

Letter of Intent

Associated Partner of

GrEnFln: Greening Energy Market and finance

Erasmus+ Knowledge Alliances
Call EAC/A03/2018 - GA 612408

I, the undersigned Prof. Dariusz Łydzba, DSc, PhD, Eng. - VICE-RECTOR FOR COOPERATION hereby declare that the organisation POLITECHNIKA WROCŁAWSKA with its registered office at Wybrzeże Stanisława Wyspiańskiego 27, 50-370 Wrocław, Poland, expresses the intent to become an associated partner to the Erasmus+ Knowledge Alliances Project '*GrEnFln: Greening Energy Market and Finance*', coordinated by University of Bologna in cooperation with a Consortium of 13 partners, listed in the following:

- Ludwig-Maximilians-Universitaet Munchen (LMU) - Germany
- Birkbeck - University of London (BIRKBECK) - UK
- Wirtschaftsuniversitat Wien (WU) - Austria
- Uniwersytet Ekonomiczny w Katowicach (UEK) - Poland
- Universite Paris Dauphine (PARIS-DAUPHINE) - France
- Tauron Polska Energia (TAURON) - Poland
- Instituto Nacional de Matematica pura e aplicada (IMPA) - Brasil
- Hera srl (HERA) - Italy
- Pixel (PIXEL) - Italy
- Ego Energy srl (EGO) - Italy
- Jesus Ferreira Digital Energy (JF DE) - Portugal
- My Energia Oner SL (MIWENERGIA) - Spain
- Speed Development Consultants (SPEED) – Greece

By the end of 2022, GrEnFln KA/ERASMUS+ project aims to design, test and pilot a joint/multiple educational path and a professional module targeted to a new professional figure, i.e. the Energy Expert. Given his expected key role in favoring the transition to a more sustainable economy, the EE must combine a number of competences usually belonging to different profiles as the engineering knowledge of the green sources of energy, the competences in sustainable economy and the quantitative skills in risk management and financial engineering. As matter of fact we believe that only this interdisciplinary approach could allow HEIs to educate such a pivotal actor able to assure for a vital economy with an environment-preserving behavior. In the feasibility matter, the important role of the financial knowledge is discovered to be undeniable in order to realize the sustainable diversification of energy's supply thanks to a natural risk control policy and hedging.

Considering the objectives of the Project and in particular his commitment to face the new challenges of a transforming world with an inclusive global view by:

- Contributing to the decarbonizing process of the EU economy through investment in knowledge and competences for either high education and professional training in the Energy Sector
- designing an innovative and interdisciplinary European approach and framework to educate the "hero of the green economy", i.e. the Sustainable Energy Expert, having the pivotal role to assure for a vital economy with an environment-preserving behavior of companies and stakeholders
- developing and consolidating a long-lasting network and cooperation among industries and academia in the Energy Sector
- disseminating the best practices to address energy cross-border challenges in view of a sustainable development of the EU

Considering the mission of the institution

Wrocław University of Science and Technology was established in 1945 and from that day on it continues the tradition and develop close cooperation with the leading companies of Lower Silesia. WUST is one of the largest and best technical universities in Poland, one regularly ranked among the best in the national rankings. Its mission is to maintain and develop competencies related to the culture of experiment. Amongst the University's priorities one will find partnership-like interaction with the environment, which strengthens the results of actions and facilitates their achievement. What is more, WUST maintains contacts with several teaching and research institutions around the world to ensure programmes allowing the obtainment of double degrees and to further develop international cooperation (currently over 200 partners from about 50 countries).

Each year, a number of our original technical solutions, patents, inventions, and technologies used in industry obtain patent protection. Over the past ten years alone, we have been granted about 2600 patents, in which respect we are the national leader.

The University has over 800 educational laboratories, 250 research laboratories, and dozen accredited laboratories. We are geared towards providing services to companies that seek innovative products and modern technologies or those in the market for a supplier of solutions entailing the design and implementation of systems for managing and controlling processes as well as technologies. WUST laboratories are authorised to calibrate instrumentation while offering tests and services which involve assessing the conformity of products, systems, and installations with EU standards.

The world-class scientific research conducted by the University's staff and the tertiary institutions' laboratories are bearing fruit in the shape of cooperation with many domestic and foreign companies. The University's students enjoy opportunities to take part in job placements, internships, or implement the practical parts of their thesis projects at branches of well-established companies worldwide, e.g. Nokia, COMARCH, KGHM, NETIA, Volvo, or Ryanair.

Wrocław University of Science and Technology units responsible for conducting scientific research are the Faculties. One of them is the Faculty of Mechanical and Power Engineering characterised by intensive cooperation with power industry, thanks to which its development and fields of studies stay in accordance with the labour market. The Faculty focuses on energetics (conventional, nuclear, modern technologies of exploitation of renewable sources of energy), as well as heat and refrigeration industries, petrochemical, food and pharmaceutical (designing, construction and operation of process equipment) industries.

Considering the convergence between the objectives of the Project and the mission of the organisation I represent,

by signing this Letter of Intent I hereby declare the intention of the organisation I represent to cooperate with the GrEnFln consortium and to become an associated partner of the Project. The organisation I represent agrees to:

1. *Support the dissemination and exploitation of the GrEnFln project activities and results*
2. *Support the Project consortium in the identification of specific needs of the Energy Sector*
3. *Support the Project consortium giving advice and proposing adjustment of the course and the professional module*
4. *Participating in the Summer Schools to give specialized lectures or seminars in related fields*
5. *Provide Internship dedicated to GrEnFln students*
6. *Please add additional activities of the GrEnFln project your institution wishes to contribute to*

Signing this letter of intent POLITECHNIKA WROCŁAWSKA authorizes the University of Bologna as the project applicant to publish the associated partner data provided in the Form enclosed, entirely or extracts, on the project related documents both on paper and on-line (e.g. project web site, etc.)

Place Wrocław, date ¹³⁻⁰⁹⁻²⁰²¹

DZIEKAN

dr hab. inż. Piotr Szulc, prof. uczelni
(1)

PROREKTOR

Prof. Dariusz Łydzba

Signature and stamp of legal representative of the organization

Position in the organization: VICE-RECTOR FOR COOPERATION

Contact details: Faculty of Mechanical and Power Engineering
DEAN Piotr Szulc, DSc, PhD, Eng., Assoc. Prof. e-mail: piotr.szulc@pwr.edu.pl

