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**The project “New Master’s Degree Curricula for Sustainable Bioeconomy in Uzbekistan” (BioEcUz)**

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## **THE SECOND BIOECONOMY FORUM IN UZBEKISTAN**

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# Forms of cooperation for increase of efficiency and added value of bioresources/biomass based products and services in Lithuania

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**Collaboration** is observed through the implementation of international and national research projects, launching and adopting bioeconomy related strategies and policies, foundation of business clusters and associations.

- Horizon 2020 „ Advancing Sustainable Circular Bioeconomy in Central and Eastern European countries“ (2019 – 2022).
- Horizon 2020 „Accelerating Circular Bio-based Solutions Integration in European Rural Areas“ (2022 – 2025).
- Interreg “Unlocking the Potential of Bio-based Value Chains in the Baltic Sea Region” (BalticBiomass4Value)” (2019 – 2021).
- ERASMUS+ New Master’s Degree Curricula for Sustainable Bioeconomy in Uzbekistan (BioEcUz) (2021–2024).



Source: <https://biorural.eu/>



Source: <https://zua.vdu.lt/en/international-project-on-advancing-sustainable-circular-bioeconomy-in-central-and-eastern-european-countries/>



Source: <https://biobigg.ruc.dk/blog/2019/04/23/project-start-of-balticbiomass4value/>



Source: <http://bioecuz.tdau.uz/>



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In order to strengthen the strategically important production and market, associations actively collaborate with various public institutions, organize seminars, conferences, provide help to its members and safeguard their interests. The members of associations are business entities.



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Lithuanian Biomass Energy Association LITBIOMA  
(2003)



Lithuanian Biotechnology Association  
(LithuaniaBio, 2003)



Lithuanian Biogas Association (2008)





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In Lithuania, 8 clusters are already operating in bioeconomy sector:

- Biopower plant development cluster (Adecco)
- Smart Food Cluster
- National Food Cluster (NaMŪK)
- Lithuanian Prefabricated Wooden Houses Cluster (PrefabLT)
- Baltic Furniture Cluster
- Cleantech Cluster of Lithuania
- Food Technologies Digitalization LT
- Agrifood Lithuania DIH





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## **The fields to which cluster participants direct their activities:**

- Information and communications
- Co-operation
- Training and qualification improvement
- Innovations and technologies
- Common pricing policy
- International development and partnership with other clusters
- Lobbyism



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The main message is that cooperation for increase of efficiency and added value of bioresources/biomass based products and services in Lithuania is from the bottom to top (from the business to policy makers).





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Efficient cooperation in bioeconomy should be between:

- business and government;
- business and science;
- government and science.