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O'ZBEKISTON RESPUBLIKASI
QISHLOQ XO'JALIGI
VAZIRLIGI

AGENDA OF THE UZBEKISTAN'S FIRST BIOECONOMY FORUM "Bioeconomy for Sustainable Development of Countries and Regions" (T.6.5.)

Time (EET)	Time (UZ)	Day 1 - Wednesday, 27 th April 2022
06.00-07.00	08.00 – 09.00	Registration. Coffee.
07.00-07.30	09.00 – 09.30	<p>Opening Ceremony:</p> <ul style="list-style-type: none"> · Mr. Mindaugas Kacerauskis, the Head of Political, Press and Information Section of the EU Delegation · Mr. Alisher Shukurov, the Advisor of the minister, the Ministry of Agriculture of the Republic of Uzbekistan · Mr. Edgars Kronbergs, the Parliamentary Secretary, the Ministry of Agriculture of the Republic of Latvia · Prof. Komiljon Karimov, the first Vice-minister, the Ministry of Higher and Secondary Specialized Education of the Republic of Uzbekistan · Prof. Shakhlo Turdikulova, the Vice-minister, the Ministry of Innovative Development of the Republic of Uzbekistan · Dr. Aziza Abdurahmanova, the Coordinator of the National Erasmus Office of Uzbekistan · Mr. Feruz Nematullaev, the Deputy governor, the Samarkand Regional Government · Prof. Shavkat Hasanov, the Director of the Samarkand branch of Tashkent State Agrarian University, the moderator of the forum
07.30-08.00	09.30 – 10.00	Key-note speech No.1: <i>Transformations of economics from sectoral approach to the bioeconomy.</i> Prof. Irina Pilvere, the rector of Latvia University of Life Sciences and Technologies (Latvia).
08.00-08.30	10.00 -10.30	Key-note speech No.2: <i>Uzbekistan's biotechnology development roadmap and role of the bioeconomy in its implementation.</i> Prof. Shakhlo Turdikulova, the Vice-minister, the Ministry of Innovative Development of the Republic of Uzbekistan.
08.30-09.10	10.30 – 11.10	Discussion – what value the bioeconomy can bring to the Uzbekistan?
09.10-09.30	11.10 – 11.30	Group photo.
09.30-10.00	11.30 – 12.00	Students' posters presentation session.
10.00-11.00	12.00 – 13.00	Coffee break.
11.00-13.00	13:00 – 15:00	<p>Plenary session with presentations:</p> <ul style="list-style-type: none"> · <i>Transfer of knowledge from science to business.</i> Mr. Edvards Ratnieks, Advisor of the minister, the Ministry of Agriculture (Latvia). · <i>Digitalization success stories: cross-industrial cooperation.</i> Ms. Ira Raciņa, Latvian IT Cluster DIH, International projects manager (Latvia). · <i>Transfer of knowledge from science to business – Hachatons in BioPaavo.</i> Dr. Annamari Lehtomäki, Chief specialist, JAMK University of Applied Sciences (Finland).

		Working sessions with discussions - the best practices in the respective bioeconomy fields:
		<p>1: Plant origin and animal origin agriculture, and forestry.</p> <p><i>Presentation "How to create value from the waste or circular economy elements in egg production"</i> Mr. Toms Auškāps, Board member of the JSC "Balticovo" (Latvia).</p> <p>Chair: Prof. Umid Nazarkulov.</p>
		<p>2: Food processing and use of by-streams.</p> <p><i>Presentation "Circular bioeconomy approach in dairy farming."</i> Mr. Reinholds Sprukulis, Managing member of the company "Vecsiljāņi" (Latvia).</p> <p><i>Presentation "Whey as substrate for functional product development"</i>. Prof. Jeļena Zagorska (Latvia).</p> <p>Chair: Prof. Jeļena Zagorska. Vice chair: Dr. Alisher Botirov.</p>
		<p>3: Bio-waste management.</p> <p><i>Presentation "Dispose is not lost!"</i> Ms. Baiba Rosicka, Getļiņi EKO Ltd (Latvia).</p> <p>Chair: Dr. Bekzod Tashtemirov.</p>
		<p>4: Bioenergy, inter alias energy related forestry.</p> <p><i>Presentation "Biowaste to energy: review on Lithuanian bioenergy development"</i>. Assoc. Prof. Daiva Makutėnienė, Prof. Vlada Vitunskienė, Vytautas Magnus University (Lithuania).</p> <p>Chair: Assoc. Prof. Anvar Anarbaev.</p>
		<p>5: Parallel session "Uzbekistan economy on the way to the bioeconomy" – scientific presentations and research debates.</p> <p>Chair: Assoc. prof. Makhmud Oripov.</p>
13.00-13.30	15.00 - 15.30	Coffee break.
13.30-14.30	15.30 - 16.30	Presentation of the working session recommendations and conclusions.
14.30-16.30	16.30 – 18.30	Field trip, TBC. Agromir LLC http://agromir.uz/ru/pages/about
16.30-19.30	18.30 – 21.30	Welcome reception dinner.

Time (EET)	Time (UZ)	Day 2 - Thursday, 28 th April 2022
06.30-07.30	08.30 – 09.30	Registration. Coffee.
07.30-08.00	09.30 – 10.00	Key-note speech No.1: Bioeconomy related research and innovations: needs and challenges. Prof. Vlada Vitunskiene, Vytautas Magnus University (Lithuania).
08.00-08.30	10.00 -10.30	Key-note speech No.2: Role of higher education in setting bioeconomy agenda and developing bioeconomy eco-system. Dr. Minna Lappalainen, Director of Institute of Bioeconomy, JAMK University of Applied Sciences (Finland).
08.30-09.00	10.30 – 11.00	Discussion - what are main perspectives and challenges of bioeconomy related education and research in the Uzbekistan?
09.00-09.30	11.00 – 11.30	Awarding winners of students' posters contest.
09.30-10.00	11.30 – 12.00	Networking of participants.
10.00-11.00	12.00 – 13.00	Coffee break.
11.00-12.30	13.00 - 14.30	<p>Plenary session with presentations:</p> <ul style="list-style-type: none"> Innovative bioeconomy solutions promoting circularity and sustainability. Mrs. Kirsi Knuuttila, lecturer and researcher, JAMK University of Applied Sciences (Finland). How knowledge on bioeconomy can boost business development? Assoc. Prof. Dina Popluga, Latvia University of Life Sciences and Technologies, member of the board of Ltd. "Augu spēks" (Latvia). <p>Working sessions with discussions - the best practices in the respective areas:</p>

		<p>1: Transformation of higher education toward better response of bioeconomy industries.</p> <p>Presentation "Polylabs bio-based materials case study". Mr. Kristians Grundstoks, founder and CEO of the Ltd. "Polylabs" (Latvia).</p> <p>Chair: Prof. Vlada Vitunskiene. Vice-chair: Dr. Sherzod Babakholov.</p>	<p>2: Role of higher education institutions in innovation for business.</p> <p>Presentation "Application of Information Technologies in Precision Beekeeping".</p> <p>Asoc. Prof. Aleksejs Zacepins, Latvia University of Life Sciences and Technologies (Latvia).</p> <p>Chair: Phd. Khusniddin Paradaev.</p>
		<p>3: Parallel session "Uzbekistan's economy on the way to the bioeconomy" - scientific presentations and research debates.</p> <p>Chair: Ms. Fotima Saydullaeva.</p>	<p>4: Parallel session "IPReS – An Innovative Pilot Program on the Re-Integration of Scientists to Central Asia: Research and Capacity Building on Food Chains under Climate Change".</p> <p>Chair: Dr. Ihtiyor Bobojonov.</p>
12.30-13.15	14.30 - 15.15	Presentation of the working session recommendations and conclusions. Concluding remarks.	
13.15-13.30	15.15 – 15.30	Closing Ceremony.	
13.30-15.00	15.30 – 17.00	Coffee and networking.	
16.30-19.30	18.30 – 21.30	Farewell dinner.	

Main information about the topic

The theme of the forum is bioeconomy. What does it include and why is it important and relevant for Uzbekistan? Why is it important to talk about bioeconomy? Uzbekistan has a huge potential for accelerated economic growth, especially in those sectors that include the use of natural resources, in other words, bio-resources. There is also a political will. In order to develop such an economy, it is necessary to take a number of actions, including in the field of educating specialists. At the moment, there is a shortage of specialists in the country, due to the inconsistency of curricula related to the bioeconomy.

European Union (EU) set the course for a resource-efficient and resilient bioeconomy in 2012, with a view to a more innovative and low-emission economy that combines the requirements of sustainable agriculture, forestry and fisheries, food security and the use of renewable biological resources for industrial purposes, while ensuring biodiversity and protecting the environment. Bioeconomy is an economic approach that involves the production of goods and services using renewable biological resources and the transformation of these resources and waste streams into value-added products: food, feed, textiles, bioenergy, etc. To achieve these goals, the European Commission developed a bio-economy strategy in 2012, which was updated in 2018.

Experience in the development of bioeconomy and training of specialists was offered to Uzbekistan by the universities of the European Union. An international consortium, including eight organizations from the countries of the European Union and the Republic of Uzbekistan launched the implementation of the BioEcUz project "New Master's Program for the Sustainable Development of the Bioeconomy in Uzbekistan" in January 2021. The project is being implemented with the financial support of the EC Erasmus + program funded by the European Union.

The "BioEcUz" project (<http://bioecuz.tdau.uz/project>) is aimed at introducing new knowledge and approaches to the content and forms of higher education, which will allow preparing broadminded specialists who are able

to see, combine and apply knowledge from different fields of science for development of the bioeconomy sectors in Uzbekistan.

The new master's program is an interdisciplinary approach, in which several sciences: agricultural, forestry, fisheries, veterinary, environmental, engineering and social sciences are mixed and demonstrate close links and interactions between issues that need to be addressed in various areas of the bioeconomy, as well as positive results which can be provided by the use of knowledge based on multidisciplinary approach, if this knowledge is transferred to innovative technologies, products and services.

Overall aim: To contribute to the development of sustainable and inclusive socio-economic growth in Uzbekistan.

Universities of Uzbekistan involved in the project:

1. Tashkent State Agrarian University (TSAU) – <https://tdau.uz/>
2. Tashkent Institute of Irrigation and Agricultural Mechanization Engineers - <http://tiiame.uz/ru/>
3. Bukhara State University <http://buxdu.uz/index.php/ru/>
4. Samarkand branch of Tashkent State Agrarian University - <http://samaguni.uz/en>

The Bioeconomy Forum and its goals

The first joint bioeconomy forum will be organized at the Samarkand branch of the Tashkent State Agrarian University in the Republic of Uzbekistan, on April 27-28, 2022. The forum is one of the project's events, which will offer the first extensive meeting of universities, public and private sectors stakeholders in the development of the bioeconomy that see their role in these processes.

The forum will be attended by involved partners (teaching staff of universities in Uzbekistan and EU countries), students, administrative staff of the involved universities in Uzbekistan, as well as other invited experts from the private and public sectors: thematically relevant government bodies related to bioeconomy, for example, the Ministry of Innovative Development, the Ministry of Higher and Secondary Specialized Education and the Ministry of Agriculture of the Republic of Uzbekistan, enterprises of the country representing the relevant sectors: agriculture, forestry, food and material processing, enterprises involved in energy, water supply, sewerage and the use of industrial and household waste. In parallel, according by the order of Cabinet Ministries of Uzbekistan # 101-F, at 7.03.2022, scientific conference focusing on bioeconomy sector above mention topics will be organised.

The forum will focus on raising awareness and understanding of various stakeholder groups about the bioeconomy - what it is, how it works, how different countries develop the bioeconomy and its ecosystem, what are the benefits, in what way the bioeconomy differs from the sectoral approach, what value it can bring in the case of Uzbekistan. The second international forum on bioeconomy in Uzbekistan will be organized in 2023.

External experts from Latvia, Lithuania and Finland are invited to participate in the forum, who are able to demonstrate best practices in the field of implementing the bioeconomy in practice.

The following stakeholders are invited to the forum:

- Representatives of relevant state institutions and departments involved in the bioeconomy sectors.
- Manufacturers and processors from various sectors of the national economy that are directly or indirectly related to the field of bioeconomy: food production and processing, forestry, fisheries, pharmaceuticals, chemical industry, textile processing, mechanical engineering, etc.
- Potential students.
- Other higher education institutions.

The Project is in implementation with the financial support of the Erasmus+ Programme of the European Union.

Register for participation in the forum online: [In english](#); [Ha pyccком](#); [O'zbekchada](#)

Please register until April 20, 2022!

For more information about the forum, please contact:

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