



*Greening Energy
Market and Finance*

*Kick off Meeting for the
Erasmus+ Knowledge
Alliances 2019 selected
projects*

Brussels, 4th February 2020

Silvia Romagnoli



With the support of the
Erasmus+ Programme
of the European Union



What are we trying to accomplish

Gap in the education: Currently the academic offer is not providing the knowledge required by the **EU energy sector** to manage the smooth **transition to a low-carbon economy**

In line with the key elements of the Innovation Union and the EU Higher Education Modernisation Agenda, we aim to provide the **Energy Sector's stakeholders** (energy providers, private companies, research institutes,...) the figure of the **Sustainable Energy Experts**, i.e. European high skilled professionals capable to face the changing challenges in the economic system with an inclusive global logic.



How is it done today?

- Based on official sources (www.masterstudies.com/Master-Degree/Energy-Management) we elaborated a needs analysis which highlights that currently there isn't any educational offer able to deliver the necessary competences of the Sustainable Energy Expert.
- The current offer provides separate educational paths focused on specific fields concerning the **engineering knowledge of the green sources of energy, the sustainable economy and the quantitative skills in risk management and financial engineering**. Given the expected key role of the SEE in favoring the transition to a more sustainable economy, he must combine all these competences. As matter of fact we believe that only an **interdisciplinary approach** could allow us to educate such a pivotal actor able to assure for a vital economy with an environment-preserving behavior.



What is new/innovative about our approach and why do we think it will be successful?

The first level of innovation should be identified in our main expected results, i.e. the development and piloting of:

- an innovative **Joint Master Degree** in the Green Energy and Finance targeting young students
- a **Professional Module** to train companies' staff and experts already active in the labor market

The innovation is in either the **contents and the methodologies**:

- Interdisciplinary approach and joint work of **academia-industries** aimed to understand the **needs of the energy sector stakeholders**, to reach any target groups and to identify the best way to transfer the needed competences.



If we succeed, what difference will it made in the short and long term?

The **main expected impact factors** could be listed as:

- Availability of **specialized professionals in the energy sector**
- Guaranteeing **placement and employability** of SEE
- Promoting the **inclusion of the industry in the educational field**
- Promoting **education of socially responsible citizens** with regard to sustainability
- Disseminating **best practices** to address energy cross-border challenges for sustainable development of EU
- Developing and consolidating **long-lasting network in the energy sector** and cooperation among industries and academia





How are we going to do it?

The phases of GrEnFin project, identified and discussed during the **kick off meeting (Bologna, 27-29 November 2019)** are:

- **Map the Energy Market and identify the Target Groups:** Producers/Suppliers, Traders/Retailers, End Users, Other (Financial institutions, Funds, Insurance companies,...)
- **Survey:** Collect the needs of the stakeholders.
- **Report:** Analysis and comparison of the existing educational programs in related fields, i.e. Energy and Finance
- **Definition of the Professional Profile and competences** to transfer: Final Draft of the EP and PM in term of learning outcomes and methodologies
- **Testing phase:** Test of contents and methodologies in the Summer Schools (academic EP and PM)
- **Piloting phase:** Validate the educational path through a Pilote Class
- **Corrective Actions:** based on the stakeholders' feedback
- **Accreditation Procedures**



How are we going to ensure the visibility and dissemination of the project results?

- **Dissemination Task force: Associate partners**
- **Survey** (EU/international): dissemination and development of the project through the identification of the target groups, overview of the dissemination channels and collection of the energy sector's needs
- **Local and international dissemination activities**, umbrella organization workshops
- **GrEnFln Platform**, having a societal and business impact in the energy market and supporting its community
- **Boosted dissemination**: connection with **KICs**



Greening Energy Market and Finance



With the support of the Erasmus+ Programme of the European Union