

Success for 2025 workshop
The MILLENNIUM CLEAN and SUSTAINABLE POWER
4-5 September 2025
Università di Genova - Scuola Politecnica

The joint workshop between the **Network for Energy Sustainable Transition (NEST)** and the **Low Emission Advanced Power (LEAP) Forum**, held on 4 and 5 September 2025 at the **University of Genoa - Polytechnic School**, ended with excellent results.

The event, entitled “**The Millennium Clean and Sustainable Power Workshop 2025**”, provided a unique opportunity to discuss emerging technologies, applied research and sustainable energy transition.

In line with the activities of the NEST programme, the workshop saw significant participation from experts, researchers, companies and stakeholders who animated plenary sessions, workshops and round tables, addressing key topics such as decarbonisation, renewables, process digitalisation and new models of cooperation between research and industry.

A high-level discussion

The conference featured four plenary sessions with 22 high-level presentations, enriched by international contributions from Malaysia, Mozambique, China, Sweden, Belgium, Denmark and the United States, as well as the presentation of important projects by Italian organisations such as Stam, FBK, Blue Energy Revolution, Baker Hughes, Port System Authority, Fincantieri, Ansaldo Green Tech, RINA and Turboden.

At the same time, 29 conference sessions were held, with 71 delegates presenting innovative solutions in the fields of research and development, in close synergy with the activities of the NEST Spokes.

Gabriella Scapicchio, General Manager of Fondazione NEST, said: *“Fondazione NEST, with over €118 million in funding and 24 key partners, is committed to creating Italian leadership in the energy transition by combining scientific excellence, technological innovation and social impact.*

The Millennium Clean and Sustainable Power Workshop 2025 reflects our belief that sustainable energy transformation requires teamwork, partnership and international dialogue. The future of clean energy will be based on knowledge sharing, collaboration and the power of people”.

These are the words of **Prof. Alberto Traverso of the University of Genoa**: *‘It is with great pleasure that the University of Genoa and the Thermochemical Power Group have successfully hosted the Low Emission Advanced Power Cycle (LEAP) 2025 conference, part of ‘The Millennium Clean and Sustainable Power Workshop’, an event promoting the NEST project. The LEAP conference, launched for the first time in June 2010 by the University of Genoa (IT) and the National Energy Technology Lab (US), has always been the ideal venue for academics and industry professionals involved in the development of energy technologies to share ideas, perspectives, issues and opportunities in a highly qualified and scientifically recognised environment, with the possibility of spontaneous presentations and interventions.*

This year, the synergy with the NEST event has made it possible to integrate additional presentations on hydrogen into the conference, as well as members from different sectors. In this regard, I would like to acknowledge the organisational efforts of NETL (US), DLR (D) and Politecnico di Milano (IT), which chaired the LEAP sessions during the two days of the conference. We believe that clean and accessible energy sources, together with advanced energy conversion technologies, are fundamental to a sustainable and peaceful future, for which we work passionately every day”.

A look to the future

The conference provided an important opportunity for networking and sharing experiences, offering an up-to-date overview of regulations, emerging technologies and concrete projects already underway in Italy and abroad. Prominent speakers from academia, associations and businesses helped to outline scenarios and prospects for the future of the sector.

The conclusion of the event confirms NEST LEAP as a point of reference for the scientific and industrial community, with the aim of continuing the path of growth and discussion already begun in this edition.

Further details and information are available at:

<https://tpg.unige.eu/nest-leap-2025>

NEST - Network 4 Energy Sustainable Transition - is one of the 14 large extended partnership projects selected by the Ministry of University and Research (MUR), funded by the European Union - NextGenerationEU - within the framework of Mission 4, Component 2, Investment 1.3 of the PNRR, with the aim of funding basic research projects to strengthen national research chains and promote their participation in strategic European and global value chains.