



MINISTRY OF AGRICULTURE OF THE CZECH REPUBLIC

Bioeconomy and the agriculture research

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Second Bioeconomy Course

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Bioeconomy

- The production of renewable biological resources and their conversion into food, feed, bio-based products and bioenergy independently of the processing technologies
- It includes agriculture, forestry, fisheries, food and pulp and paper production, as well as parts of chemical, biotechnological and energy industries
- The definition of bioeconomy will be updated



European bioeconomy strategy

- Bioeconomy strategy was established at EU level in 2012
- The national bioeconomy strategies are at different stages of development across the MS
- The European Commission decided to revise the current European Bioeconomy Strategy
- The European Commission is evaluating the Implementation of Bioeconomy Action Plan



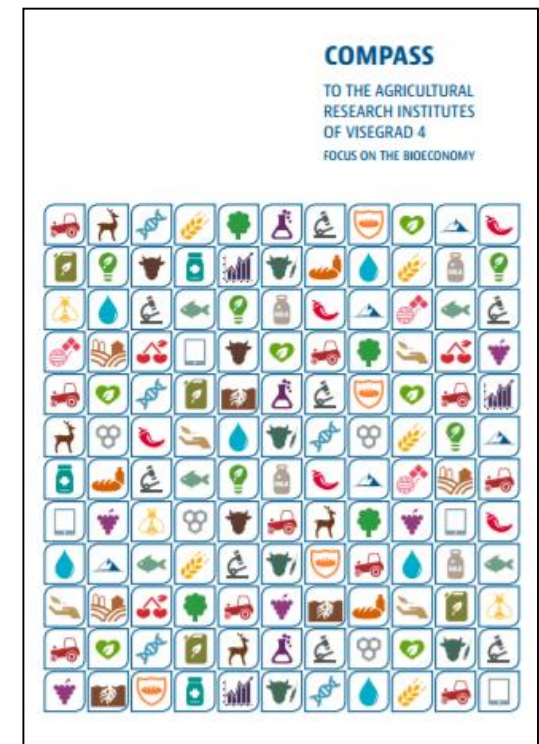
Bioeconomy in Central-Eastern European countries (CEE)

- **Bratislava Bioeconomy conference**
 - 17. 10. 2017 in Bratislava
 - The role of regions in European Bioeconomy
- **Common declaration** of the ministers of agriculture of the Visegrad group and Bulgaria, Romania and Slovenia
 - 26. 10. 2016 in Warsaw
 - stronger inclusion of the research potential of the Central and Eastern European (EU-13) countries into the implementation of projects within the Horizon 2020
 - thematic areas:
 - development of regional, national and European Bioeconomy in CEE countries
 - sustainable agri-food sector
 - area of rural renaissance



Bioeconomy in Central-Eastern European countries

- **BIOEAST conference and workshop**
 - 21. -22. 2. 2017 in Budapest
 - BIOEAST – Central Eastern European Initiative for Knowledge-based Agriculture, Aquaculture and Forestry in the Bioeconomy
 - offers a shared strategic research and innovation framework for working towards sustainable bioeconomies in the CEE countries + other countries

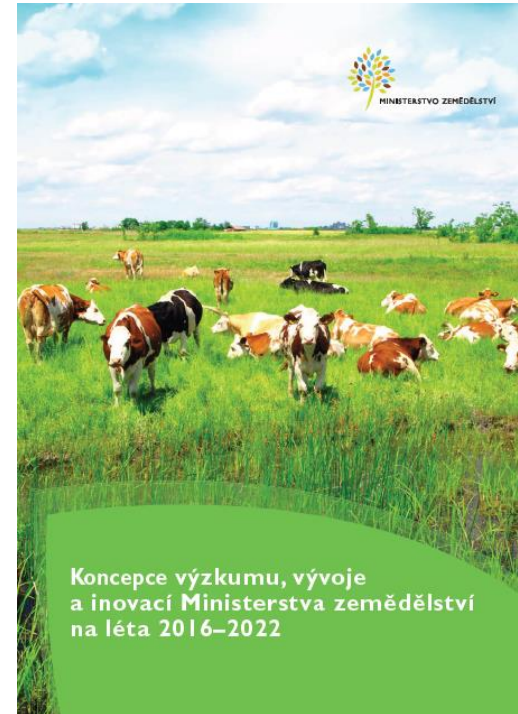


<https://drive.google.com/drive/folders/0Byr0LgT2ebz9MEdxbGU3X2cybDA?usp=sharing>



Bioeconomy and agricultural research in Czech Republic

- Strategy of the Ministry of Agriculture of the Czech Republic with outlook to the year 2030
- The Concept of Research, Development and Innovation of the Ministry of Agriculture for the years 2016-2022



<http://eagri.cz/public/web/mze/ministerstvo-zemedelstvi/koncepce-a-strategie/strategie-resortu-ministerstva-1.html>

<http://portal.mze.cz/public/web/mze/ministerstvo-zemedelstvi/koncepce-a-strategie/koncepce-vyzkumu-vyvoje-a-inovaci.html>



The Concept of Research, Development and Innovation of the Ministry of Agriculture for the years 2016-2022

The Concept of Research, Development and Innovation of the Ministry of Agriculture for the years 2016-2022		Key areas		
		Sustainable management of natural resources	Sustainable agriculture and forestry	Sustainable food production
Research focus	Soil	xxx	xx	x
	Water	xxx	xx	x
	Biodiversity	xxx	x	(x)
	Forestry	xx	xxx	x
	Plant production and phytosanitary	xx	xxx	xxx
	Livestock production and veterinary medicine	xx	xxx	xxx
	Food production	(x)	(x)	xxx
	Agricultural equipment	xxx	xx	x
	Bioeconomy	xxx	x	x



Applied "ZEMĚ" research programme of the Ministry of Agriculture for the period of 2017–2025

- Subprogram I
 - Support for Innovative Agriculture and Forestry through advanced procedures and technologies
- Subprogram II
 - Support for state policy in the agrarian sector
 - Topics:
 - Possibilities of residual biomass processing by the process of combined thermolysis to advanced energy carriers and raw materials
 - Energy self-sufficiency (rural areas)
 - Designing of modern methods and systems of soil management in order to reduce the economic and energy demands (precision agriculture)



Thank you for your attention

