



## WHO WE ARE

### Coordinator

Politecnico di Torino - PoliTO (Italy)

### Partners

Mediterranean Universities Union - UNIMED (Italy)

Universitat de Barcelona - UB (Spain)

Evora University - UE (Portugal)

University of Tripoli - UoT (Libya)

Zawia University- ZU (Libya)

Misurata University - MU (Libya)

Sirte University - SU (Libya)

Sebha University - SeU (Libya)

## CONTACT US

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## THE PROJECT

Enbrain is a capacity building project co-funded by the Education, Culture and Audiovisual Executive Agency (EACEA) from the European Union under the Erasmus + Key Action 2 - Cooperation for innovation and the exchange of good practices.

In line with the 2030 Agenda for Sustainable Development and its focus on people, the cross-cutting role of human capital becomes crucial to achieve a transformative change in energy – one that is efficient, effective, equitable, empowering, and long lasting.

## GENERAL OBJECTIVES

1. Raise awareness about the importance of a multidimensional approach to the global energy challenge;
2. Reinforce the role of Libya universities to promote energy transition within the multidimensional targets of sustainability;
3. Promote the emergence of a new class of thinkers able to cope with global energy challenges, envisage future targets for local community, support institutions in decision-making, engage citizens in sustainable practices.

## SPECIFIC OBJECTIVES

1. Design of a Master in Renewable and Sustainable Energy with a multi-level approach to capacity building;
2. Development of an open platform to engage citizens in renewable and sustainable energy via the creation of a MOOC for citizens.

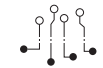
## MASTER IN RENEWABLE AND SUSTAINABLE ENERGY

### Renewable energy & efficiency



Understanding the basic physics of renewable energy generation. Energy storage technologies. Design and sizing of renewable energy systems. Energy efficiency in buildings and industry.

### Emerging technologies & infrastructures



Integration of renewables in the power systems. Smart grids. Grid flexibility. Demand side management. ICT for energy efficiency. Integrated infrastructure for the energy transition.

### Sustainability



Climate change. Energy-climate-development nexus. Energy, water and food. Socio-economic impacts of energy projects.

### Economics, market & regulation



Energy economics. Energy markets. Regulation of energy markets. Business models.