

Association for European Life Science Universities Community of Practice for Bioeconomy Education

ICA CoP Bio-Edu WORKSHOP as the follow-up to the WEBINARS held on 4 and 5 November: Status and Future of Bioeconomy Education - Learning from EU projects

to be held Online on Friday, 19 November 2021, 9.00 to 11:30 CET

A Target Audience

Participants of the Webinar and other members of educational or other Institutions involved or interested in Bioeconomy Education as well as members of EU projects with full or partial focus on Bioeconomy Education.

B Workshop Focus

The Bioeconomy is complex with many enterprises interacting in the circular economy. At all levels of education there is a need to develop new instructional constructs or modify existing programmes. This updating will ensure that we address the requirement to deliver our students with the skills to support the change from a fossil fuel economy to the green circular economy of which the sustainable circular Bioeconomy is a central part.

We heard at the Webinars on November 4th and 5th reports from several EU Commission projects focusing on Bioeconomy education. Outcomes of completed and ongoing projects were presented. The Workshop aims to consolidate the current perspective for innovation in education for the Bioeconomy at all levels from schools through vocational education and training (VET), universities, life-long learning and society in general – there is the need to challenge the perspective of those responsible for education at all these levels.

C Topics to be discussed as result of the Webinar in the Workshop

In the Webinar the focus was on how projects have impacted on the different target groups and identification of the need for new developments in education for the sustainable circular Bioeconomy. As a result of the discussion the following topics and questions – among others - have been identified, that need to be addressed in the community of Educators:

- **Communication with respect to terminology and Acronyms.** Do the different stakeholder have the same understanding about topics of the bioeconomy? How are “sustainability” and “circular economy” perceived in relation to the bioeconomy? Are related acronyms (like “SDG” or the acronyms of the projects) known and used?
- How to inform/educate the different **recipient levels** (public, school pupils, students, employees, industry, politicians, funding organizations, investors etc.): **To whom? When? What to deliver?**
- Is there a special focus for Bioeconomy in the **macroregions** (like CEE) and/or **rural regions** and does this have an impact on the delivery of Bioeconomy education? What counts as Bioeconomy in the different macroregions? Should low value bioproducts be integrated? And how can education support the development of high value, innovative bio-products in these regions? How can politicians be convinced about the need to transition to the sustainable circular Bioeconomy and away from the fossil fuel economy?
- How to realise “**post project exploitation of results**”, which includes the use of different platforms and the need of maintenance. How much is this a prerequisite for future developments? How can we benefit more from the achieved tools and knowledge? And how to integrate this in the development of new projects?

E Workshop program:

Workshop: Friday 19 November

• 9.00 CET	Welcome and Introduction to the Webinar Workshop Ingar Janzik , Forschungszentrum Jülich GmbH and Bioeconomy Science Center (BioSC), Germany
• 9.20	Workshop part I: (3 Breakout-Session dedicated to different recipient groups) Questions to be addressed: A: The communication challenge of terminology and acronyms at the different levels B: Recipient levels: To whom? When? What to deliver?
	<ul style="list-style-type: none"> • Information and awareness raising: Public perception and active participation of social groups • Elementary and High Schools (specific programs, structures, examples)
	<ul style="list-style-type: none"> • Bachelor and Master programs at Universities and Universities of Applied Sciences (specific programs, structures, examples) • Vocational training (as part of high school, university or other programs)
	<ul style="list-style-type: none"> • Training of experienced employees involved in Bioeconomy processes (Life Long Learning), involvement of the industry • Information and awareness raising: Related stakeholders and policy makers, funding organizations and investors (local and on European level)
• 10.00	Break
• 10.20	Workshop part II: (3 Breakout Sessions dedicated to different recipient groups) Questions to be addressed: C: Macroregions and rural regions D: Post project exploitation of results

	<ul style="list-style-type: none"> • Information and awareness raising: Public perception and active participation of social groups • Elementary and High Schools (specific programs, structures, examples)
	<ul style="list-style-type: none"> • Bachelor and Master programs at Universities and Universities of Applied Sciences (specific programs, structures, examples) • Vocational training (as part of high school, university or other programs)
	<ul style="list-style-type: none"> • Training of experienced employees involved in Bioeconomy processes (Life Long Learning), involvement of the industry • Information and awareness raising: Related stakeholders and policy makers funding organizations and investors (local and on European level)
• 11.00	Short presentation of group results
• 11.15	Next steps and Closure

F Expected outcomes

- Guidance in embedding the outcomes of the bioeconomy educational projects in curricular and other learning environments
- Extracting opinions and suggestions on designing new projects on bioeconomy education
- Enhancing and vitalizing networks in bioeconomy education in Europe to promote structures which push the development of thematic priorities relating to bioeconomy education in EC frameworks.

I Registration

Please register online for the Webinar at <https://forms.gle/WnuD7AwwDmDytpYeA> .

There is no registration fee. Participants of the Webinar (Part A) will receive the login-information of the workshop automatically. The **deadline** for new registrations for the Workshop on 19. November is **17. November @ 17.00**. You will be sent a link to the Webinar venue by email on Thursday 18 November.

The Webinar will be managed from Avans University of Applied Sciences, NL.

K Forum Organising Committee

Ingar Janzik, Forschungszentrum Jülich GmbH and Bioeconomy Science Center, DE; **George Sakellaris**, Czech Academy of Sciences, Prague, CZ & BioEast; **Han van Osch**, Avans University of Applied Sciences, NL; **Simon Heath**, Association for European Life Science Universities (ICA)

The Community of Practice for Bioeconomy Education

The goal of the **ICA CoP Bio-Edu** is to enhance the quality, offer and diversity of education for the sustainable circular Bioeconomy in Europe, by bringing educational actors in contact with each other, both virtually and face to face. Together, they form a professional network, to

- share experiences and good practices among educational actors coming from different educational sectors and regional perspectives,
- consult with industry and stakeholders about skills demands and educational outcomes can be organized.
- develop educational projects to develop and evaluate new educational materials, strategies and innovative training concepts and

The event is supported by



L Need more information?

Please contact Simon Heath
ICA Secretary General
Association for European Life Science Universities (ICA)

Email: ICASecretariat@ica-europe.org