

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

ICA CoP Bio-Edu WEBINAR: Status and Future of Bioeconomy Education - Learning from EU projects

to be held on Thursday 4 & Friday 5 November and on Friday 19 November 2021
from 9.00 CET on each day

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

A Webinar Focus

The Bioeconomy is complex with many enterprises interacting in the circular economy. At all levels of education - from school, vocational education and training (VET), universities and life-long learning - 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 have invited several EU Commission projects focusing on bioeconomy education to present the outcomes of their projects, or projected outcomes if the project is ongoing, at a series of Webinars this November. We have asked each project coordinator (or partner) of the project to share their experience with us of how the outcomes of their project have, or will, impact on education for the sustainable bioeconomy.

B Aims of the Webinar

- Estimate the impact of dedicated projects on Bioeconomy Education on the level of targeted groups in the projects and on socio-economic levels. Have there been measures or indicators for the impact? What do we learn from these case studies? >> Past and present situation
- Estimate the potential and impact of dedicated projects on Bioeconomy Education and consider a capacity building for the future. >> Learnings for future projects and long term implementation
- Examine key differences and particularities on regional level (e.g. “developed countries”, Eastern part of Europe, South of Europe) and how these differences are reflected in Bioeconomy education and according strategies. How is the impact of these differences on Bioeconomy Education? And *vice versa*: How strong is the effect of Bioeconomy Education on improvement and development in the different regions? That needs to be discussed also at the sectorial scale.

D 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.

E Target Audience

Members of educational or other Institutions (Higher Education Institutions, Universities, Research Centres, Public and/or Regional Administration Private Entities) involved or interested in Bioeconomy Education as well as members of EU projects with full or partial focus on Bioeconomy Education.

F Webinar Format

The Webinar will be divided in two parts

In the first part, on 4 and 5 November, various EU projects are presented that address the topic of bioeconomy education as a central focus or as an important sub-area. Here, the entire possible range of educational topics is to be covered, i.e. starting with the improvement of social perception, through primary school education and education in secondary schools, university education and vocational training, to life-long learning and learning on the job concepts. This part serves to take stock of projects that have already been successfully completed, but also of one ongoing project.

For the second part, on 19 November, the goal is to address the questions formulated as objectives within the different subtopics along with examples presented at the first part

(e.g. actions like knowledge transfer centres, specific programs, new tools, dedicated events or other measures).

G Outline Programme

Part A: Learning from project outcomes to support innovation in education for the Sustainable Circular Bioeconomy

Session 1: Thursday 4 November

| | |
|-----------------|--|
| 9.00 CET | Welcome and Introduction to the Webinar Session 1 Han van Osch , Avans University of Applied Sciences/HZ University of Applied Sciences, The Netherlands & Dutch Biobased Knowledge Network |
| 9.10 | Keynote: Developing Bioeconomy Education at Higher and Vocational Education Levels Seija Mahlamäki-Kultanen , Dean, School of professional Teacher education, Häme University of Applied Sciences |
| | Session Moderator: George Sakellaris , Czech Academy of Sciences, Prague, Czech Republic & BIOEAST |
| 9.40 | BLOOM https://bloom-bioeconomy.eu/ Gottfried Hebenstreit, EcoSocial Forum in Austria |
| 10.00 | BioCannDo Han van Osch (project Partner) Avans University of Applied Sciences |
| 10.20 | Dandelion http://www.dandelion-europe.eu/en/ Iacovos Delioglani (was the project Coordinator) FOCUS Strategic Thinking Consultants |
| 10.40 | Break |
| 11.00 | Power4Bio https://power4bio.eu/ Eva Cudlinova, (project Partner) University of South Bohemia |
| 11.20 | CELEBIO https://celebio.eu/#project Peter Canciani (project Coordinator) CEI |
| 11.40 | Discussion |
| 12.30 | Closure |

Session 2: Friday 5 November

| | |
|-----------------|--|
| 9.00 CET | Welcome and Introduction to the Webinar Session 2 Ingar Janzik , Forschungszentrum Jülich GmbH and Bioeconomy Science Center (BioSC), Germany |
| | Session Moderator: George Sakellaris , Czech Academy of Sciences, Prague, Czech Republic & BIOEAST |
| 9.10 | BioBridges https://www.biobridges-project.eu/ Susanna Albertini, FVA and EuBioNet |
| 9.30 | BioVoices https://www.biovoices.eu/ Matteo Sabini, Agency for the Promotion of European Research (APRE) |
| 9.50 | Transitio2Bio https://www.transition2bio.eu/ Chiara Pocaterra, Agency for the Promotion of European Research (APRE) |
| 10.10 | Break |
| 10.30 | BioWays https://www.bioways.eu/ Susanna Albertini, FVA and EuBioNet |
| 10.50 | BE-Rural https://be-rural.eu/ Elsa Joao, Strathclyde University |
| 11.10 | BioBec https://biobec.eu/ Davide Viaggi, University of Bologna |
| 11.30 | Discussion |
| 12.00 | Closure |

Part B - Workshop: discussion of how the projects have impacted on the different target groups and identification of the need for new developments in education for the sustainable circular bioeconomy

The detailed programme for the workshop discussion will be reviewed following the event on 4 & 5 November. Participants of the Part A will receive the update automatically.

Session 3: Friday 19 November

| | |
|-----------------|---|
| 9.00 CET | Welcome and Introduction to the Webinar Workshop Moderator: Ingar Janzik , Forschungszentrum Jülich GmbH and Bioeconomy Science Center (BioSC), Germany |
| 9.30 | Workshop part I: Focus on different target groups <ul style="list-style-type: none">• Elementary and High Schools (specific programs, structures, examples)• Vocational training (as part of high school, university or other programs) |

| | |
|-------|--|
| | <ul style="list-style-type: none"> • Bachelor and Master programs at Universities and Universities of Applied Sciences (specific programs, structures, examples) • Training of employees involved in Bioeconomy processes (Life Long Learning) • Information and awareness raising: Related stakeholders and policy makes • Information and awareness raising: Public perception and active participation of social groups |
| 10.30 | Break |
| 10.50 | Workshop part II: Conclusion and perspective |
| 11.50 | Next steps and Closure |

I Registration

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

There is no Registration fee

The deadline for registration for Part A (4 & 5 November) is Wednesday 3 November @ 12.00 CET

The deadline for registration for Part B (19. November) is Thursday 18 November @ 12.00 CET

You will be sent a link to the TEAMS Webinar venue by email on Wednesday 3 November and 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 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