



UNIVERSITÀ DEGLI STUDI
DI TORINO



Blended intensive programme

Renewable energy for the mountain territories

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: Bachelor Degree in any discipline. The BIP is open to Master's degree students only.	
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	
<p>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.</p> <p>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.</p>	
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.	