

BIOECONOMY CONCEPT PAPER

CZECH REPUBLIC



Mission

To develop a preliminary impact assessment and to set the framework for a national bioeconomy strategy and action plan development, aiming to generate a deeper discussion in the Czech Republic on the necessity of paradigm shift in economic thinking regarding the sustainable valorisation of biomass as renewable natural resources.



Strengths in bioeconomy

- Solid R&D network, CZ belongs to top four countries in the comparison of all types of innovation in the BIOEAST macro-region.
- Biomass potential in agriculture and forest area and in fresh water based bioeconomy.
- Biogas production and network of biogas station is rather dense in the CZ.



Opportunities foreseen in bioeconomy

R&D and innovations are key enablers of bioeconomy, the following sectors were identified to have the greatest potential for bioeconomy in the Czech Republic:

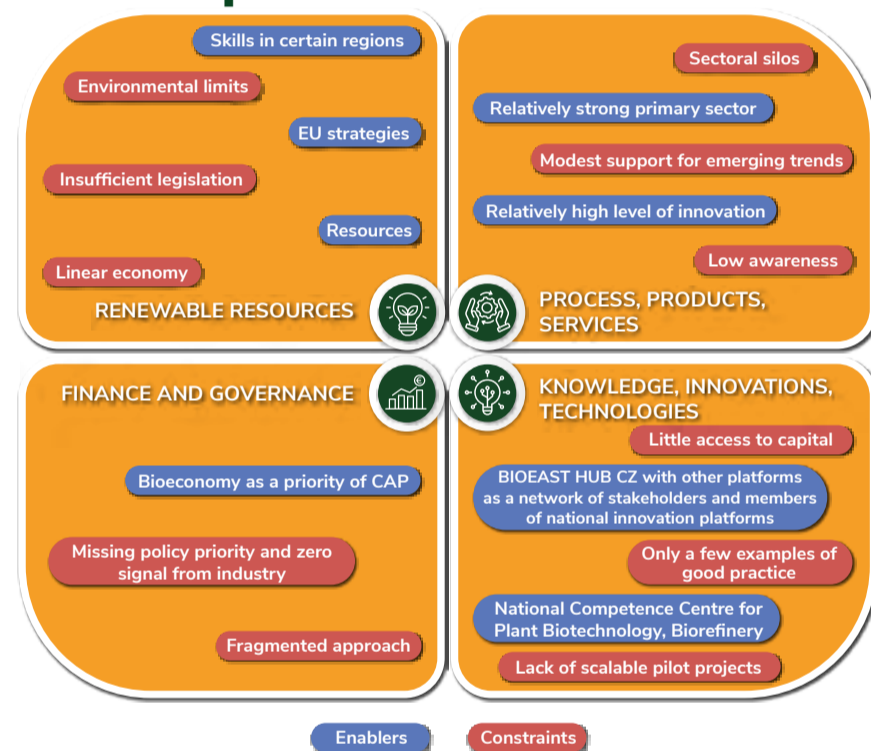
- biotechnology and breeding,
- composting and biogas,
- innovations for fresh water-based bioeconomy,
- biowaste utilisation,
- enhancement innovation projects developed in the co creation with wide range of stakeholders.



Strategic directions

- To support cooperation between research organizations and the practice and enhancement of bioeconomy education: bioeconomy is to be embedded in national strategic research agendas (e. g. Strategy of Research, Development, and Innovation of the Ministry of Agriculture for the years 2023-2032, national RIS3 strategy etc).
- To protect, restore and promote the sustainable use of terrestrial ecosystems: there is a need to so with a

Key Enablers and Constraints to Implement Bioeconomy in the Czech Republic:



special attention paid to preservation of soil, water, biodiversity, and forest with a special attention paid to innovations in biotechnology, biorefinery, new breeding techniques, biogas, composting technologies, and overall support for technologies to utilise biomass potential.

- Awareness raising and co-creative activities to engage wide range of stakeholders to get involved in bioeconomy: further development of the national BIOEAST HUB CZ with other platforms for the implementation of bioeconomy in the bottom-up approach.



Key conclusion

There is a strong need for more awareness raising and enhancement policy makers to include bioeconomy in the political agenda. The bottom-up approach to activities and facilitation of the dialogue between policy makers and expert shall continue, both national and ERDF funds should support bioeconomy innovation as key enablers for bioeconomy implementation.

Endorsement

The BIOEAST Initiative aims to build knowledge-based agriculture, forestry and aquaculture in the bioeconomy. For this reason, the BIOEASTsUP Horizon 2020 EU project was launched under the auspice of the macro-regional governmental initiative to support eleven countries in building up their own bioeconomy strategies and action plans.

