

ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
ΔΗΜΟΚΡΙΤΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΡΑΚΗΣ
ΠΟΛΥΤΕΧΝΙΚΗ ΣΧΟΛΗ
Τμήμα Ηλεκτρολόγων Μηχανικών και
Μηχανικών Υπολογιστών
Κτίριο Α' ΗΜ&ΜΥ
Πανεπιστημιούπολη Ξάνθης-Κιμμέρια
67100 - Ξάνθη



HELLENIC REPUBLIC
DEMOCRITUS UNIVERSITY OF THRACE
SCHOOL OF ENGINEERING
Department of Electrical and
Computer Engineering
Building A' E&CE
University Campus Xanthi-Kimmeria
67100 Xanthi

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. Georgios Sirakoulis hereby declare that the organisation Democritus University of Thrace / Department of Electrical and Computer Engineering, Kimmeria Campus, Democritus University of Thrace, GR-67100 Xanthi, Greece 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:

- P2 - Ludwig-Maximilian University Munich (LMU) - Germany
- P3 - Birkbeck College London (BIRKBECK) - UK
- P4 - Vienna University of Economics and Business (WU) - Austria
- P5 - University of Katowice (UEK) - Poland
- P6 - University Paris-Dauphine (PARIS-DAUPHINE) - France
- P7 - Tauron Energia (TAURON) - Poland
- P8 - Institute of Pure and Applied Mathematics (IMPA) - Brasil
- P9 - Hera srl (HERA) - Italy
- P10 - Pixel (PIXEL) - Italy
- P11 - Ego Energy srl (EGO) - Italy
- P12 - Planet Sustainable Energy LDA (PSE) - Portugal
- P13 - My Energia Oner SL (MIWENERGIA) - Spain
- P14 - Speed Development Consultants (SPEED) – Greece

Within the next 3 years, 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

The Department of Electrical Engineering of Democritus University of Thrace (DUTH) was founded in 1975 and was the second Department to be founded as part of the Engineering Faculty of Xanthi. In 1977 the first regular and temporary Professors were elected to reach up to a total 37 members of Teaching and Research Staff (TRS) nowadays. There are also 1 member of Scientific Teaching Staff (STS), 3 members of Laboratory Teaching Staff (SLTS) and 5 members of Special Technical Laboratory Staff (STLS). Specifically, the TRS counts 21 Professors, 11 Associate Professors and 5 Assistant Professors. Today the Department's Sectors are Power Systems, Electronics and Information Systems Technology, Telecommunications and Space Science Sector Software and Application Development, Physics and Applied Mathematics.

Contractual research in Democritus University of Thrace is done under the supervision of the Research Committee of DUTH. The Research Committee (ELKE/DUTH) is an independent part of the University, a law body, exclusively responsible for the management of the contractual research within the University. In the last years ELKE/DUTH has collaborated with several partners (Universities, Research Centres, Companies) for the implementations of Research and Development Projects.

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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 advise 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 (corresponding funding is not a responsibility of our organization)*
- 6. Assign the coordination of the project in our organization to Assistant Professor Theofilos Papadopoulos*

Signing this letter of intent, Democritus University of Thrace / Department of Electrical and Computer Engineering, 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.)

Xanthi, 23/11/2020

Professor Georgios Ch. Sirakoulis
Head of Department of Electrical and Computer Engineering,
Democritus University of Thrace