

BIP General presentation

General Information
Dates for physical activity: July 11 th -15 th , 2022
Proposed period for virtual component: May 2022 – December 2022
Location of physical activity: Turin (Italy) – Campus Luigi Einaudi – University of Turin
Target audience / Participant profile: Master students. Multidisciplinary approach. Technical profile (physics, chemistry, engineering, biology, geology, agronomy) and social-economic profile (sociology, politics, law, economics).
No. of ECTS issued: 3 ECTS
Language of instruction: English
Requirements: Master degree students
Organizing board : Scientific Committee USMB (Benoit Stutz) UBI (Antonio Cardoso) UNITO (Marcello Baricco) UNIZAR (José Angel Peña) UVT (Daniel Vizman) UPPA (Christine Lartigau) Organizing committee UNITO (Stefano Ferraris, Elio Dinuccio, Sergio Vinciguerra, Nadia Barbero) UBI (not yet defined) USMB (Emilie Planes) UNIZAR (Jesús Pérez Torrente) UVT (Corina Ilin) UPPA (Christine Lartigau)
Program
Title: Renewable energy for the mountain territories
Short description: The summer school “Renewable energy for the mountain territories” aims to provide basic information to renewable energies to be connected to the mountain territories. The school will start with a general introduction to renewable energies. Then, it will span on the different energy production techniques (i.e. solar-photovoltaics, hydroelectric, geothermal, wind, bio). Energy storage approach (e.g. pumping, batteries, hydrogen as an energy carrier) will be shortly presented. Social aspects related to the development of energy communities will be a part of the teaching program. Project-based learning connected to a territorial issue is planned. Visits to local plants for renewable energies management will be also organized. The summer school will be held in Torino (Italy) for 5 days, from July 11th to July 15th, 2022. The school will be carried out in the Erasmus frame, and it will be delivered in English. Master students will be engaged on a multidisciplinary basis. 20 students are expected in total, from UNITA Universities.
Proposed schedule: Lectures, visits to RE plants, project activities, gaming, connections with industries and territories. Arrival Sunday (Welcome party) - Lectures in the morning - Activities in the afternoon and evening (visits to RE plants) - Social activities (mountain museum, cinema museum) - Departure Saturday – Free time
Invited guests/speakers/experts (if any): Teachers will come from UNITA Universities.
Application procedure

Requirements: Bachelor Degree in any discipline.

How to apply: Request form to be filled (google form). Motivations for request in a half page in English. Average marks. Other criteria to be defined.