



Partner Presentation Form

Name of the organisation :	Università degli Studi di Perugia	
Address:	P.zza Università 1, 06100 Perugia	
Tel:	075 5853740	
Fax:		
Web site:	www.unipg.it	

Name of the contact person :	Linda Barelli	
Function:	Associate Professor	
Address:	Dipartimento di Ingegneria - via G. Duranti 93, 06125 Perugia	
Tel:	075 5853740	
E-mail:	linda.barelli@unbipg.it	

Type of organisation:

SME School University Public Authority
 Training No Profit NGO

Other (Specify)

Fields of action:

SMEs Youth Universities Public Authorities
 Equal opportunities Schools Unemployed

Other (Specify)

Description of the organisation

The University of Perugia (UNIPG) is a public higher education institution founded in 1308. It is one of the oldest universities in Europe. Besides the headquarters are placed in the beautiful city of Perugia, the University offers study programs also in other towns from region Umbria: Assisi, Foligno, Narni and Terni. Nowadays, Unipg is an active and dynamic human environment, involving about 23,500 students, 1,100 professors and researchers and 1,000 staff members.

Research, education and consulting activities are organised in 16 Departments: Agricultural, Food and Environmental sciences; Chemistry, Biology and Biotechnology; Civil and Environmental Engineering; Economics; Engineering; Experimental medicine; Humanities, Ancient and modern Languages, Literature and Cultures; Law; Mathematics and computer sciences; Medicine; Pharmaceutical sciences; Philosophy, social sciences and education; Physics and geology; Political Sciences; Surgery and biomedical sciences; Veterinary. Recently, Unipg has undertaken a broad renewal of degree curricula. The aim is to prepare students to meet labour market demands and to satisfy the needs for innovation expressed by employers in both the private and the public sectors. With a comprehensive offer of degree programs (about 90 courses) covering nearly all fields, Unipg combines a long and solid tradition of excellence with a commitment to innovation and an interdisciplinary approach that ensures students the acquisition of flexible educational training based on a mixture of skills and abilities. Post-graduate degrees are offered in top-rated specialisation schools and doctoral programs, as well a variety of masters programs in the various academic disciplines. The bonds with regional organisations and institutions are particularly robust, enabling a deep collaboration between education/research and industry/public bodies.

On the international level, the University remains firmly committed to developing collaborative relationships with EU and non-EU Universities, to facilitate and improve international advanced study opportunities for its students. Currently, the strong commitment to internationalisation has been given concrete form through the establishment of working agreements with 361 institutions of higher learning throughout the European Union, and about 90 cooperation agreements with EU and extra-EU universities. Several degree programs available at the University of Perugia already confer double degrees or European degree.

The European Commission has recently awarded the University the prestigious ECTS label for excellence in the application of the European Credit Transfer System in all of its degree programs (first and second cycles and single cycle), confirming the high quality of our expanded international endeavours.

Unipg will take part in this proposal by involving the Department of Engineering (DI).

Experience of the organization in previous European projects

University of Perugia was involved in many European project, also within the Erasmus+ programme. The contact person, Prof. Linda Barelli is at now the scientific responsible for the following European projects:

- LIFE3H (Hydrogen demonstration in city, port and mountain area to develop integrated hydrogen valleys), 2020 LIFE call for proposals for traditional projects - environment and resource efficiency – grant number LIFE20 ENV/IT/000575, 2021-2025
- StoRIES (Storage Research Infrastructure Eco-System), H2020 call LC-GD-9-1-2020 - European Research Infrastructures capacities and services to address European Green Deal challenges - 101036910 GAP-101036910, 2021-2025

Experience and Expertise of the organization in the project's subject area

The Department of Engineering (DE) of the University of Perugia joins the Grand Challenges Scholars Program (GCSP) promoted by the US national Academy of Engineering. The GCSP promotes a training programme, directed to university students, through multi and transdisciplinary educational supplements according to a multi-competencies goal (technical, economic, multicultural, social readiness toward new technologies).

It aims to train students, to enable next generation technicians/researchers to address breakthrough research and innovation in support of sustainable challenges which merge with the UN SDG. The GCSP includes 92 participating schools, mainly in the America and Asia's areas. Specifically, 74 USA universities participate to GCSP, among which MIT and Berkeley and others among the best graduate engineering schools in the USA. It is highlighted as the synergism with the GCSP will provide an extra European impact to the actions performed within the project.

Furthermore, within the StoRIES project UNIPG is in charge of the Education task aiming to implement an innovative training program devoted to Master students in the steam field, specifically focused on energy storage challenges. The students during the thesis have to be trained at a interdisciplinary and multi-level approach and to technologies hybridization.

Reasons of involvement in the project

The understanding of the relevance of complementary non-technical knowledge to enhance the ability to solve engineering challenges

Contact Person's Experience and Expertise

Professor, Linda Barelli: associate professor of fluid dynamic machines and energy systems, awarded with the national scientific qualification as Full Professor in 2014 and 2018, with a strong background on renewable energy systems and energy storage systems and their management/integration. She was appointed as Energy Manager of the University of Perugia in the period 2005-2013 and again for the years 2020-2021.

She is the scientific responsible of the Fuel Cell laboratory of DE. She is member of the Steering Committee of EERA JP ENERGY STORAGE and of the editorial board of international journals. Author of more 160 publications, among which 5 patents (2 extended abroad). Director of the GCSP implemented at the DE.

Director of the Grand Challenges Scholars Program implemented at the Department of Engineering of University of Perugia.