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## How to shape education for a sustainable bioeconomy?

**Subworkshop d, 16 November 4.45-5.45 p.m. CET:**

**Interfacing Industry requirements, Megatrends and Bioeconomy  
Education: Top-down and bottom-up movers and drivers**

- The challenge to develop tertiary education programs to educate bioeconomy graduates that meet the range in expertise required in the CSB workforce including the need for system changers, who can support the transition to a sustainable bioeconomy.

**Key contributions to this outcome ?**





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- Identification of gaps in bioeconomy education offered by universities, training courses outside universities, capacity building initiatives and global communication in bioeconomy education, training & capacity building, that need to be addressed.

Key contributions to this outcome ?





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- The pros and cons of specific discipline-focused programs with a CSB overview versus general bioeconomy programs that impart knowledge and systems thinking across the different disciplines in CSB.

Key contributions to this outcome ?





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- Delivering life-long learning concepts to support the career pathways in the CSB

**Key contributions to this outcome ?**





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- Different expectations nationally, regionally, and globally for the expertise in the CSB workforce and the added value derived from multinational collaborations to share and promote education, training, and capacity building approaches.

**Key contributions to this outcome ?**





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- Identification of strategies to better integrate CSB in pre-academic programmes by, among others, linking teachers with practice partners in order to understand the demands on the future workforce; thereby not only raising the awareness of school pupils on CSB but also possibly influencing their career choices.

**Key contributions to this outcome ?**







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Thank you very much for your active participation in this sub-workshop. Further info can be found in brand new publications.

**Special Issues: 2<sup>nd</sup> New Biotechnology Special Issue Bioeconomy  
Biotechnology Journal Special Issue Biocatalysis**

As 60 minutes is very short for discussing this topic, we also  
your input after this session by Email to the addresses indicated  
below.

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[Jan.Lucht@scienceindustries.ch](mailto:Jan.Lucht@scienceindustries.ch)

