

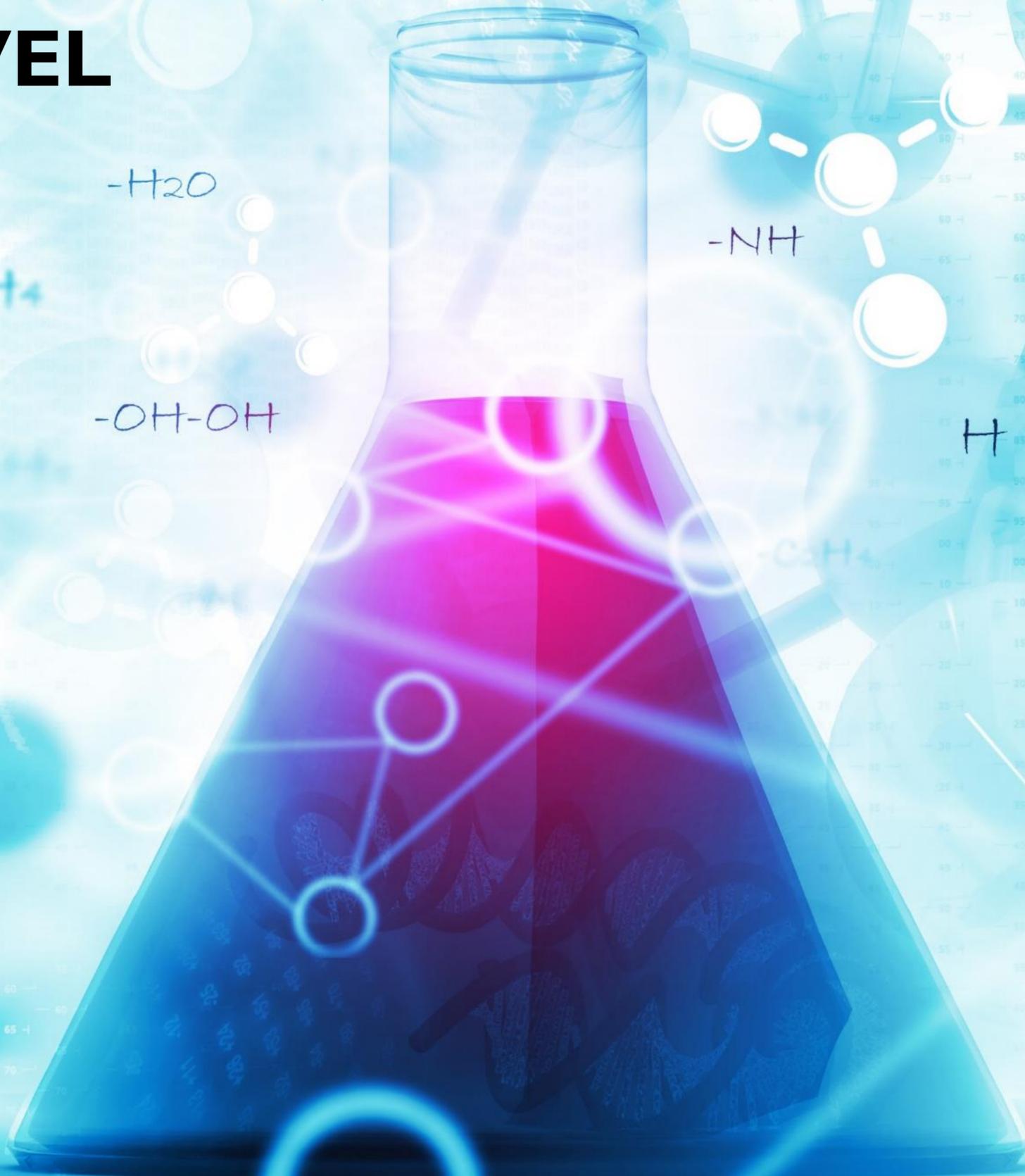
25. 11. 2020



# ACTIVITIES IN BIOECONOMY, BIOEAST INITIATIVE

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# INTERNATIONAL LEVEL



## EU BIOECONOMY STRATEGY

The bioeconomy covers all sectors and systems that rely on biological resources their functions and principles.

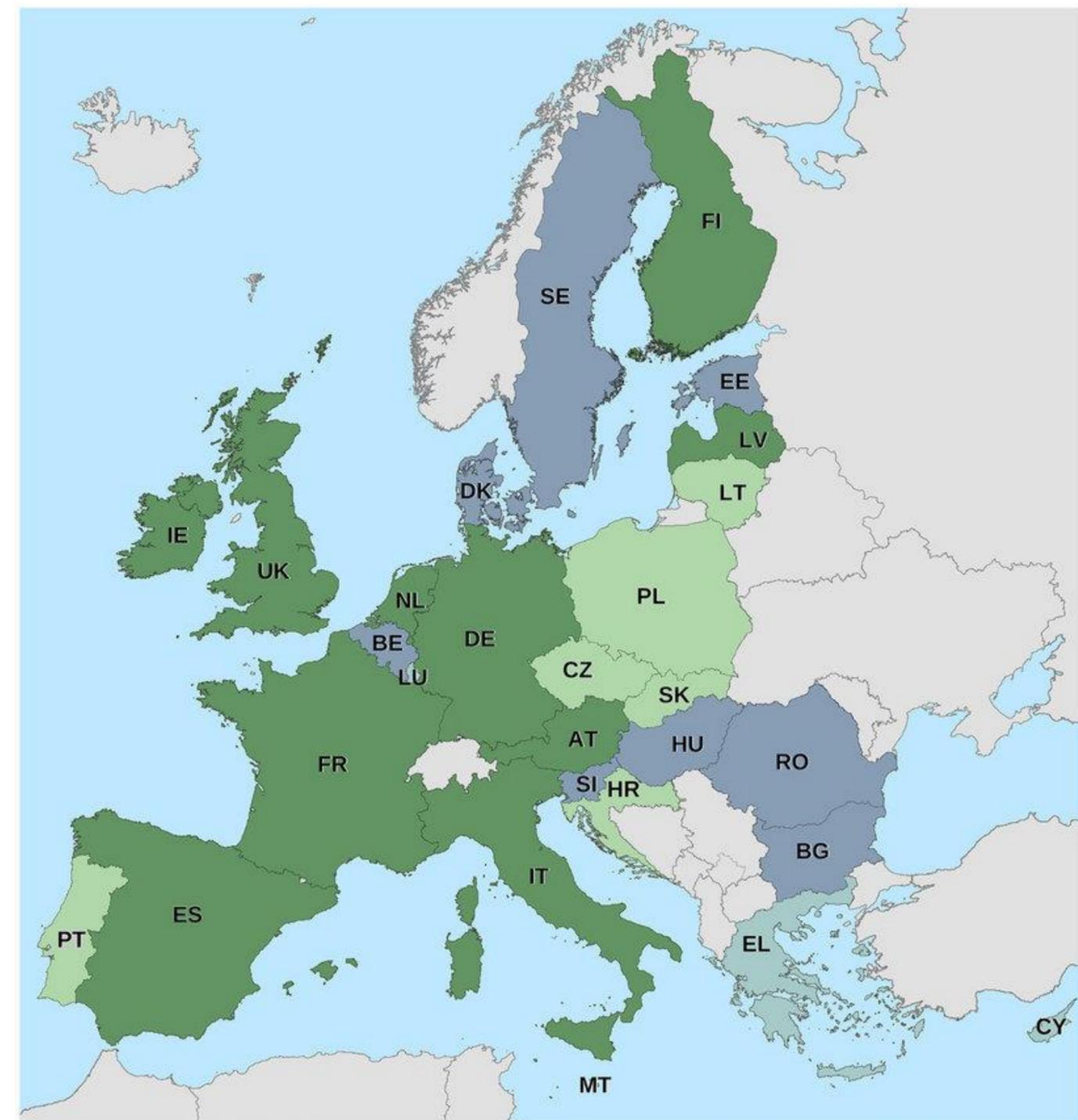
## THE BIOECONOMY STRATEGY

- Launched and adopted on 13 February 2012, Europe's Bioeconomy Strategy addresses the production of renewable biological resources and their conversion into vital products and bio-energy
- The 2018 update of the Bioeconomy Strategy aims to accelerate the deployment of a sustainable European bioeconomy so as to maximise its contribution towards the 2030 Agenda and its Sustainable Development Goals (SDGs), as well as the Paris Agreement.
- The update proposes a three-tiered action plan to:
  - Strengthen and scale up the bio-based sectors, unlock investments and markets
  - Deploy local bioeconomies rapidly across the whole of Europe
  - Understand the ecological boundaries of the bioeconomy



# NATIONAL BIOECONOMY STRATEGIES

- Dedicated bioeconomy strategy: **10 MS** (AT, DE, ES, FI, FR, IE, IT, NL, LV, UK)
- Dedicated bioeconomy strategies under development: **6 MS** (CZ, HR, LT, PL, PT, SK)
- Other policy initiatives dedicated to the bioeconomy
  - Sub-regional dedicated bioeconomy strategy: **1 MS** (BE)
  - Macro-regional initiatives: **7 MS** (within BIOEAST: BG, EE, HU, RO, SI; within Nordic Bioeconomy: DK, SE)
- Other bioeconomy-related strategies: **4 MS** (CY, EL, LU, MT)



Status:

- Dedicated bioeconomy strategy at national level
- Dedicated bioeconomy strategy at national level under development
- Other policy initiatives dedicated to the bioeconomy
- Other related strategies at national level

Status as of November 2019

Source: European Commission's Knowledge Centre for Bioeconomy  
Administrative Boundaries: © EuroGeographics © UN-FAO © Turkstat

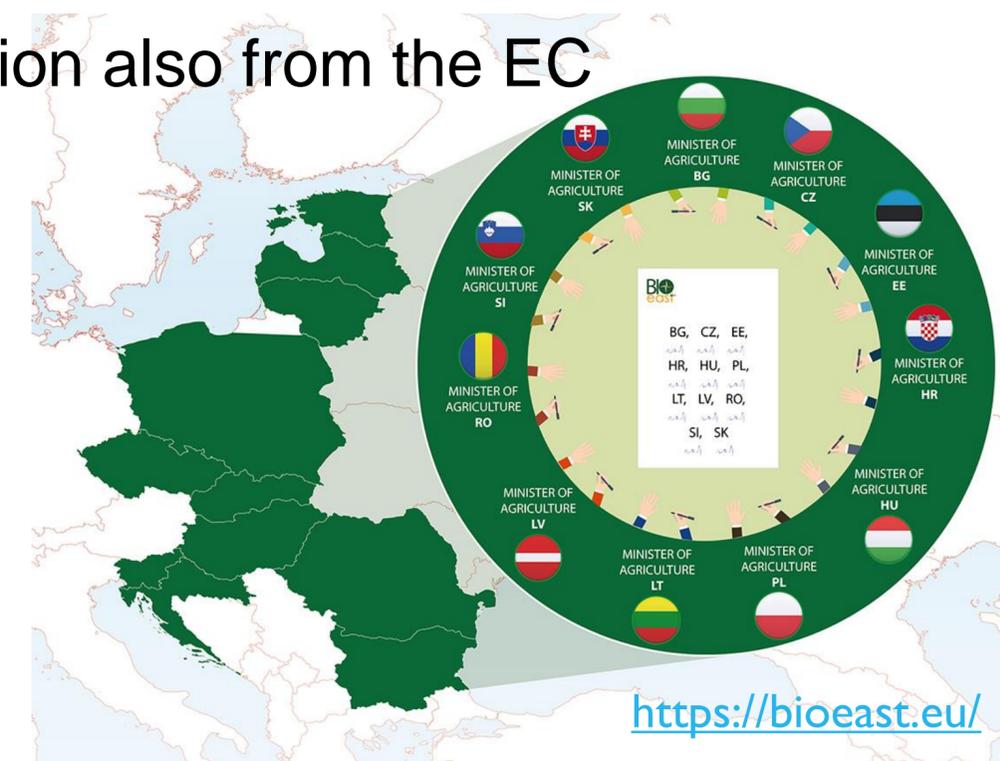
## BIOEAST

The Central-Eastern European Initiative for Knowledge-based Agriculture, Aquaculture and Forestry in the Bioeconomy



## INTERNATIONAL RESEARCH COLLABORATION

- MoA is actively dealing with the bioeconomy together with the **BIOEAST Initiative**.
- It is an open Initiative officially established in 2016, currently **11** member states
- Offers a shared strategic research and innovation framework for working towards sustainable bioeconomies in the Central and Eastern European (CEE) countries
- Bring together CEE countries who face **similar issues**
- It is a platform for **knowledge exchange** and exchange of best practices
- It is a form of **partnership** of CEE countries
- The Initiative is gaining support and recognition also from the EC
- 4 political declarations



## THEMATIC WORKING GROUPS

- BIOEAST expert groups deal with the bioeconomy from a perspective of:
  - Forestry value chain (coordinate by SK)
  - Agroecology and sustainable yields (HU)
  - Bioenergy new bio-based value chains (HR)
  - Freshwater based bioeconomy (CZ)
  - Food systems (PL)
- The thematic working groups should help align the research and innovation agenda as well as the resources of the BIOEAST countries in order for them to take part in joint support under the new research and innovation framework programme HORIZON EUROPE



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- The Member States of the BIOEAST Initiative have since the Initiative's establishment achieved systematic **growth** and they continue to work towards the **goals** set out in their **Vision paper**.
  - The Initiative itself is gaining recognition and maintains the **EC support**, which was highlighted also with numerous references in the updated Bioeconomy Strategy.
  - We hope that the research and innovation framework programme Horizon EUROPE will take into account the **specific needs** of the CEE countries, which have benefited **disproportionally** less from the last two framework programmes.

- **ROADMAP** (endorsed in November 2017)

- **VISION PAPER** (endorsed in February 2018)

- identifies the **key challenges** to address
- frames the **objectives and goals** of the initiative with a broad action plan
- paves the way for a Strategic research and innovation agenda (SRIA)

- **STRATEGIC RESEARCH AND INNOVATION AGENDA**

- **BIOEASTsUP PROJECT**

## SCAR – STANDING COMMITTEE ON AGRICULTURAL RESEARCH

- Respected source of advice on European agricultural and wider bioeconomy research, along with being a major catalyst for the coordination of national research programmes, where it has helped shape the beginnings of an integrated European Research Area.
- The Committee plays an important role in coupling research and innovation and in removing barriers to innovation, and aims to make it easier for public-public and public-private sectors to work together in delivering innovation that tackles the challenges faced in the bioeconomy area.
- SCAR currently represents 37 countries



# BIOECONOMY POLICY SUPPORT FACILITY

- Action 2.3 of the updated EU Bioeconomy Strategy
- The aim of the Expert Group: **To support Member States in development of bioeconomy strategies** and/or action plans through a Mutual Learning Exercise (MLE), notably from Central and Eastern Europe.
- MLE typically focusses on specific challenges of interest to several Member States and is supported by the independent experts. Its aim is to identify good practices, lessons learned and success factors.
- Czech Republic represented by Ministry of Agriculture and Czech Academy of Agricultural Sciences representatives

# EUROPEAN BIOECONOMY POLICY FORUM

● Action 2.3 of EU Bioeconomy Strategy

● **Goal:** To provide a **forum for dialogue** and **knowledge exchange** among Member States to support the strategic advancement of the bioeconomy in Europe

● **Specific objectives:**

- Support **networking** and **interaction** at MS level
- Enhance **cooperation** and **best practice** Exchange
- Shape a concrete agenda of **joint actions**
- Increase the **visibility** and **potential** of the bioeconomy at EU and MS level
- Enable **policy feedback** and analysis in MS and the EU

● **Outputs:**

- Common Position Papers
- Best practice case studies
- Strategic recommendations and priorities etc.

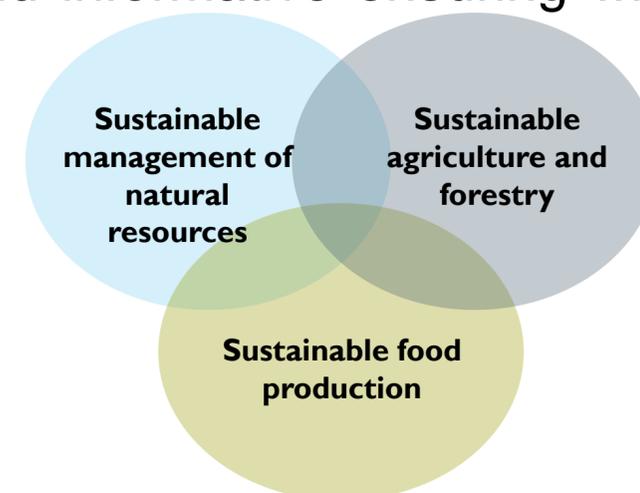
● Czech Republic represented by **Ministry of the Environment**, Ministry of Agriculture and Ministry of Education, Youth and Sports

# NATIONAL LEVEL



# MINISTRY OF AGRICULTURE

- The Ministry of Agriculture (acronym MoA) support Research, Development and Innovation (R&D) within the agricultural sector.
- The agricultural sector includes agriculture and the food industry; water, soil, forest management and rural development.
- Advisory and methodical role – main documents:
  - Strategy of the Ministry of Agriculture with a view to year 2030
  - The Concept of Research, Development and Innovation of the Ministry of Agriculture for the years 2016-2022
- Institutional support – around 20 million EUR/year for 20 research organisations
- Project support - **Applied Research Programme of the Ministry of Agriculture for the period 2017 - 2025** (Program „ZEMĚ“)
- One of the research direction is **bioeconomy** which aims to increase the competitiveness of Czech agriculture, forestry and food industry with regard to current conditions and risks, involvement and development of rural areas, use of natural and renewable resources and biological processes leading to greater economic benefits by developing comprehensive systems to support the management and informative ensuring which enable evaluation in economic, social and environmental perspective.



# BIOECONOMY

- Bioeconomy is a tool for reinsurance of the sustainable use of natural resources, respectively sustainable agriculture, forestry and aquaculture, food and feed production and amplification role of primary producers and their integration into the value chain of bioeconomy, as well on the side of forestry to involve whole value chain of following industry.
- We see the bioeconomy as a topic linking a large number of sectors (food, primary producers, waste management, water management, etc.)

## • Concept of bioeconomy from the perspective of the MoA

- Presents potential focus of future development of bioeconomy in the Czech Republic
- Given the complexity and wide focus of bioeconomy the potentials of development are solved for these topics:

- Field of ecosystems and ecosystem services
- Rural – social area
- Economic area
- Field of food industry
- Innovation and research

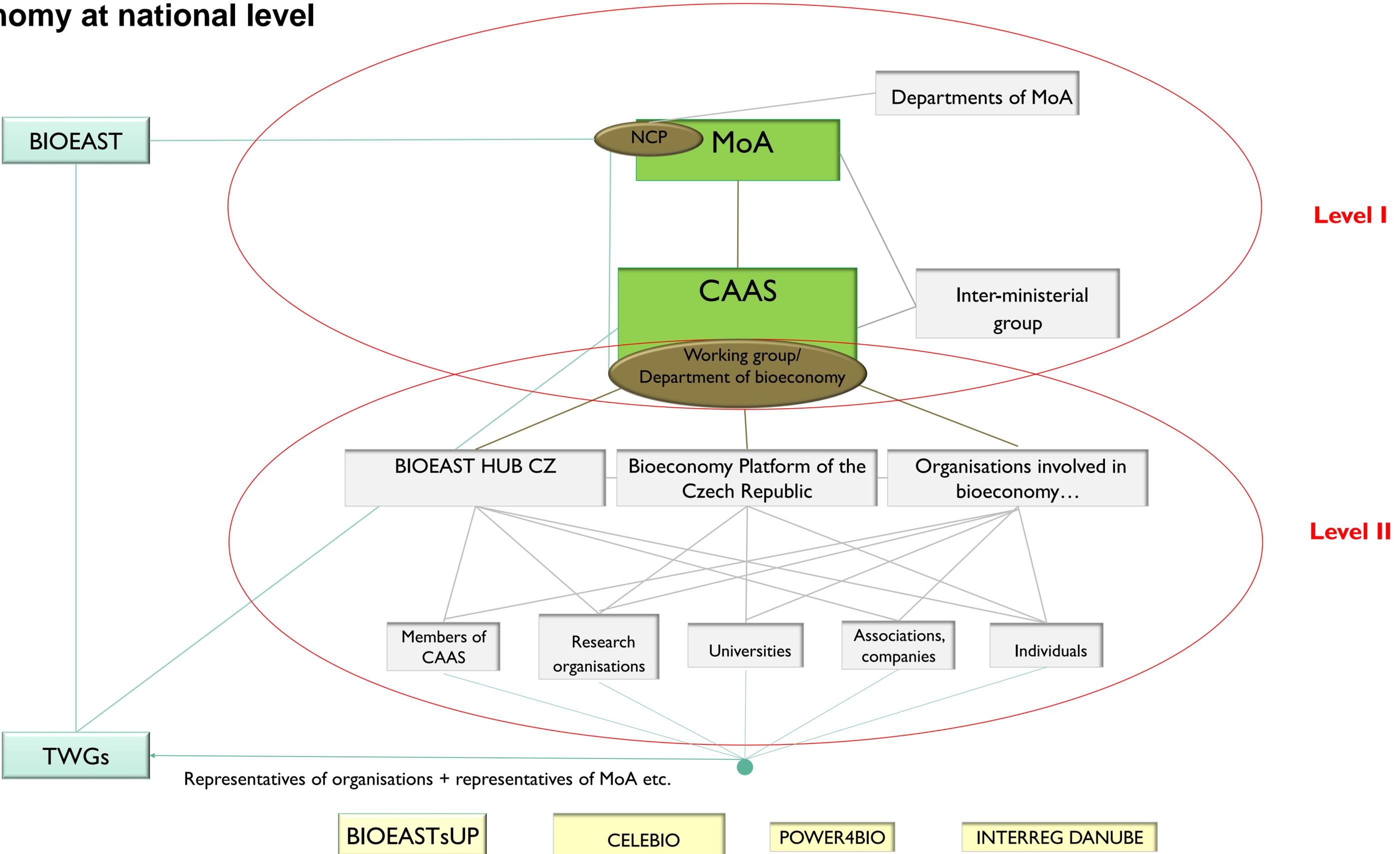
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# CZECH ACADEMY OF AGRICULTURAL SCIENCES (CAAS)

- State-funded institution of the MoA
- Scientific advisory body to the MoA
- Concentrates staff of agricultural research, development and education
- 655 members in total
- Represents the community of scientific and research institutions and academe in public, both in the Czech Republic and abroad
- Is active in the field of international scientific cooperation both on the European and global scale
- Covers natural, technical and socio-economic sciences in the field of agricultural and forestry primary production, processing and use of agricultural and forest products and raw materials, food for the population and food quality, protection of animal and plant health, protection and use of basic natural resources, land and water, as well landscaping, development of rural space as a whole, educational activities and public enlightenment.
- Ensures publication of scientific and research findings and makes them available to the experts
- It publishes eleven scientific journals in English. Nine of them are registered in the Web of Science database (Thomson Reuters) and have an impact factor, the other two are being assessed. All journals are included in the SCOPUS database of global importance.

# Scheme of cooperation in the area of bioeconomy at national level





**THANK YOU FOR  
YOUR ATTENTION**

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