



Overview of state of play on bioeconomy in Romania

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Currently available for a bioeconomy strategy

- ▶ The Romanian Presidency has established the bio-economy as a priority, issue under debates during different events, such as Research, innovation and bio-economy High-level Conference and Joint AGRI and Research Informal Council
- ▶ Bio-economy must covers all sectors and systems involving interdisciplinary and multi-sectorial (energy, agriculture, industry, environment) collaboration. In this sense, for farmers is very important to find adequate solutions to use biomass in agriculture and energy.
- ▶ Also, it must gives support to the new rural value chains, such as clean energy, both emergent and circular bio-economies, eco-tourism, strengthening between human and natural factors. It is essential to built an efficient synergy with other involved domains.



Currently available for a bioeconomy strategy

- ▶ Inter-institutional working group, legally established, which gathers ministries responsible, research domain, stakeholders
- ▶ Experts group belonging to each ministry and other institution, which deal with research & innovation, bioeconomy field of activity
- ▶ Advisory department, as part of Ministry of Agroiculture and Rural Development

Status of preparation

- ▶ Inter-institutional working group was initiated, experts group was established, some meetings have already done
- ▶ Discussions with involved actors have initiated, as regards the future steps of bioeconomy strategy set up



Target sectors for bioeconomy

- Interdisciplinary and multi-sectorial (energy, agriculture, industry, environment) collaboration. In this sense, for farmers is very important to find adequate solutions to use biomass in agriculture and energy. There are some gaps between sectors as regards the common vision
- Cooperation and responsibility – main line to follow
- Although has a local feature, actions as globally level thinking
- Support to the new rural value chains, such as clean energy, both emergent and circular bio-economies, eco-tourism, strengthening between human and natural factors. It is essential to built an efficient synergy with other involved domains.
- Active role into Bioeast's Initiative.



Responsible public bodies and relevant stakeholders

- **Responsible institutions involved in bio-economy strategy are:**
 - Inter-institutional group for Bio-economy National Strategy elaboration, consists of Ministry of Agriculture and Rural Development, Ministry of Economy, Ministry of Research & Innovation, Academy for Forestry and Agricultural Science, with its research station network Ministry of Forests and Waters, Ministry of Environment – due to complex matter and diversified actors lead to the common decision making
 - **Farmers, farmer associations** – it is necessary to strength the collaboration with administrative bodies and disseminate the knowledge fluxes
 - **The Romanian Clusters Association 'ClusteRo'27** - acts as an umbrella organization for local industrial clusters. It groups 21 clusters from all over the country





Relevant stakeholders

- ▶ **Sector clusters related to the bioeconomy:**
- ▶ **AGROFOOD** - The Regional Cluster of Food Industry and Products, groups 27 companies, 16 banks and foundations, 5 universities and research centres and 6 public institutions from the Centre region.
- ▶ **AGROPRO Oltenia Cluster**, south-west, which groups 11 industries, 4 universities and research centres, 11 associations and public institutions. It is incorporated within the Regional Development Agency of Oltenia, which corresponds to South-West.
- ▶ **North-West Cluster**, groups 29 companies, 2 universities and 3 public administrations from the region of Cluj Napoca (north-west). Among its objectives: . create and develop a harmonious interaction between all stakeholders operating in the value chain in the agro-industrial complex; . develop a platform for research, development and innovation. Drive the private sector towards innovation and technology transfer; . support and promote project of common interest, including projects abroad.



Relevant stakeholders

- ▶ **Bucharest region Cluster** has 95 members, including 50 SMEs. It lists as its fields of activity: manufacture of technical equipment for agriculture and food industry; bio-economy; renewable energy; environment and climate changes; eco-technologies and advanced materials; information technology and communications.
- ▶ **PRO WOOD Regional Wood Cluster**, which has 32 industrial members and its main objective is to foster the competitiveness of the local forestbased value chains. The Cluster is a participant in the Interreg project FORESDA - Forest based cross-sectoral value chains fostering innovation and competitiveness in the Danube Region.
- ▶ **Green Energy center**, has as main aims to link biomass producers and users along multiple value chains, focusing on energy use of agricultural and forest residues. It groups 25 companies and 45 other entities active in the sector of biomass and bioenergy.
- ▶ **BIODANUBIUS south-east**, is a small cluster with 7 members located in Danube delta region. Its focus is on promoting sustainable industrial activities in such a biodiversity-rich region. The fields of activity are: Bio-economy and Bio-agriculture, Pisciculture, Tourism, Logistics-transportation, Protection and conservation of the environment, Renewable energies, Creative and cultural sectors, Social Innovation.



Responsible public bodies and relevant stakeholders

➤ **The role of IIGB is:**

- To gather the all stakeholders involved in the BNS elaboration
 - To put together the own bioeconomy ideas as refered to specific domain of activity
 - To design and elaborate BNS
 - To disseminate the issues related to project of bio-economy strategy
 - To perform Guidelines for BNS implementation
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