

CONVEGNO



REGIONE AUTONOMA
FRIULI VENEZIA GIULIA

In collaborazione con:



BIOVOICES
CONNECTING BIO-BASED FORCES
FOR A SUSTAINABLE WORLD



THE EUROPEAN
BIOECONOMY
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A BIOECONOMY CENTER AGENT

BIOECONOMIA

Udine

Venerdì 24 gennaio 2020

Auditorium Antonio Comelli,
Palazzo della Regione Autonoma
Friuli Venezia Giulia, Via Sabbadini 31

IN FRIULI VENEZIA GIULIA

FOCUS SULLA FORMAZIONE E L'ORIENTAMENTO A
SUPPORTO DI UNO SVILUPPO SOSTENIBILE E CIRCOLARE

*Simone Maccaferri – Alma Mater Studiorum Università di Bologna
Formare i formatori – Buone pratiche*



- Covering the entire spectrum of bioeconomy dimensions
- Providing a model for a theme-based, system- and future-oriented university that focuses on inter- and transdisciplinary as well as sectoral and European collaboration
- Taking university collaboration to a higher level of joint strategy development to:

- ➔ **educating** a new generation of **truly European experts**
- ➔ **fostering** rigorous, relevant and responsible **research**
- ➔ **transferring knowledge** into society and the economy



ALMA MATER STUDIORUM
UNIVERSITA DI BOLOGNA



University of Natural Resources
and Life Sciences, Vienna



EDUCATION



RESEARCH



INNOVATION





- Current trends and recent achievements in life science innovation
- Innovation from 'proof to concept' to market readiness
- Risk, regulation and governance of the bioeconomy
- Knowledge management and intellectual property in life sciences
- New business models and value systems
- Financing of life science innovation and changing commercial R&D models and strategies

4 Universities:



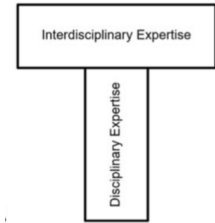
4 Companies:



www.masterbiocirce.com

Thoughts, take home messages and transferrable best practices

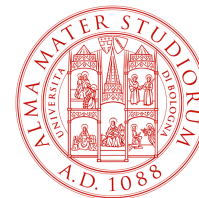
- T-shaped profiles are designed to exploit the bioeconomy potential.
- To achieve such profiles, interdisciplinary approaches and new learning environments are required during education process:
 - learn along the value chain (production-conversion-market) and related disciplines (from primary production to commercialisation)
 - be specialized in one specific area of the bioeconomy domain
 - Skills and knowledge should be merged in order to address strategic challenges → framework for cross-fertilisation and generation of combinatorial innovations
- Towards integrative professionals able to think strategically, goal-oriented, long-term perspective, as a basis → bioeconomy is large and many are the different specialisations for a number of different roles
- Self-directed learning (to stimulate motivated learning), collaborative learning (emphaty driven project work), problem-oriented learning (with external stakeholders)



Thoughts, take home messages and transferrable best practices

- Bioeconomy practitioners and researchers act as catalyst of bioeconomy development and connectors across systems and sectors
- The education of the future bioeconomists needs to focus on certain soft-skills, such as a cross-sectoral mindset, interdisciplinarity, collaboration, critical thinking, sustainability transformation, transition knowledge, active citizenship, creativity, problem-solving, entrepreneurship, digital competences, motivation, reflection, and decision-making.
- Entrepreneurial culture specific to sustainability and circular bio-economy within the entire academic community (administrative staff, faculty members and students)
- Need for public engagement embed in the education:
 - Connection with local ecosystems and stakeholders
 - Organization of events engaging students (undergraduates, graduates and PhD students) aiming at identifying and scouting entrepreneurial ideas in the circular bioeconomy
 - Attention to secondary schools

Grazie per l'attenzione
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