



POLITECNICO
MILANO 1863

DIPARTIMENTO DI ELETTRONICA
INFORMAZIONE E BIOINGEGNERIA

June 10th 2024
h 9.00 a.m.

In the framework of 3E- Partnership project

Decarbonization

Scenarios in Europe:

Methods and Tools for

the Energy Transition

Maurizio Belfanti, Department of Energy, Politecnico di Milano

The webinar will delve into various scenarios for achieving a low-carbon future, emphasizing the integration of renewable energy sources, advancements in energy storage, and the implementation of smart grid technologies. Participants will gain insights into the latest research and practical applications of decarbonization strategies, supported by case studies from leading European nations.



The seminar will cover a comprehensive range of topics, including the role of policy frameworks in facilitating the energy transition, the economic impacts of decarbonization, and the technological innovations driving change. Attendees will also learn about the challenges and opportunities associated with transitioning to a low-carbon economy, including the need for cross-sector collaboration and public engagement.

Prof. Maurizio Delfanti will present on the development and application of modeling tools that predict energy demand and supply dynamics under various decarbonization scenarios. These tools are crucial for designing effective policies and strategies that ensure energy security while minimizing environmental impacts. A focus will be dedicated to the practical implementation of the TIMES model to the Italian NECP (National Energy and Climate Plan).

The webinar aims to equip participants with the knowledge and resources needed to contribute to Europe's decarbonization efforts, fostering a sustainable energy future. By promoting dialogue and knowledge exchange, the event seeks to build a robust network of stakeholders committed to achieving Europe's climate and energy goals.



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