

Joint Doctoral Network Project

DESTINY

What is DESTINY?

- **DE**sign and **Sus**Tainability Assessment of **I**nnovative biomass production systems and value-chains in the **BioecoNomY** (**DESTINY**)
- Joint Doctoral Network
- Duration: 4 years
- Start date: 01/01/2024
- End date: 31/12/2027

Specific objectives

- Design and apply a systems approach for sustainable biomass production of required quality for supply systems in Europe
- Develop innovative, sustainable and economically-feasible bio-based product valorisations to increase industrial self-sufficiency and limits its dependency on petrochemicals
- Develop a holistic approach and related tools for the sustainability assessment of biomass production and bio-based product value chains
- Assess and develop innovative policy, governance instruments and market studies for the promotion of sustainable biomass supply systems and value-chains
- ★ Train a new generation of young researchers – bioeconomists – capable of tackling the complexity of sustainable bioeconomy solutions

Who are we?

europaean
bioeconomy
university

6 Beneficiaries



UNIVERSITÄT
HOHENHEIM



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



Universität für Bodenkultur Wien
University of Natural Resources
and Life Sciences, Vienna



UNIVERSITY OF
EASTERN FINLAND



WAGENINGEN
UNIVERSITY & RESEARCH

9 Associated Partners

Amadori



storaenso



Consorzio
Italbiotec



Metsä



+ 2 Associated Partners
linked to AgroParisTech

INRAE

**université
PARIS-SACLAY**

8 Advisory Board Members

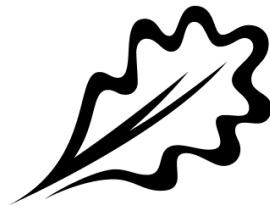
BIO
east

europeanbioplastics



UNIVERSITY OF
HOHENHEIM

 **GreenFlex**



EFI



**Circular
Bio-based
Europe**
Joint Undertaking

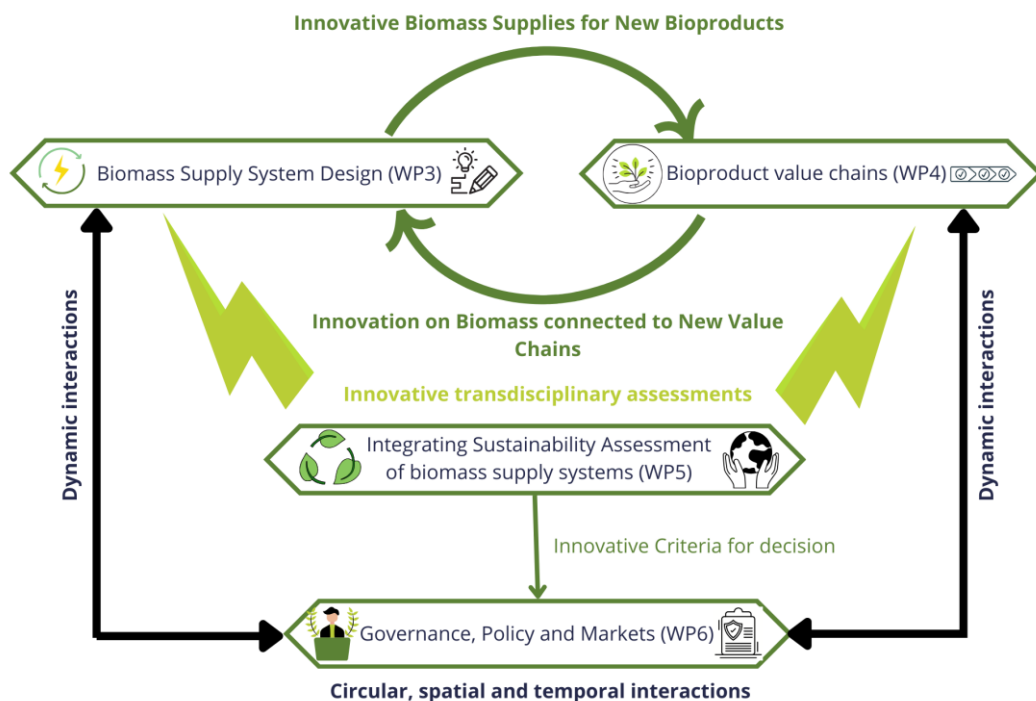


LA
COOPÉRATION
AGRICOLE



How to achieve our goals?

4 interlinked thematic WPs



- Co-supervision of 15 PhD projects
- Emphasis on technical and scientific competences as well as knowledge in social and natural sciences
- 30 supervisors with extensive academic and valorisation records
- Secondments with association partners
- 4 workshops and 3 training schools to ensure a strong emphasis on inter-disciplinarity



1 Topic
Bioeconomy



3 Challenges

Environment – Economy – Society



University of Natural Resources
and Life Sciences, Vienna



ALMA MATER STUDIORUM
UNIVERSITA DI BOLOGNA

8 Leading Academic Partners

3 Foci

1 Aim



UNIVERSITY OF
HOHENHEIM



UNIVERSITY OF
EASTERN FINLAND



europaean
bioeconomy
university



EDUCATION



RESEARCH

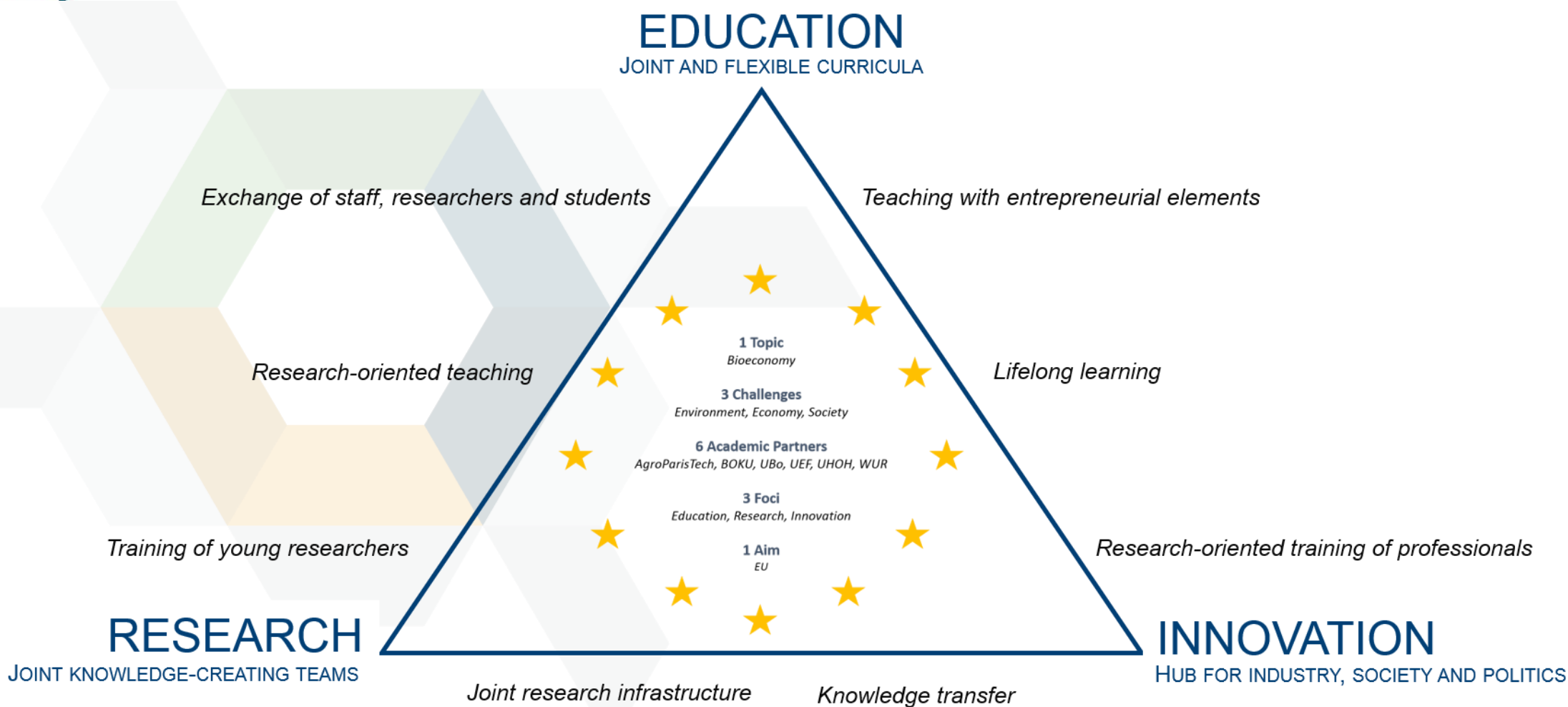


INNOVATION





Our Strategy





The FOEBE Strategic Partnership

FOstering Entrepreneurship for the BioEconomy

- ➔ Objective: to equip bioeconomy students at Master's and PhD levels with tailor-made sustainable entrepreneurship skills
- ➔ Concept:
 - Developing add-on modules for joint training in 'blended' format (digital + in-person)
 - Providing an opportunity to share innovative teaching approaches and (e-)learning resources
 - Contributing to building the EBU brand, leveraging the expertise and resources of EBU members
- ➔ Main outcomes:
 - = Two cohorts of ~30 students completed the FOEBE curriculum (2022 & 2023)
 - Integration in broader study programmes, extension to lifelong learners (ongoing FOEBE+ project)





European
bioeconomy
university

Other projects

- ➔ Erasmus Mundus Master's programme BIOCEB, involving the University of Aalto
- ➔ Bioenergy Joint Programme of the European Energy Research Alliance, involving VTT (FI), CNRS and CEA (FR)



Bioceb

European Master in Biological
and Chemical Engineering for
a Sustainable Bioeconomy

 **EERA**
European Energy Research Alliance
BIOENERGY 



Thank you