecnico di Torino)

11.50 - 12.10 **Optimal sizing of off-grid renewable-based multi-energy systems**

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

12.10 - 12.30 **Control strategies for off-grid renewable-based energy systems**

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

12.30 - 12.50 **Environmental assessment of off-grid renewable-based energy systems**

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

12.50 - 13.00 **The REMOTE experience: conclusions & next steps**

Massimo Santarelli, Project Coordinator (Politecnico di Torino)

For more information: remote@polito.it



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