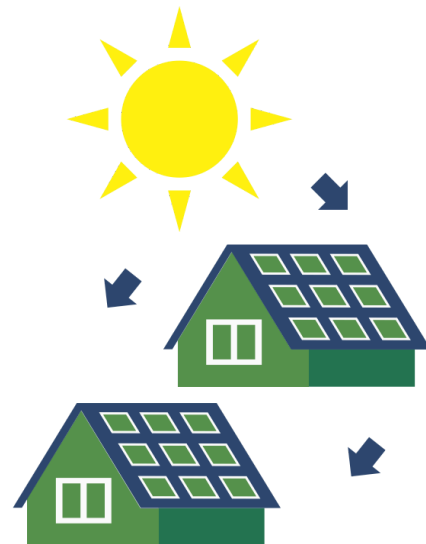


Supporting Energy Communities

OPERATIONAL RESEARCH
AND ENERGY ANALYTICS



CHIST-ERA SECOREA Wrap-Up Workshop (2nd & 3rd December 2024)

The CHIST-ERA SEC-OREA hybrid two-day workshop at University College Dublin brought together diverse perspectives on enabling the clean energy transition and supporting Energy Communities. The event featured insightful discussions, including presentations by **Mohammad Saffari** and **Anandhi Parthiban** from the [HYSTORE EU Project](#) on multi-vector energy system optimization and thermal energy storage solutions; **Fabiano Pallonetto** from [IRESI](#) on wind generation challenges, energy consumption behavior, and AI-powered energy management systems; and **Paul Noonan** from *UCD Estates* on district heating networks and cost-emission co-optimization strategies. Topics covered ranged from multi-vector energy system optimization, wind generation challenges, and energy management strategies, to innovations in district heating networks and community engagement strategies for sustainable energy consumption.

Day 2 of the workshop facilitated collaboration across the SEC-OREA work packages, emphasizing the role of data integration, optimization approaches, and incorporating stakeholders' concerns. A strong emphasis was placed on addressing challenges like renewable energy integration, investment in energy-efficient systems, and achieving sustainability goals. The event underscored the importance of interdisciplinary dialogue, hands-on planning, and collaborative efforts toward a sustainable energy future.