What's Next for

Bioeconomy education



This factsheet presents key insights and recommendations from a collaborative workshop on bioeconomy education. The workshop addressed education-focused recommendations and

policy-focused recommendations. It featured contributions from multiple EU projects and initiatives, involving over 60 participants from 34 different initiatives and 28 countries.

bioeconomy education? VET and Life-long and life-long learning in the bioeconomy

Held on 29 October 2024, the BioGov.net

European Policy Workshop "What's next for

About the workshop

Key Highlights: • Expert Contributions: Presentations from innovative training approaches and policy

• Interactive Dialogue: A collaborative Miro

- **session** facilitated discussions on shaping educational and policy frameworks. **Key Presentations:**
- **Research)** Findings from 8 Communities of Practice (CoPs), addressing regional

• Selenia Marinelli (FVA - New Media

High-level summary of the workshop participants' recommendations

educational and community engagement

Raise Public Awareness of the bioeconomy through wide-reaching • Nadia Sansone (Unitelma Sapienza) -Lessons from the Circular Bricks project, focusing on train-the-trainer materials for Eddy Grand-Meyer (European Schoolnet) –

Viola Pinzi (European Association for the

Educational Guidelines supporting **regional**

Education of Adults) - Engage4BIO

bioeconomy hubs.

Scientix, fostering collaboration across • Han van Osch (AVANS) – Takeaways from the ICA CoP Bio-Edu workshop on life-long

STEM education recommendations from

The workshop played a vital role in co-developing strategies to enhance

activities. Modernise Curricula to embed circular bioeconomy knowledge and transversal skills at all educational levels.

Strengthen Policy Integration by aligning bioeconomy education with broader sustainability goals and multi-ministerial approaches.

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Continuous monitoring & evaluation Take stock of previous EU-funded and Promote the regular assessment of educational packages, guidelines for bioeconomy education programs to ensure platforms, etc.)



Public awareness and engagement

· Promote bioeconomy in the wider discourse

community education and engagement

learning) to support the citizens and students in taking an active role in the

- Skills needed Bioeconomy transition requires transversal skills like critical thinking, innovation thinking, entrepreneurship, and system Foster holistic understanding to meet the complexity of the bioeconomy education.
- **Curriculum modernisation**

Connect bioeconomy education response

 Circular bioeconomy should be treated as a Promote interdisciplinarity and crossover

to evolving industrial and market demands. Foster co-creation of innovative curricula.

oriented teaching, coaching, Lab Works,

Promote innovative approaches to address

Innovative teaching approaches

P Co-Creation of Educational Recommendations

Strategic policy integration

• Facilitate a multi-ministerial approach to

Policy-Focused Recommendations

Inclusion and accessibility

 Promote tailored formats (Adaptable Course Content, visual storytelling, Art, Virtual

the Primary sector, NEETS, and migrants)

 Developing assessment tools to measure the impact of bioeconomy education on students' knowledge and skills. Train the trainers & lifelong learning Support continuous professional

Practical experiences & industry collaboration Break down silos, promoting partnerships

Teachers should be the first to be educated

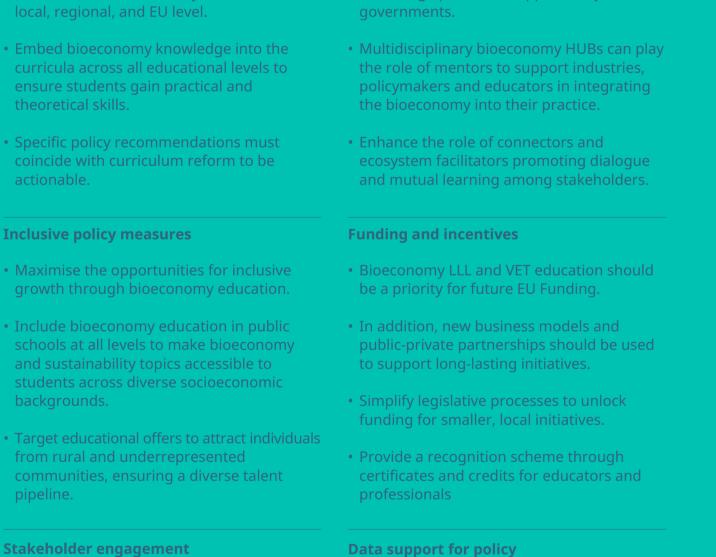
actionable lesson plans, resources and

communities, environmental organisations, etc. to identify systemic interrelations, market needs and implement hybrid Support the creation of multi-actor Regional Hubs to connect education with local policy

and alliances with industry, educators, local

Supportive networks and structures

 Support the dissemination of success stories, tools and resources, through knowledge platforms supported by



Learning Hubs, fostering collaboration across disciplines, promoting knowledge quidance for future policies and initiatives in transfer from industry to education and bioeconomy education (mapping impacts of aligned with bioeconomy political and gaps, training programs, initiatives, case

Engaging stakeholders in defining

Support the creation of Interdisciplinary

Work experience and vocational training

adaptive systems like collaborative learning

Foster partnerships to facilitate more

training focused on bioeconomy.

Co-Creation of Policy Recommendations

Monitoring and Skill Alignments

platforms to bridge skill gaps.

Monitoring labour market trends and local

Boost awareness and empowerment of

Provide systematic data collection for better

"Bioeconomy education to enable the transition to a competitive, regenerative, and fair (bio)economy. Building the next union of skills in the bioeconomy", organized in Brussels by the European Commission's DG Research & Innovation on 20 November 2024, towards the revision of the **Key EU Projects:**

Concluding Remarks The bioeconomy transition requires coordinated efforts from educators, industries, policymakers, and communities. By embedding bioeconomy literacy and transversal skills across all educational levels, we can foster an inclusive, innovation-driven workforce that supports sustainability goals.

European Bioeconomy Strategy.

The outcomes of this collaborative workshop were showcased to around

100 experts in bioeconomy education participating in the high-level event

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For more information, please contact:

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This factsheet was compiled from inputs gathered during the 29 October 2024 VET and Life-long Learning workshop.

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For more detailed information, BioGov.net

DOWNLOAD

Further Resources

Workshop Materials: Aggregated PPTs

and resources shared during the event.