



University
of Economics
in Katowice



your place



your space



your future

An interdisciplinary approach to sustainable finance through supporting green finance education

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Motivation

- **Marginalization of quantitative subjects (students / university)**
- **No strictly quantitative specialties**
- **Build bridges between quantitative and qualitative items**

Plan

- 1) ARIMA specialization "Quantitative Asset and Risk Management,,
- 2) strategic partnership
- 3) partnership of universities
- 4) International projects

Current status of changes in the energy market

2030 EU strategy emphasized the need of low-carbon energy transition and choice of circular economy goals:

- sustainable finance
- green energy and
- quantitative methods
- as well as topics in energy and climate policy is crucial.

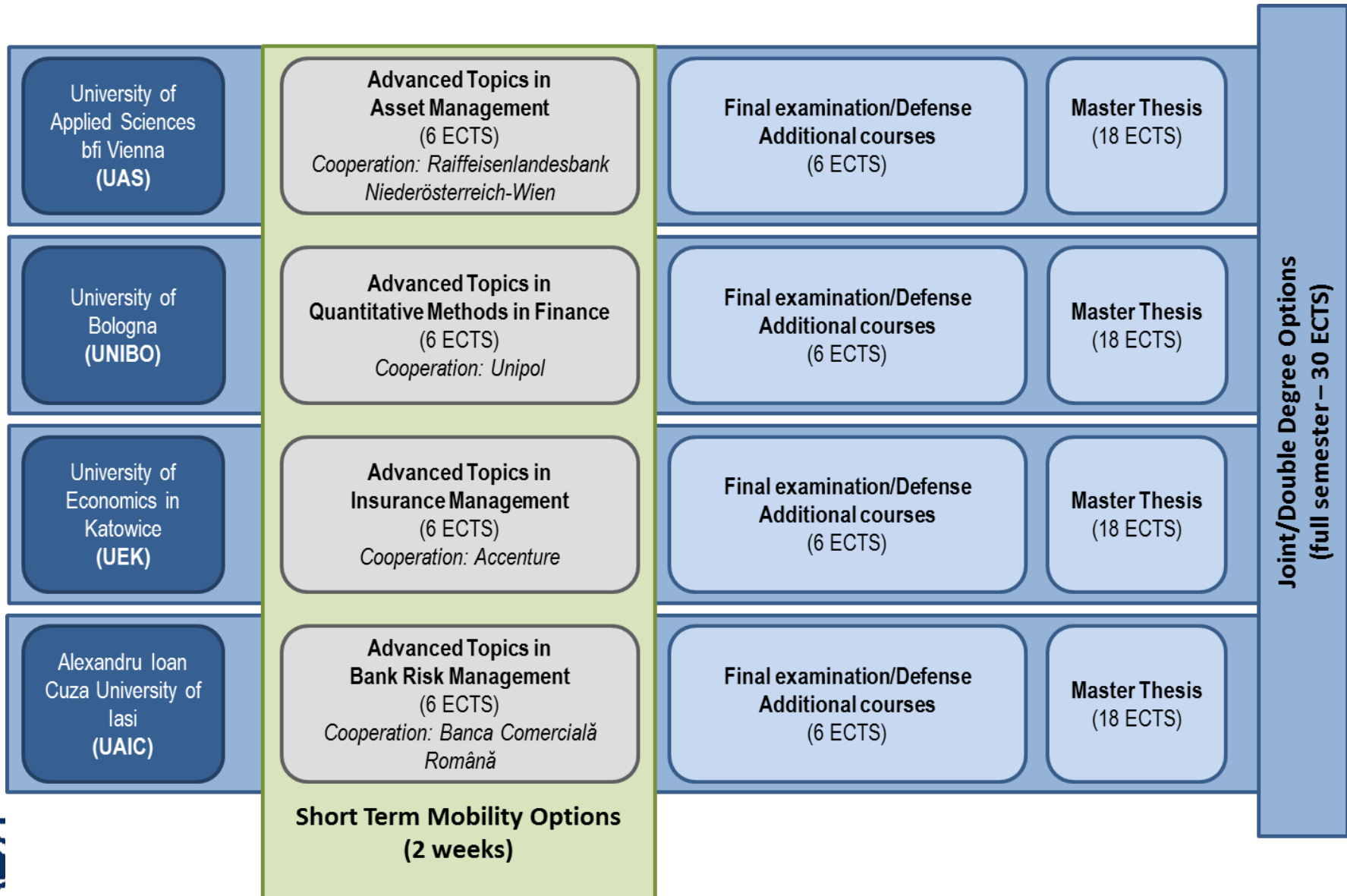
(2) Strategic partnerships

“Advanced Topics”

- Intensive programme with business partner
- Case study



(3) Short term or/and long term mobility



(4) International projects



- Erasmus+ Knowledge Alliances
- Greening Energy Markets and Finance:
 - to educate a Sustainable Energy Expert through a joint study program addressed to university students and
 - to educate a professional module addressed to employees actually operating on the labor market in the energy sector



GrEnFin Project

Erasmus + Action 2: Knowledge Alliances, universities + enterprises which aim to promote innovation and creativity, exchange knowledge and support interdisciplinary learning (these are so-called central projects, managed by the Education, Culture and Audiovisual Sector



ALMA MATER STUDIORUM
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GrEnFin Project – innovations:

- an innovative, institutionalized and integrated joint study path at European level in the field of energy
- a professional module supplementing the knowledge of experts
- a direct involvement of business partners in the process of creating the educational path
- a pilot class in the form of two summer schools offered jointly to students and professionals
- a creation of a partnership network between the university and business



GrEnFin Project

A study path in the field of green energy and sustainable finance

MATHS / PROBABILITY / QFINANCE 18 ECTS

+ ELECTRICAL ENGINEERING 18 ECTS

+ ECONOMICS 12 ECTS + INTERNSHIP 6 ECTS

+ FINAL THESIS 18 ECTS = 72 CFU

+ Specialized Elective courses (to reach totally 120 CFU)
offered in such areas as:

- Sustainable economics,
- renewable energy,
- climate changes and finance.





GrEnFin Project

2 summer schools – introducing students to: - the green energy market, from production to distribution, - types of "green financial products"

1 professional module - training of company employees and experts already operating on the labour market.

Summer School

Summer School/ Training

Full immersion experience

Bologna
June 2020

Katowice
June 2021

Bologna June
2022



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4. Conclusion and recommendations

Pros:

- Students: possibility to participate in devoted intensive programmes, impact on their career, international group, teachers from business area
- Faculty: synergy between business partners and university partners
- University level: reputational side of the project

Cons:

- lack of experience
- beginning (starting point)



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