

SCIENCE-POLICY PANEL

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Panelists:

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BOOST4BIOEAST OBJECTIVES

1. To **boost** the active participation of all **stakeholder networks** in bioeconomy policy development, through the national BIOEAST HUBs.
2. To co-develop and improve inclusive national bioeconomy **Action Plans**.
3. To identify the **possibilities of increasing the national investment in R&I and in education** related to the bioeconomy, fostering multi-actor approach and cooperation across the macro-region.
4. To enrich and enhance bioeconomy-related knowledge by assessing **educational needs, bioeconomy competences, biomass availability and innovation systems**.
5. To contribute to the ERA by promoting a single, borderless **market for research, innovation, and technology** across the BIOEAST macro-region.
6. To develop a **Knowledge Platform**.

EXPECTED OUTCOMES



National HUBs in each
BIOEAST country



11 Future-proofed
National Bioeconomy
Action Plans



Updated BIOEAST SRIA



Policy recommendations
package and issue
papers on priority
research areas



BIOEAST Knowledge
Platform + national HUB
mini-sites



Macro-regional Open
Innovation Challenge
(OIC)



Mapping bioeconomy-related knowledge, educational materials & needs

What has been done?

Survey to HUBs/TWGs and their stakeholders to identify needs and gaps in Bioeconomy education in the BIOEAST

Mapping of educational materials across Europe and the BIOEAST

Expected results

Identification of main needs and gaps in types of education, target audiences, and bioeconomy education fields.

Database of ready to use educational materials

Usability in Boost4Bioeast

Educational materials available for HUBs and TWGs

Support the roadmap for BIOEAST UniNet

Support policy recommendations

BIOECONOMY RELATED INNOVATION ECOSYSTEM MAPPING

Goal: mapping of circular bioeconomy innovation ecosystem in the BIOEAST macro-region, and its subsequent analysis, and, from these insights, develop recommendations for policymakers on structuring support policies and financial instruments to fully harness the innovation potential of the bioeconomy in these countries.

- Policy context: an inventory of EU, national, and regional strategies relevant for the circular bioeconomy in the BIOEAST region
- Introduction to the macro-environment for innovation in the BIOEAST Member States: analysis of structural and performance indicators for research, development, and innovation in comparison with the EU
- Overview of policy instruments supporting bioeconomy research and innovation
- Overview of public and private funding and financing opportunities for bioeconomy research and innovation
- A brief presentation of other macro-regional collaborative initiatives
- Collection of key initiatives, organisations and projects in the member states in bioeconomy research and innovation

Utilization in BOOST4BIOEAST:

- Supporting the identification of bioeconomy innovation challenges
- Completing other mappings in the project; inputs for the SRIA update and action plan design; general assistance for HUBs

Multi-dimensional mapping of competences and biomass potential



What has been done?

- **Indicator framework methodology** to assess national readiness for the bioeconomy.
 - 29 Competencies indicators: workforce skills (social competencies), technological readiness (technological competencies), business and innovation environments (economic competencies)
 - 35 Biomass potential indicators
- **Guideline** for indicator assessment

Expected results

- Assessment of a country's sustainable biomass production and valorisation potential: ***biomass production, biomass valorisation & economic potential***, and ***data quality & accessibility***.
- Assessment of a country's ***existing skills and knowledge for bioeconomy, infrastructure and technological capabilities, bioeconomy business models and their supportive systemic framework***.

Usability in Boost4Bioeast

- Supporting the establishment of national Actions Plans.
- Conducting a gap analysis by identifying desired levels per indicator, per country.
- Deriving insights for policymakers.

CEE2ACT in a nutshell



Main Objective

Empowering 10 CEE countries to develop circular bioeconomy strategies through knowledge transfer and a bottom-up approach.

Key Activities

- Establishing **National Bioeconomy Hubs** for local collaboration.
- Creating **National Bioeconomy Roadmaps** for strategic action points.
- Signing **MoUs** to maintain synergies and long-term collaboration.
- Creating **e-solutions** for green transition.
- Developing a **training programme** and a Knowledge Agenda Chapter for advancing the bioeconomy strategy.

