



Regional research and innovation hub

“Energy, Environment, Sustainable Development”

Research and industry. Together. An ecosystem for innovation of the productive system.

Ticass - Tecnologie innovative per il controllo ambientale e lo sviluppo sostenibile (Innovative Technologies for Environmental Control and Sustainable Development) is a non-profit consortium company established in Genoa (Italy) in 2010.

It is the managing body of **EASS**, the research and innovation hub of the Liguria region (NUTS2: ITC3).

The **mission** of the hub (meeting point between research and industry) is to stimulate, in agreement with the regional authority, the local system of **innovation** and the processes of **technology transfer** in the challenging thematic areas: **environment, bioeconomy, energy, hydrogen** and **materials**.

The United Nations sustainable development goals, the European Commission's guidelines and the regional strategy for smart specialization of Liguria provide an important reference for **EASS** with regard to the thematic areas in which the hub operates.

In response to the growing social and technological complexity of innovation, and in order to promote the experiences and the complementarity of its members, the hub has created an **innovation ecosystem** by supporting the development of sustainable solutions for the growth and the competitiveness, also at an international level, of the companies and the area, through activities of:

- **Networking**, to promote technological, skill-related and human synergies, at regional, national and international level;
- **Training**, for professional training and skills development;
- **Communication**, in relation to the results of research projects, the evolution of technologies and the innovation experiences, also through the organization of events and workshops.

ASSOCIATES

The hub associates about 100 SMEs and large companies, foundations and research centers such as the University of Genoa, the National Research Council, the Italian Institute of Technology. Associates collaborate in various strategic sectors such as ecological transition and represent a network of skills and excellence in the domains of energy, environment and sustainable development.



Scan the code and access the complete and updated list of our members!

OPERATIONAL DOMAINS

EASS ENVIRONMENT

Water: management, control, treatment
Waste and effluents: management, control, treatment
Contaminated sites: management, control, treatment
Monitoring: urban, port, coastal areas
Climate change and ecological transition
Environmental risk: analysis, prevention, reduction

EASS BIO ECONOMY

Green chemistry
Applications for energy production
Industrial applications
Food applications
Biotechnology
Bio-based products

EASS ENERGY

Energy efficiency
Production of energy from renewable sources
Sustainable use of fossil fuels
Smart grid
Accumulation of energy

EASS HYDROGEN

Production of blue hydrogen and green hydrogen
Carbon capture
Transport, distribution, accounting
Hydrogen storage
Use of hydrogen
Technological auxiliaries

EASS MATERIALS & MANUFACTURING

New materials: preparation and characterization
Bio-materials
Nano-materials
Functionalized materials
Sensors and biosensors
Additive manufacturing

EASS LAB.NET

technical and environmental services

Supply of integrated technical-environmental services offered to members, through an extensive network of laboratories, specialized companies and research infrastructures.

EASS ACADEMY

Continuous updating of the human resources of companies through training initiatives and seminars on the thematic areas of reference and on key technologies.



Managing body of the EASS Innovation hub

TICASS - Tecnologie innovative per il controllo ambientale e lo sviluppo sostenibile scrl

learn more... www.poloeass.it

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