



SPECIAL SESSION XXVII

PNRR PE2 Spoke 8
Final use optimization, sustainability & resilience
in energy supply chain:
a right track for a greener future

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ABSTRACT

The activities are focused on the sustainable energy optimization in the final use, ensuring sustainable and resilient energy management, energy consumptions, energy generation, energy distribution and uses. Europe wastes at least 20% of its energy due to inefficient components and systems. Final use optimization is a crucial principle that looks to the next generation considering basic energy-saving and cost reduction principles, including environmental protection, sustainability, resilience, and climate neutrality.

One of the challenges of the European Energy Policy (Energy Efficiency First) is to turn Europe into a highly energy-efficient and net zero CO₂ energy economy, catalyzing a New Industrial Revolution, accelerating the change to decarbonization and, over a period of years, dramatically increasing the amount of local, low emission energy that we produce and use, and highlighting that RES are the key to change. This huge renovation must also consider sustainability and resilience in the energy supply chain, which is of utmost importance to modern societies highly dependent on continued access to energy services.