CALL FOR APPLICANTS

Course Mode	Blended Intensive Programme (BIP)		
Course Title	**PV&EC Winter School (Photovoltaic and Energy Communities)**		
Admission Profile	Engineering degree students with technical training who wish to acquire a specialization or updated practical training in Photovoltaics and Energy Communities		
Hosting Institution	University of Ljubljana (UL, Slovenia)		
Participant Institutions	**Organizer Institution:** University of Ljubljana (UL, Slovenia) **Co-organizers Institutions:** N/A **Partners Institutions:** University of Evora (UE, Portugal) Aarhus University (AU, Denmark) Universidad Politécnica de Madrid (UPM, Spain)		
Total number of participants per institution:	The numbers of participants agreed by the program partners are the following: - Universidad Politécnica de Madrid 7 students - University of Evora 8 students **Note**: The BIP is open to a maximum of 15 participants. In case one of the above Universities should have less students than the maximum allowed, the places left will be made available to other universities in order to reach the planned number of participants.		
Number of ECTS	3		
Language of the Programme	English		
Teaching Hours in Presence Mode	98%		
Teaching Hours in Virtual Mode	2%		
Start and End Date of the Virtual Part	20th -20th Jan 2025	**Place**	MS TEAMS or ZOOM
Start and End Date of the in-Presence Part	27th - 31tst Jan 2025	**Place**	Faculty of Electrical Engineering, University of Ljubljana, Tržaška cesta 25, Ljubljana, Slovenia

Introduction

The University of Ljubljana jointly with the University of Evora, the Polytechnic University of Madrid and the Aarhus University offer their students the opportunity to participate in a Blended Intensive Program. The Blended Intensive Program is officially approved by the EU in the framework of the ERAMSUS+ 2021/2027.

BIPs are one of the new and innovative formats of student mobility introduced by the new Erasmus+ 2021-2027 Program. These programs, jointly developed by multiple higher education institutions, feature advanced and innovative pedagogical approaches that combine short-term face-to-face (physical) mobilities with virtual learning.

BIPs are inherently transnational and transdisciplinary, as curricula are developed and taught together by partner institutions in different countries. The combination of in-person and virtual learning spaces allows students and professors to experience and exchange highly collaborative, challenge-based, and research-steeped methods of teaching and learning.

Summary

Introduction to the BIP

The course is divided into 5 days with field visits and classroom classes whose learning outcomes are described as follows: The Energy Communities (EC) programme is interdisciplinary, encompassing both social and natural sciences, whereas the Photovoltaics (PV) programme has a stronger focus on technical subjects. Therefore, the PV&EC Winter School is particularly well-suited for students from technical disciplines.

Contents

Module 1 - Monday

Number of hours (VT.- Virtual Theory, VP. - Virtual Practice, PT.- in Presence Theory, in Presence Practice)	VT	VP	PT	PP
9:00 Assembly of participants in the main foyer of the Faculty of Electrical Engineering **9:30** Welcome by Prof. Dr. Marko Topič, Dean of the Faculty of Electrical Engineering and a short presentation of the local energy community AURORA, which in Ljubljana is named Student Energy Club / Študentski energetski klub ŠEK. **10:00** Detailed presentation of the Student Energy Club: establishment, purpose, modus operandi, social media activities, website, live events, activities for the general public, etc. **13:00** Lunch **14:00** Lecture and lab work on the fundamentals of photovoltaics, which is taught at the Faculty of Electrical Engineering at the first level of studies **17:00** Closing and free time for participants -			x	

Module 2 - Tuesday

9:00 Guest lecture on the importance of local energy communities and Citizen Science; Martin Brocklehurst Kempley GREEN Consultants, Board Member European Citizen Science Association, Chair of the Board Citizen Science Global Partnership **13:00** Lunch **14:00** Lecture lab work on the fundamentals of photovoltaic systems, which is taught at the Faculty of Electrical Engineering as a first cycle course **17:00** Closing and free time for participants -			x	

Module 3 - Wednesday

9:00 Meeting in front of the Faculty of Electrical Engineering. **9:30** Departure by bus to Zlatoličje (150 km away). **11:00** Guided tour of the largest hydro power plant in Slovenia (Zlatoličje) and the solar power plant next to it. **14:00** Lunch **15:30** Return to Ljubljana			x	x

17:00 Arrival in Ljubljana and free time for participants				
Module 4 - Thursday				
9:00 Lecture and lab work on the design of photovoltaic power plants, which is taught at the first level of study at the Faculty of Electrical Engineering **10:00** Guided tour of the Laboratory for Photovoltaics and Optoelectronics and the solar power plant on the roof of the Faculty of Electrical Engineering **11:30** Lecture on the O&M of photovoltaic power plants, which is taught at the Faculty of Electrical Engineering at the first level of study **13:00** Lunch **14:00** Lecture on the EoL, recycling/reuse of photovoltaic components, which is a first-level course at the Faculty of Electrical Engineering **17:00** Closing and free time for participants -			x	x
Module 5 - Friday				
9:00 Discussion of the topics covered during the PV&EC Winter School and presentation and assignment of the topics to be covered in the final session. **10:00** Semi-group and mentor-led production of individual final works **13:00** Lunch **14:00** Finalisation of the individual final works **15:00** Presentations of individual final works **17:00** Closing and free time for participants -			x	x

Selection Criteria	To apply for this program, students must be regularly enrolled at one of the participating universities. Participation to the program is open to students of any discipline connected with contents related to the BIP.
How to Apply	Students interested in participating should fill out the application form, as well as insert the required documents in the link: https://siiue2.uevora.pt/
Selection criteria and procedures	An appointed Committee of the University of Évora will carry out the selection procedures. Selected students must communicate their acceptance or withdrawal within 5 days from the publication of the selection results by contacting their university program coordinator. Selected students will be contacted with further instructions upon completion of the selection procedures.
Financial Support	The attendance of the Blended Intensive Programme may be covered by an ERASMUS+ SMS Short Mobility Grant for all mobile students (excluding students from the hosting University). This financial support may only be guaranteed by the selected student's home University. The University of origin of each selected student is fully responsible for the management of the financial aspects of the mobilities in accordance with the provisions of the competent ERASMUS+ National Agency. No financial support is foreseen for University of Ljubljana (hosting institution) students as they will not be travelling for the purposes of participation in this program (non-mobile participants).

	Please refer to your local coordinator or Erasmus/International Relations Office for any further information related to the financial support made available
Contacts	**University of Ljubljana (Coordinators)** Prof. Boštjan Murovec bostjan.murovec@fe.uni-lj.si Prof. Matej Guštin matej.gustin@fe.uni-lj.si **University of Évora** Dr. Luis Fialho lafialho@uevora.pt Dr. Afonso Cavaco acavaco@uevora.pt
Additional information	N/A