



Greening Energy Market and Finance

*D11.4 – Transnational
Exploitation and
Sustainability Report*



Work Package (WP)	WP11 – Dissemination and Exploitation Results
WP Leader	Pixel
Deliverable Title and Number	D11.4 – Transnational Exploitation and Sustainability Report
Release date	30 November 2021
Version	1
Dissemination Level	Reserved
Authors	Lorenzo Martellini, Andrea Peraldo
Revised and Approved by	All Consortium Partners

INDEX

1. Introduction	5
2. Enlargement of the Consortium	5
2.1 "Gheorghe Asachi" Technical University of Iași	8
2.2 CEEETA-eco.....	9
2.3 CETENMA (Technology Centre for Energy and Environment)	10
2.4 DEMOCRITUS UNIVERSITY OF THRACE, SCHOOL OF ENGINEERING, Department of Electrical and Computer Engineering	10
2.5 Department of Engineering and Architecture, University of Trieste	11
2.6 European Programme Department – Murcia City Council	12
2.7 Foundation for Economic and Industrial Research (IOBE)	13
2.8 HWEA/ELETAEN – Hellenic Wind Energy Association.....	14
2.9 InnovaKeme.....	15
2.10 Institut Louis Bachelier	15
2.11 ISR – University of Coimbra	16
2.12 Kaunas University of Technology (Faculty of Informatics)	16
2.13 KEME Energy.....	17
2.14 Laboratory of Industrial and Energy Economics, National Technical University of Athens 17	
2.15 Limerick Institute of Technology	18
2.16 Munich Re.....	19





2.17	National Research University Higher School of Economics (HSE University).....	19
2.18	NE NOMISMA ENERGIA	21
2.19	NOVA School of Science and Technology - NOVA University of Lisbon	21
2.20	Polytechnic Institute of Bragança.....	22
2.21	PROMETEIA.....	22
2.22	University of Thessaly.....	23
2.23	University of Western Macedonia (UOWM) – Department of Electrical and Computer Engineering	24
2.24	University of Agriculture – Krakow (PL).....	25
3.	Exchange Links	26

Executive Summary

This document deals with:

- Providing a list of all the associated partners involved in the project with a brief description of the association and its contribution to the dissemination and exploitation of the project results;
- Providing a list of all the exchange links that the partners of the project were able to include in portals/websites related to the contents addressed by the project.





Preface

This deliverable has been updated and revised according to the recommendations received by EACEA in the assessment of the progress report where confusion between dissemination and sustainability was pointed out.

In order to avoid this issue, the structure of this document has been revised with the aim of reporting exclusively the *Exploitation and Sustainability* activities. More specifically:

- The chapter dedicated to the visibility of the project, originally included in this document, has been moved to Deliverable 11.1 - *Progress Report on the Launch of a new educational model based on international cooperation and on the visibility of the Project-acquire*;
- A section dedicated to the Exchange Links have been added;
- A section dedicated to the commitment of the partners to the sustainability of the Master and of the Professional Module has been foreseen for the final report.

The last section will be produced thanks to the template (*see below*) that was presented during the Steering Committee of November 23, 2021, discussed with the partners and fully approved by them.

WP11 - CONTRIBUTION TO THE SUSTAINABILITY OF THE GrEnFin PROJECT

Please indicate how your institution will contribute to the sustainability of the project.

Please specify:

- How your institution is supporting the sustainability of the GrEnFin Master?
 - o Example of macro actions:
 - Sign of specific agreement that implies commitment of your institution
 - Provision of trainers (prof, expert etc)
 - Provision of material
 - Stakeholder/beneficiaries feedback on developments
 - Support on thesis
 - Provision of internships
 - Support in any kind of action that might ensure a short/long term existence of GrEnFin Master
 - Dissemination of the opportunity within local target group
- How your institution is supporting the sustainability of the **Professional Module**
 - o Example of macro actions:
 - Contents creation and uploading (platform)
 - Case study creation and supervision (alive section)
 - Platform maintenance
 - Dissemination of the Module future editions
 - Organization of it on local basis

Please do not answer the elements above with bullet points, but prepare two short reports one for the GrEnFin Master and the other for the Professional Module.

Contribution to the Sustainability



1. Introduction

This document will describe the *Exploitation and Sustainability* strategies of the GrEnFln Project.

Unlike *Dissemination*, whose main objective is to give immediate, and short-term, visibility to the project by publicizing it as much as possible, *Exploitation and Sustainability* have the purpose of improving the impact of the project on its target groups and to make the project results accessible for highest number of potential beneficiaries both during the project life cycle and for the longest period after the project conclusion.


The main *Exploitation and Sustainability* activities and results that are described below are: the Enlargement of the Consortium and the Exchange Links.

2. Enlargement of the Consortium

For the involvement associated partners, each partner was asked to involve other bodies at national and international level beyond those already involved in the project. These bodies were asked to be involved as associated partners so as to promote the use of the project outcomes to their end users. The associated partners were also asked to publish the information on their newsletters and to put a link to the project web site on their portal.







They officially joined by signing a letter of endorsement with the official project partners. The associated partners share the project objectives and are interested in being involved in the project activities and in accessing and sharing the project results. They are committed to further promote the project outcomes with their target users.





The list of associated partners (available at <https://GrEnFln.eu/partnership-ass.php>) is composed by:

Logo	Name	Type of Institution	Country
	"Gheorghe Asachi" Technical University of Iasi	Higher Education	Romania - Iasi - Bulevardul Profesor Dimitrie Mangeron 67



<p>CEEETA-ECO Consultores em Energia, Lda</p>	CEEETA-eco	SME, Energy Consulting	Portugal - Lisboa - Rua de Xabregas, Lote A, Sala 282, 1900-440 Lisboa
<p>Centro Tecnológico de la Energía y del Medio Ambiente</p>	CETENMA (Technology Centre for Energy and Environment)	Private, non-profit Business Association	Spain - Cartagena - P.I. Cabezo Beaza C/ Sofía, 6-13 30353 Cartagena (Murcia)
<p>ΔΗΜΟΚΡΙΤΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΡΑΚΗΣ DEMOCRITUS UNIVERSITY OF THRACE</p>	DEMOCRITUS UNIVERSITY OF THRACE, SCHOOL OF ENGINEERING, Department of Electrical and Computer Engineering	University	Greece - Xanthi - University Campus Xanthi-Kimmeria, 67100 Xanthi
<p>UNIVERSITÀ DEGLI STUDI DI TRIESTE dipartimento di Ingegneria e architettura</p>	Department of Engineering and Architecture, University of Trieste	University	Italy - Trieste - Department of Engineering and Architecture, University of Trieste
<p>Ayuntamiento de Murcia</p>	European Programme Department – Murcia City Council	Public Administration	Spain - Murcia - Glorieta de Espana 1, 30004 Murcia
<p>FOUNDATION FOR ECONOMIC & INDUSTRIAL RESEARCH (IOBE)</p>	Foundation for Economic and Industrial Research (IOBE)	Research	Greece - Athens - 11 Tsami Karatassou Str., 117 42, Athens
<p>HWEA Hellenic Wind Energy Association</p>	HWEA/ELETAEN – Hellenic Wind Energy Association	Association	Greece - Athens - Kosta Varnali 52 & Epidavrou str. Chalandri, GR 152 33
<p>INNOVAKEME from nature to the future</p>	InnovaKeme	Sart-up	Portugal - Funchal - Rua dos Murças
<p>INSTITUT Louis Bachelier</p>	Institut Louis Bachelier	Association	France - Paris - Palais Brongniart, 28 Place de la Bourse, 75002 Paris, Francia

 <p>ISR - University of Coimbra</p>	<p>ISR – University of Coimbra</p>	<p>Portuguese private, non-profit research institution, associated with the University of Coimbra</p>	<p>Portugal - Coimbra - Institute of Systems and Robotics Department of Electrical and Computer Engineering University of Coimbra Rua Silvio Lima- Polo II 3030-290 COIMBRA – Portugal</p>
 <p>ktu faculty of informatics 1922</p>	<p>Kaunas University of Technology (Faculty of Informatics)</p>	<p>University (tertiary level)</p>	<p>Lithuania - Kaunas - K. Donelaičio g. 73</p>
 <p>KEME green energy for a greener world</p>	<p>KEME Energy</p>	<p>Company</p>	<p>Portugal - Figueira da Foz - Rua Dr. Calado</p>
 <p>LIEE NTUA LABORATORY OF INDUSTRIAL & ENERGY ECONOMICS</p>	<p>Laboratory of Industrial and Energy Economics, National Technical University of Athens</p>	<p>University</p>	<p>Greece - Athens - 9, Heroon, Polytechniou, GR-15780, Athens-Greece,</p>
 <p>LIT LIMERICK INSTITUTE OF TECHNOLOGY</p>	<p>Limerick Institute of Technology</p>	<p>Higher Education and Research</p>	<p>Ireland - Limerick - Moylish, Limerick, V94 EC5T, Ireland</p>
 <p>Munich RE</p>	<p>Munich Re</p>	<p>Reinsurance company</p>	<p>Germany - Munich - Königinstraße 107</p>
 <p>HSE University</p>	<p>National Research University Higher School of Economics (HSE University)</p>	<p>University</p>	<p>Russia - Moscow - Myasnitskaya Ulitsa, 20, Moscow, Russia, 101000</p>
 <p>NE</p>	<p>NE NOMISMA ENERGIA</p>	<p>PRIVATE RESEARCH COMPANY</p>	<p>Italy - Bologna - Via Guglielmo Marconi, 3, 40122 Bologna BO</p>
 <p>NOVA NOVA SCHOOL OF SCIENCE & TECHNOLOGY</p>	<p>NOVA School of Science and Technology - NOVA University of Lisbon</p>	<p>University</p>	<p>Portugal - Caparica - Campus de Caparica, 2829-516, Caparica, Portugal</p>
 <p>ipb INSTITUTO POLITÉCNICO DE BRAGANÇA</p>	<p>Polytechnic Institute of Bragança</p>	<p>Higher Education Institution</p>	<p>Portugal - Bragança - Campus de Santa Apolónia, 5300-253 Bragança</p>

 prometeia	<i>PROMETEIA</i>	<i>S.p.a.</i>	Italy - Bologna - Piazza Trento e Trieste, 3, 40137 Bologna BO
	<i>University of Thessaly</i>	<i>University</i>	Greece - Volos - Argonafton - Filellinon
 UNIVERSITY OF WESTERN MACEDONIA	<i>University of Western Macedonia (UOWM) – Department of Electrical and Computer Engineering</i>	<i>Higher Educational Institute (HEI)</i>	Greece - Kozani - Karamanli and Ligeris, GR-50100
 UNIVERSITY OF AGRICULTURE IN KRAKOW	<i>Uniwersytet Rolniczy im. Hugona Kołłątaja w Krakowie (University of Agriculture in Krakow)</i>	<i>University</i>	Poland - Aleja - Mickiewicza 21, 31-120 Kraków

2.1 "Gheorghe Asachi" Technical University of Iași

Description

The "Gheorghe Asachi" Technical University of Iasi (TUIASI) is among the oldest and well-known institutions from the country, having an important tradition in engineering, scientific and cultural education, with a distinguishable presence on the international level. The university trains engineers with high qualifications, able to respond quickly and efficiently to the requirements of innovation, research and economic development. Moreover, the university carries on programs designed to continuously upgrade the engineers' professional skills imposed by the tendencies appeared at a global level.

Contribution to the Dissemination and Exploitation of the Project Results

In line with the complexity of the market needs, the university can provide a thorough understanding of the energy markets, renewable energy sources, and sustainable energy management. Also, it can shape experts in smart grids operation at different levels and considering all segments, from power generation to distribution and supply, from day-ahead to intra-day balancing markets, to minimize the greenhouse gases emission.



The University can contribute to the dissemination and exploitation of the project through the participation, along with other project partners, in innovative Joint Master Degree and Professional Modules programs for Green Energy and Finance, targeting young students, but also companies' staff and experts already active in the labour market.

The courses can be prepared using new teaching methodologies by cloud tools that will allow limiting the environmental footprint, based on the development of collaborative training tools as a discussion of case studies. The experts will be formed by an innovative, institutionalized, and integrated joint study path at the European level in the energy field with a special focus on green energy and energy efficiency, with the development of new learning and teaching methods based on real-problems, providing in this way the transversal and interconnected skills. The study platform, designed based on the energy crowdsourcing concept, is aiming to the development of three different skills, i.e. quantitative skills (involving math, statistics, and programming), technical and economic knowledge, and competence in green renewable energy and energy savings to foster investments in renewable energy generation and trading, for energy poverty mitigation.

2.2 CEEETA-eco

Description

CEEETA-eco provides high level expertise and consultancy in the fields of energy efficiency, sustainable mobility, and renewable energy sources. They also support the clients from the strategic planning phase till project implementation, through project development and finding financing solutions.

Contribution to the Dissemination and Exploitation of the Project Results

- Support the dissemination and exploitation of the GrEnFln project activities and results;
- Support the Project consortium in the identification of specific needs of the Energy Sector;
- Support the Project consortium giving advise and proposing adjustment of the course and the professional module;
- Participating in the Summer Schools to give specialized lectures or seminars in related fields.





2.3 CETENMA (Technology Centre for Energy and Environment)

Description

CETENMA (Technology Centre for Energy and Environment) is a private, non-profit Business Association, founded in 2000. Its headquarter is placed in the southeast of Spain (Pol. Industrial Cabezo Beaza, 6-13, 30353, Cartagena, Murcia). It was set up to support companies with technological research, development and innovation in all areas relating to Energy and the Environment, thereby assisting them in becoming more competitive. CETENMA R&D activities range over five main areas of Knowledge: Water Technologies, Waste treatment, Bioenergy, Renewable Energies and Energy Efficiency. The aim of CETENMA is to generate and apply technological knowledge for the development and strengthening of companies.

Contribution to the Dissemination and Exploitation of the Project Results

CETENMA will contribute with the dissemination of GrEnFln project spreading information about the project in its information channels and social networks

2.4 DEMOCRITUS UNIVERSITY OF THRACE, SCHOOL OF ENGINEERING, Department of Electrical and Computer Engineering

Description

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.





Contribution to the Dissemination and Exploitation of the Project Results

The target groups of the dissemination activities inside our partnership can be:

- Students & academia - National and EU level;
- Higher Education Institutions - National and EU level;
- Industry and Research Institutions - National level and EU level;
- Other stakeholder groups (including technical chambers and associations) - National and EU level.

In particular, we can help to reach a wider segment of academic institutions and people through our exchange courses, videos, social media and academic papers (conferences where we may participate).

Project results can be disseminated in the undergraduate and postgraduate (MSc and PhD) courses, workshops and webinars organized by the Electrical and Computer Engineering Department (DECE) of Democritus University of Thrace.

Results can be also disseminated through small-scale events and workshops that may be organized by the DECE student branches (IEEE, IAESTE, EESTEC, etc.). Our expertise on power systems can be used to provide training, discussions and presentations on the relevant topics and results of the project. Regarding the industrial sector we can exploit the project results via the already established collaborations we have (national and international projects)

2.5 Department of Engineering and Architecture, University of Trieste

Description

- The Department of Engineering and Architecture of the University of Trieste is a community of about 100 faculty, 100 affiliated researchers and PhD students, 30 technical and administrative staff, and over 2000 students, operates in education and research;
- Education. DIA offers four bachelor degrees (“laurea triennale” in civil and environmental engineering, industrial engineering, electronic and computer science engineering, naval engineering), thirteen master degrees (“laurea magistrale”) in disciplines covering the entire spectrum of the engineering and architecture disciplines. In most of the courses of studies, special attention is paid to energy and sustainability. Since 2010, the Department is the key organizational body of the Summer School on Energy “Giacomo Ciamician”;
- Research. The faculty and affiliated researchers at DIA are organized in over thirty research groups and laboratories, often operating in synergy and with a broad network of national and international



collaborations with other research institutions and companies. The expertise of the research groups is applied to a number of transversal areas, such as: Energy and Sustainability; Civil Engineering; Architecture and Spatial Planning; Biotechnology; Materials, product and process design; ICT; Decision making science; Naval Architecture and Marine Engineering. In particular, the Department regularly hosts and/or leads a number of research projects (for a total of over 5 M€ over the past 3 years) dedicated to Energy and Sustainability.

Contribution to the Dissemination and Exploitation of the Project Results

The Department of Engineering and Architecture will disseminate the results of the project through its communication channels (University and Department websites, social media, office of communication, office of dissemination), and through dedicated seminars or events in collaboration with other partners.

The results will be exploited and tested through the University and Department’s educational initiatives (e.g. Summer School on Energy “Giacomo Ciamician”), and – when applicable - will be used to integrate the contents of relevant courses in MS and BS programs.

2.6 European Programme Department – Murcia City Council

Description

Murcia Municipality is one of the most active in Europe working on several European funded projects with two main lines: Integrated Sustainable Urban Development and Smart City.

Murcia is a signatory member of the Covenant of Mayors for Climate & Energy. Currently, they are partners in the following H2020 projects: USERCHI, HOOP, VALUEWASTE, MAGNITUDE and CITYLOOPS, and LIFE projects: HEATLAND, CONQUER and ENRICH.

Contribution to the Dissemination and Exploitation of the Project Results

The organisation will give visibility to the project activities and results through our social media and will participate and support any event that could be organised in Murcia.



2.7 Foundation for Economic and Industrial Research (IOBE)

Description

The Foundation for Economic & Industrial Research (IOBE) is a private, non-profit, public-benefit research organisation. It was established in 1975 with the dual purpose of promoting research on current problems and prospects of the Greek economy and its sectors and of generating reliable information, analysis and proposals for action that are not produced elsewhere and can thus be of high value to policy makers in the context of economic policy making.

In that sense, IOBE holds a unique position in Greek society: it is the only politically independent, non-partisan body dealing with major issues of the economy, and it aspires to being pro-active, that is, it seeks to identify, at an early stage, economic issues that can become crucial in the future and to propose timely solutions for these.

IOBE is enjoined by its statutes to perform the following functions:

- To carry out applied research on basic structural and sectoral problems of the Greek economy as well as on various aspects of economic policy making;
- To monitor and analyse short-term economic trends, to record the business climate, and to prepare forecasts and evaluate prospects of the Greek economy;
- To provide reliable and continuously updated economic information about particular sectors of the Greek economy;
- To cooperate with foreign research institutions and international organisations on matters of common interest and to conduct multi-country research projects on economic issues and policies.
- To contribute to the public debate on economic issues;
- To undertake sponsored and commissioned research projects that fall within its aims and purposes;
- In carrying out its research work, the Foundation maintains a position of academic freedom and neutrality. The judgements expressed and the proposals contained in IOBE's publications are solely the responsibility of the researcher/writer and do not necessarily reflect the views and opinions of IOBE's members, governing bodies of financial supporters.

Contribution to the Dissemination and Exploitation of the Project Results

IOBE has a solid network of different stakeholders (i.e. businesses, practitioners, policy stakeholders, academia, researchers) built through several project collaborations over the past years. Indicatively, since 1981, the research team of IOBE is subcontracted by DG ECFIN for the compilation of the monthly economic



sentiment indicator for Greece. Through this task, IOBE has established an open communication channel with numerous businesses of different sizes, characteristics across all economic sectors. This network is being constantly expanded also through different activities of the Observatory of Entrepreneurship.

Besides the above, IOBE has a long lasting experience in several environmental and climate change aspects, some of which are compatible with the scope of the GrEnFin project. Besides relevant research projects undertaken since 2009, IOBE is an associated partner of EIT Climate KIC Greece, which is composed by a consortium of various organisations across the knowledge triangle. The hub is a focal point for organisations from across business and entrepreneurship, higher education, and research and technology, supporting knowledge sharing and integration and accelerating the journey of solutions from the lab through to market.

2.8 HWEA/ELETAEN – Hellenic Wind Energy Association

Description

ELETAEN is the association of the scientists, professionals and the companies acting in wind energy in Greece. It has been a member of the European Wind Energy Association WindEurope since its founding. HWEA/ ELETAEN maintains and serves a twofold scope:

- It seeks to promote the scientific research, technology, and applications of wind energy and at the same time;
- Tries to effectively express the well-meant interests of the industry and the market by acting as a think-tank and dialogue forum with scientific documentation and competence.

Its activities include a wide range of actions i.e. advocacy, policy development, communication, training, information dissemination etc.

Contribution to the Dissemination and Exploitation of the Project Results

Currently, ELETAEN has more than 240 active members from which more than 60 are legal entities, including all the major investors, operators and manufactures active in the Greek wind energy market. The total number of employees in the wind energy sector in Greece is estimated to 5.500. ELETAEN maintains strong ties and communication channels with this staff which will be definitely interested in the project's results.

Moreover, ELETAEN has built a reputable image among the authorities, the universities, the special press and the citizens who support the energy transformation and renewables.

All the above bring ELETAEN in the position to disseminate the project results in an effective way.





2.9 InnovaKeme

Description

InnovaKeme is a portuguese Start-up based in Madeira, Portugal, which aims to achieve innovative sustainable energy solutions approaching different sustainable development goals worldwide. Since its foundation, the company's focus is the design and development of renewable and sustainable energy solutions, being Research and Development (R&D) key role in its main strategy. With a multidisciplinary and experienced team, InnovaKeme has formed a solid structure based on the skills and training of its employees. This know-how is a key point for the development of the company that, together with its business partners, will allow it to create conditions for the development of sustainable energy solutions that are internationally competitive through knowledge management and innovation by creating, optimizing, and adapting products, systems and services, always focusing on a more sustainable future.

Contribution to the Dissemination and Exploitation of the Project Results

- Support the dissemination and exploitation of the GrEnFln project activities and results;
- Support the Project consortium in the identification of specific needs of the Energy Sector;
- Support the Project consortium giving advise and proposing adjustment of the course and the professional module;
- Participating in the Summer Schools to give specialized lectures or seminars in related fields.

2.10 Institut Louis Bachelier

Description

The Institut Louis Bachelier (ILB) is an association as defined by the law of 1901 and was created in 2008 at the instigation of the Treasury and Caisse des Dépôts et Consignations. Through our activities, we aim to involve academics, public authorities, and private companies in research projects and forums for the exchange of ideas. Together we will find solutions for a changing world, with the focus on four societal transitions: environmental, digital, demographic and financial.

Contribution to the Dissemination and Exploitation of the Project Results

We propose to include the project updates in our different newsletters, to create a new one specifically dedicated to GrEnFln and its members, to add the project in a new section in our website (“European





partnerships” for example) and to speak about it during our events like webinars (For example, the conference Green Finance Research Advances on December, 9th with Banque de France).

2.11 ISR – University of Coimbra

Description

ISR-UC is a Portuguese private, non-profit research institution, associated with the University of Coimbra, founded in 1992 with the global purpose of setting up a first class multidisciplinary research team, able to carry out leading edge research in several important areas of science and technology, to improve the quality of life and for sustainable development. The intelligent Energy Systems Group has large experience in designing and carrying out capacity building and education activities and in the development of educational and training materials.

Contribution to the Dissemination and Exploitation of the Project Results

- Identification of needs in the Energy sector;
- Comment the structures of the professional modules and university courses, which are being developed;
- Participate in seminars or even give classes on topics related to professional courses and modules;
- Dissemination of project activities and results.

2.12 Kaunas University of Technology (Faculty of Informatics)

Description

Kaunas University of Technology (KTU) – the largest technical university in Lithuania, known for its linkages with business, leadership in scientific research, flexible interdisciplinary study programmes. KTU is situated in Kaunas, the second largest city of Lithuania, which is a significant centre of industry, transport, science and culture. KTU Mission is to provide a research-based studies of international level, to create and to transfer knowledge and innovative technologies for sustainable development and innovative growth of the country, to provide an open creative environment that inspires leaders and talented individuals. There are 9 faculties in KTU, including the Faculty of Informatics.





Contribution to the Dissemination and Exploitation of the Project Results

The scientists of Kaunas University actively participate in different national and international programs, projects, researches, conferences and we will disseminate project idea and items there

As well we will announce about cooperation in our social network.

2.13 KEME Energy

Description

KEME Energy is a company that implements projects of collective energy self-consumption and renewable energy communities (CER), offering a service that allows any group of citizens or companies to produce, consume, share, store and / or sell surplus energy by connecting the production units to one or more consumption points. KEME also invests, promotes, develops and implements other projects that use sustainable management models linked to technological innovation of renewable energy production such as solar with storage in batteries, biomass, marine energy, green hydrogen and others with the aim of introducing energy efficiency, reduce costs and GHG emissions, working directly to contribute to environmental preservation and improvement, which is the main focuses of its mission.

Contribution to the Dissemination and Exploitation of the Project Results

- Support the dissemination and exploitation of the GrEnFln project activities and results;
- Support the Project consortium in the identification of specific needs of the Energy Sector;
- Support the Project consortium giving advise and proposing adjustment of the course and the professional module;
- Participating in the Summer Schools to give specialized lectures or seminars in related fields.

2.14 Laboratory of Industrial and Energy Economics, National Technical University of Athens

Description

The Laboratory of Industrial and Energy Economics (LIEE) is an educational and research unit at the School of Chemical Engineering at the National Technical University of Athens (NTUA). NTUA is the oldest and most famous educational institution in Greece in the field of technology and engineering. LIEE/NTUA is now a well-established and active research unit in European and national socioeconomic, policy and strategy research





focusing on the study of innovation, research networks, knowledge flows industrial sectors, knowledge-intensive entrepreneurship, public procurement, international competitiveness, new emerging industries, energy and environment.

LIEE's research activities are grouped in four main research areas: Economic and Strategic Analysis of Industry, Innovation and Technology, Energy and environmental policy, Operations Research and Management Science, and Information Society and Knowledge-based economy. In the research projects involved, LIEE has used a variety of qualitative (e.g. cases studies, panels of industry experts/academics/policy makers and policy shapers to study specific value chains and innovative processes and business activities) and quantitative techniques (e.g. multivariate statistical analysis, social network analysis etc.) and empirical methods (e.g. large-scale surveys). LIEE's research activities are entirely funded through national and European research contracts (more than 130 research projects during the last 30 years) assigned mainly on a competitive basis.

Contribution to the Dissemination and Exploitation of the Project Results

Due to each academic and research nature, LIEE/NTUA has the resources to support the project in exploiting and disseminating its results. We could contribute to the communication of end user of the project activities: students, researchers, PhD graduates but also involve the start up ecosystem, though NTUA business accelerator and incubator. Seminars on the main content of the study could also be undertaken in the context of the course Technology – Innovation – Entrepreneurship that is taking place at the School of Chemical Engineering.

2.15 Limerick Institute of Technology

Description

Limerick Institute of Technology (LIT) is an institution of higher education in Limerick funded by the Government of Ireland and set up under the IOT legislation (one of 13 such institutes in Ireland). LIT has five campuses and learning centres across Limerick, Tipperary and Clare in the Mid West Region of Ireland for a total of 610 staff members. LIT offers 120 accredited courses at QQI Level 6 (certificate EQF level 5) through Level 10 (Ph.D. EQF level 8) whilst also catering for craft apprentices and adult and continuing education. As a member of the European Association of Universities, LIT is recognised for its active learning approach, it's applied research portfolio and its enterprise development and recognised nationally for its active learning approach, its applied research portfolio, social development inclusion and its enterprise development.





Contribution to the Dissemination and Exploitation of the Project Results

LIT and specifically the Development Unit will promote the project and its outcomes amongst its extensive network of partners across Europe. This will include energy agencies, policy makers, financial institutions and other HEIs and research organisations.

2.16 Munich Re

Description

Munich Re is one of the world's leading providers of reinsurance, primary insurance and insurance-related risk solutions. The Group consists of the reinsurance and ERGO business segments, as well as the asset manager MEAG. Munich Re is globally active and operates in all lines of the insurance business.

Contribution to the Dissemination and Exploitation of the Project Results

The department Green Tech Solutions deals with the greater need for adequate insurance coverage to stabilize the business performance trend in a sustainable way, or to implement long-term plans occurring from a greener energy supply. Besides this it shows ways for green investments.

This part of the company will cooperate within the GrEnFin-project and offers to give some seminars about themes like Renewable energies and energy system transformation from the perspective of the insurance industry, Insurability of technological risks, Influences of climate change on risk management, etc. This allows the students of the pilote class to get an insight into green risks from the point of view of a reinsurer.

2.17 National Research University Higher School of Economics (HSE University)

Description

Consistently ranked as one of Russia's top universities, HSE University is a leader in Russian education and one of the preeminent economics and social sciences universities in Eastern Europe and Eurasia. Having rapidly grown from a small graduate school specialising in economics into a renowned research university with a variety of academic fields, HSE sets itself apart with its international presence and partnerships. Now a dynamic university with four campuses in Moscow, St. Petersburg, Nizhny Novgorod, and Perm, HSE has over 47,000 enrolled students, including over 5,000 international students, and 7,000 academic staff representing over 100 countries. The University is home to over 140 research institutes and centres and 46



international labs. HSE is a leader in combining Russian educational traditions with the best international teaching and research practices. It offers outstanding educational programmes from secondary school to doctoral studies, with top departments and research centres in a number of fields. As of 2020/2021, HSE offers 86 undergraduate programmes in 37 areas of study (8 of which are English-taught), 185 master's programmes in 36 areas of study (44 of which are English-taught), and 62 doctoral programmes in 18 areas of study.

HSE University is ranked among the top 100 institutions worldwide in Politics & International Studies, Sociology, Economics & Econometrics, History, and Social Policy & Administration in the QS – World University Rankings by Subject, and it is among top-performing participants of the '5-100' Russian Academic Excellence Project.

The Faculty of Economic Sciences is HSE's largest and oldest study and research and entity. The Faculty's diverse educational programmes provide students with the theoretical and practical fundamentals of economics and enable them to pursue an individualized educational trajectory tailored to their preferences, goals, and interests. Their access to research projects and laboratories is open from the first year of studies. Their high quality of students research is encouraged with research scholarships, active research seminars and conferences participation and research paper preparation, that includes bachelor and masters research theses.

HSE University cooperates with over 400 universities world-wide through bi- and multilateral projects, the European Commission and other schemes, as well as international associations and network memberships.

The HSE development strategy for 2030 aims to establish a leading world-class centre for research, education, analysis, and consulting at HSE.

Contribution to the Dissemination and Exploitation of the Project Results

HSE disseminates the results of the ICM project to other university faculties and schools via relevant pages of the university's, and faculties' web-sites, as well as regular activities such as information sessions for students and presentations at the Faculties, along with relevant external events associated with "5-100" project and Erasmus+ programme, as well as education conferences and fairs such as EAIE, NAFSA and APAIE etc. Mobility of students and staff as well as development of new educational programmes and projects have been regularly reported to relevant university commissions.





2.18 NE NOMISMA ENERGIA

Description

NE Nomisma Energia is an independent think tank company conducting research on energy and environment, committed to understand energy markets and their short- and long-term trends. NE Nomisma Energia covers all issues concerning energy markets and environmental policies, in Italy and Europe, which extend from fossil fuels markets to renewable energies, from industrial and market regulation to development of new technologies, from international politics to local energy planning.

Contribution to the Dissemination and Exploitation of the Project Results

NE Nomisma Energia will exploit its numerous contacts with all stakeholders involved in energy markets to disseminate the results. NE has contracts with regulatory institutions, with government bodies, with companies and industries, with universities, with associations of consumers, with the press and the media. All these entities will be keen to know more about the results of the project.

2.19 NOVA School of Science and Technology - NOVA University of Lisbon

Description

NOVA University of Lisbon through the School of Science and Technology (NOVA ST) is one of the most prestigious Portuguese and European engineering and science public schools. It is engaged in extensive research activity developed in 16 research centres involving 1600 PhD and Master's students of the total enrolment of 8000. Regarding research outputs NOVA ST has published about 13 000 papers indexed in Scopus and Web of Science (from 2016 to 2020, FCT NOVA published 4 709 papers), in top journals and conferences with high impact, where has earned recognition by its peers. F NOVA ST has a broad expertise in cutting edge R&D+I due to a multidisciplinary nature and strong experience in fundamental and applied research projects, ranging from materials, environment and biotechnologies to conservation and restoration. With a total of 630 academic staff and 200 non-academic staff, NOVA ST's has internationally recognized professionals due to their high potential in R&D+I activities, with researchers awarded ERC grants (9 in total) and merit prizes. NOVA ST has been awarded since 2014 with ~120 European and International projects. This shows the visibility and competitiveness of the school at International level and its strong experience in collaborative projects, working with partners from all over the world.





Contribution to the Dissemination and Exploitation of the Project Results

- Identification of needs in the Energy sector;
- Comment the structures of the professional modules and university courses, which are being developed;
- Participate in seminars or even give classes on topics related to professional courses and modules;
- Dissemination of project activities and results.

2.20 Polytechnic Institute of Bragança

Description

The Polytechnic Institute of Bragança (IPB) is a higher education public institution with a defined mission in creating, transmitting and diffusing technical-scientific and professional knowledge through the articulation of study, teaching, applied research and experimental development. IPB belongs to the European Network for Universities of Applied Sciences (UASNET), which main objectives include the transferability of professional skills and the integration of applied research in their professional and technological education mission.

Contribution to the Dissemination and Exploitation of the Project Results

IPB, according to the needs of the project, might:

- Support the dissemination and exploitation of the GrEnFin project activities and results;
- Support the Project consortium in the identification of specific needs of the Energy Sector;
- Support the Project consortium giving advise and proposing adjustment of the course and the professional module;
- Participate in the Summer Schools to give specialized lectures or seminars in related fields;
- Provide Internship dedicated to GrEnFin students.

2.21 PROMETEIA

Description

Prometeia is a leading provider of consulting services, software solutions and economic research focused on Risk, Wealth & Performance Management. Prometeia's technology and specialized advisory are chosen by



more than 300 customers in over 20 countries around the world every day: banks, insurance companies, institutional investors and public institutions.

Contribution to the Dissemination and Exploitation of the Project Results

Prometeia will publish on all its outbound (institutional website, app, newsletters) and inbound media channels (intranet, corporate newsletters) the results of the project.

2.22 University of Thessaly

Description

University of Thessaly (UTH) was founded in 1984. UTH is a prominent institution of Higher Education aiming to promote scientific knowledge through teaching and research, and to contribute to the cultural and economic development of the local community, and the society at large. It promotes scientific and academic excellence in all fields of expertise and rewards outstanding individual performances, establishing new scientific research units and fostering an environment that supports innovative actions.

Today, University of Thessaly, with 37 Departments and 8 schools, is the third biggest University in Greece, with its own identity and with a prominent position in our national educational system. University of Thessaly provides 105 undergraduate and postgraduate programs, and extra-curricular modules in specific research and business fields. It has more than 42.000 undergraduate students, about 4300 postgraduate students and about 1500 PhD students. It also has 1000 members of teaching and research staff and 450 members of administrative personnel. It is known for its excellent research performance and outstanding scientific achievements, in accordance with the international standards. The excellent equipped Laboratories of the different Departments and Research Units have a number of well-trained researchers to support them.

As part of its future goals, University of Thessaly intends to strengthen its cooperation's abroad, increase its human resources, upgrade and utilize existing human resources, attract young scientists and encourage research through the creation of modern research structures, increase infrastructure and utilize its assets and funds from the EU with the research programmes Horizon 2020, RFSR, FP6, FP7, Erasmus+, INTERREG, and LIFE. The members of the academic and research staff participate in European research networks and numerous innovative research projects in the EC. Currently, UTH has more than 600 Erasmus Bilateral Agreements with more than 40 different countries, and works in partnership with European and overseas





institutions to facilitate academic exchanges, research collaborations and jointly organized academic programs (intensive courses, summer schools etc.) with other higher education institutions.

Contribution to the Dissemination and Exploitation of the Project Results

Participation of undergraduate and postgraduate students in seminars, Summer Schools and related educational activities.

Dissemination of the project activities in the official website of the Department of Electrical and Computer Engineering.

2.23 University of Western Macedonia (UOWM) – Department of Electrical and Computer Engineering

Description

The University of Western Macedonia (UOWM) was initially founded in Kozani in 2003. In 2019 the University of Western Macedonia was merged with the Technological Institute of Western Macedonia. In its current form, the University of Western Macedonia operates with 7 Schools and 22 Departments, located in 5 cities of the Region of Western Macedonia. The School list of the University consists of the following: School of Engineering, School of Economic Sciences, School of Fine Arts, School of Agriculture, School of Humanities and Social Sciences, School of Science and School of Health Sciences. The Department of Electrical and Computer Engineering (ECE) is located in Kozani and belongs to the School of Engineering of UOWM. ECE is the second department of the School of Engineering of UOWM with one of the most modern technological infrastructures. Since its establishment, the goal of the Department is the promotion of the science and technologies of Informatics, Telecommunications, Electronics but also Circuits and Energy. Through teaching, research and practical application, the Department prepares Engineers with all the necessary equipment to be able to monitor developments in the constantly evolving areas of the subject of Electrical and Computer Engineering.

More specifically, the ECE Department promotes and cultivates knowledge in the following subjects:

- Energy;
- Computer Science;
- Software and Systems Technologies;
- Signals, Telecommunications and Networks;
- Electronics and Electrical Engineering.





Contribution to the Dissemination and Exploitation of the Project Results

UOWM is expected to contribute to the dissemination and exploitation of the project results by the following actions:

- Support the dissemination and exploitation of the activities and results of the project, e.g. upload the project's leaflet or other kind of dissemination material to the University's and Department's website, disseminate via social networks (LinkedIn), share the role of associate partner to other meetings, etc..
- Contribute in depicting special needs of the Energy Sector related to the project's actions.
- Act as a consultant and provide feedback and proposals for appropriate adjustments of the Master Program syllabus and its professional module.
- Facilitate and promote the establishment of dialogue and communication channels with large and small companies in the energy sector that are willing to share technology knowledge and to participate in the project. The UOWM is located in the region of Greece with the highest installed capacity of conventional power plants and the university has strong bounds with the energy sector and collaboration with the Public Power Corporation (PPC) of Greece and the Distribution Network Operator (DNO). Moreover, the region of Western Macedonia is facing the transition to a post-lignite era and several structure and infrastructure changes are planned in close collaboration with the UOWM. Thus, this is an ideal timing for designing and promoting ideas and educational courses regarding innovative trends in the energy sector.

2.24 University of Agriculture – Krakow (PL)

Description

The main objective of the University of Agriculture in Krakow as the institution of higher education is educating experts who would find employment in the widely understood food and forest economies and specialists in environmental protection. The University aims to prepare professionals able to meet the challenges of contemporary sustainable development based on ecological rules of management and utilisation of the Earth resources.

Contribution to the Dissemination and Exploitation of the Project Results

The scientists will participate in different national and international programs, projects, researches, conferences and they will disseminate project idea and items there.



3. Exchange Links

All partners have been encouraged to include the link to the GrEnFin project in portals/websites related to the contents addressed by the project. Since the link to the page is permanent, and since the portal will remain available not only for the entire duration of the project, but also after its end, it has the function of promoting Sustainability.

The list of Exchange Links is available at <https://GrEnFin.eu/MNG-press.php>.



ACCEPT Project

ACCEPT Project "Empowering communities in the energy transition" (Horizon 2020 programme, grant agreement No 957781). The Core of ACCEPT is the concept of "energy communities" with the collective approach to bring citizens, local businesses and organizations together to produce and consume, locally generated, renewable

energy. The EU-funded project intends to develop and deliver a digital toolbox, that allows such energy communities to offer innovative digital services to reduce the dependency on fossil fuels, save energy in the users households and thus be able to reduce their electricity bill without compromising the quality of living, but ideally increasing the comfort in their homes through smart devices. In ACCEPT these developed tools will be demonstrated and validated in four pilot sites in Greece, the Netherlands, Spain and Switzerland involving more than 3.000 people and 750 residences.



Climate School LMU

This is the website of the first Climate School at LMU, which took place in September 2021. The school was addressed to LMU students, and offered an interdisciplinary program on the issues posed by Climate Change with contributions from different areas, such as geography, law, economics, mathematics and social sciences. In total around 90 students took part at this school. The website was mainly used by students and lecturers taking part in the school.



Paris-Dauphine

The exchange link to the GrEnFin portal has been added among the international projects among which Paris-Dauphine has partnerships. This page has many visitors among whom are researchers and master's degree students. We are aiming to extend the description of the project on the website of Dauphine and add more details about the project once the reconstruction of the website is done.



SMEmPower Efficiency project

The objective of SMEmPower Efficiency project is to “empower” SMEs to undergo energy audits and implement their recommendations, increasing their energy efficiency. SMEmPower Efficiency reaches out to staff from SMEs and energy professionals at all levels, to connect them and to provide them with common grounds and training opportunities. The project facilitates the implementation of real practical solutions, while tackling the communication and information barriers that stop SMEs and professionals from the energy improvements. On the web page of the SMEmPower Efficiency project is available a link to the project portal then all the users may now learn about and benefit from the GrEnFin project.



EGO Energy

EGO Energy is a partner in the GrEnFin project. EGO Energy website provides information about the project together with a direct link to the Portal. Website visitors are customers, partners, professionals from the private sector, general public. Estimated visits are around 15.000 users each year. The visitors may now learn about and benefit from the GrEnFin project



WU - Ecological economics

The description of GrEnFin teaching is made on the website of the WU institute for ecological economics, accessible from the general page on teaching of the institute. It is mostly targeting students interested in following courses of programmes that the institute is organizing or taking part to. An average of 7.000 interested users visit each year WU website.



Pixel's twitter profile

During the 11th edition of the Future of Education, International Conference held online (on a highly interactive e-Platform) on 1-2 July 2021, Elisabetta Delle Donne presented the GrEnFin project describing the project aims and activities. The tweet provides a direct link to the project portal then all the users (partners, lecturers, associated partners and people interested in the project) may now learn about and benefit from the GrEnFin project.



Fiction Project

The Fiction project has the aim to provide science teachers with the skills to use digital tools and strategies for teaching at secondary school level. On the web page of the Fiction project is available a link to the project portal then all the users (partners, lecturers, associated partners and people interested in the project) may now learn about and benefit from the GrEnFin project



VRsciT Project

VRsciT project aims to explore new approaches in educational tourism, such as 3D modelling together with 360° immersive VR environments, to build innovative virtual educational scenes. On

the web page of the VRsciT project is available a link to the project portal then all the users (partners, lecturers, associated partners and people interested in the project) may now learn about and benefit from the GrEnFln project



Anthropocene Project

The Anthropocene project aims at preparing the European youth to new environment challenges brought about by two converging accelerations: an economic and a digital one, which are creating a new environment they

need to be prepared to. On the web page of the Anthropocene project is available a link to the project portal then all the users (partners, lecturers, associated partners and people interested in the project) may now learn about and benefit from the GrEnFln project



Birkbeck

Birkbeck, University of London is one of the 14 founder partners of GrEnFln. It is UK no.1 evening university. Divided in two campuses, it is composed of 5 Schools and 19 departments. The website is targeted to provide information about the GrEnFln project to users from Universities, Associations, Public bodies, Schools and students.



Cosy Project

The Cosy project has the aim of providing undergraduate students with competences on complex systems thinking and academic lecturers and managerial staff with knowledge, skills and tools for adapting their educational activities with a specific focus on sustainable development by integrating complex systemic thinking. On the web page of the Cosy project is available a link to the project portal then all the users (partners, lecturers, associated partners and people interested in the project) may now learn about and benefit from the GrEnFln project.



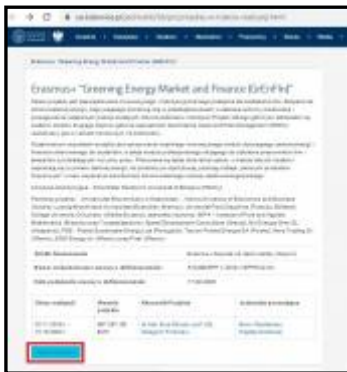
Pixel

Pixel is partner in the GrEnFln project. Pixel website provides information about the project together with a direct link to the Portal. Users from Universities, Associations, Public bodies, Training Agencies, Schools, participants in the International Conferences on Education and people interested in the seminars/masters visit Pixel website (estimated visits are around 12.000 users each year). They may now learn about and benefit from the GrEnFln project.



JF Digital Energy LDA

JF Digital is a partner in the GrEnFln project. JF Digital has a group of experts in business management and energy engineering, technical installations and audits, innovation and development projects, and technical team training for all energy areas. Promoting synergies between Education and Research Institutions, Energy Service Companies and Public Policy Makers is one of the pillars of the Company, allowing it to be at the forefront of the market, whether at national or European level. The website reaches about 980/ 1.000 visits per month.



University of Economics in Katowice

Erasmus+ "Greening Energy Market and Finance (GrEnFlIn)"

A description translated into Polish language follows the UE Katowice rules how to describe the projects that run at university. Visitors covers supervisory boards of higher education as well as accreditation bodies (around 50) – this page is mainly devoted to them however it is fully available.



Alma Mater Studiorum - Università di Bologna

UNIBO is the coordinator partner of the GrEnFlIn project. UNIBO website provides information about the project together with a direct link to the Portal. Based in five campus (Bologna, Cesena, Forlì, Ravenna, Rimini), with a branch in Buenos Aires, the University of

Bologna offers more than 200-degree programmes among its 32 Departments and 5 Schools, attended by almost 90.000 students. Users from Universities, Associations, Public bodies, Schools and students interested in the seminars/masters/ research projects visit UNIBO website and could learn more about the GrEnFlIn project.



Hera Group Website

Hera Group is partner in the GrEnFlIn project. Hera Group website provides information about the project together with a direct link to the Portal. Visitors and General Public (Hera Group employees, Customers, Associations, Training Agencies, Schools, Universities ecc..) interested that visit Hera Group website (estimated visits are around 2,1 million users each year) may now learn about and benefit from the GrEnFlIn project



MIWenergia

MIWenergia is partner in the GrEnFin project. MIWenergia has a place on its website to inform about all of the R&D projects where the company is involved. General public (possible clients), current customers, commercial partners, press and stakeholders and users from R&D projects. The visits during last year reached 35.300 , those visitors may learn about the benefits of the GrEnFin project.



Speed Development Consultants

SPEED SA website users are professionals from the private sector, the public sector, municipal and regional authorities and general public. Details of the project are given in the news pages (in Greek & English languages) with regular news posts. The number of visitors for the last 12 month period was approximately 2.100



Ludwig-Maximilians-Universität München

LMU is partner in the GrEnFin project. The website of the working group “Financial Mathematics” at LMU provides information about the project together with a direct link to the Portal. Especially, we try to highlight the benefits of the project for students at LMU, which are namely the GrEnFin summer schools, the pilot class and the planned Joint Master Degree. The website is of interest for all students of the Bachelor and Master Degree in “Financial Mathematics” at LMU as well as for researchers in this field. We use the website to announce and inform about current or future lectures and seminars, as well as to provide more information about the work going on in the research groups, i.e., publications and preprints.

Greening Energy Market and Finance



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



University
of Economics
in Katowice



The information and views set out in this publication are those of the authors and do not necessarily reflect the official opinion of the European Union. Neither the European Union institutions and bodies nor any person acting on their behalf may be held responsible for the use which may be made of the information contained therein.

