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Latvia University
of Life Sciences
and Technologies



TASHKENT DAVLAT
AGRAR UNIVERSITETI



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Food and Agriculture
Organization of the
United Nations

AGENDA OF THE 2nd BIOECONOMY FORUM IN UZBEKISTAN

Bioeconomy related knowledge, research and best practices in sustainable management of bioresources in Uzbekistan

Place of venue: Tashkent State Agrarian University.

Moderator: **Abduaziz Abduvasikov**, Vice-rector for international cooperation, transformation and strategic development at Tashkent State Agrarian University (TSAU).

Time	1 st day - Tuesday, May 2, 2023
08:30 – 09:00	Registration, coffee.
09:00 – 09:30	<p>Opening ceremony. Welcoming by:</p> <ul style="list-style-type: none"> ● Alisher Shukurov, Advisor to the Minister / Eshmirza Abdualimov, Advisor to the Minister, <i>Ministry of Agriculture of the Republic of Uzbekistan</i> ● Charlotte Adriaen, <i>EU Delegation to Uzbekistan</i> ● Komiljon Karimov, First Deputy Minister / Abduvali Xalikov, Head of Department, <i>Ministry of Higher Education, Science and Innovation of the Republic of Uzbekistan</i> ● Edgars Polanskis, <i>the First secretary, Embassy of Latvia in Uzbekistan</i> ● Aziza Abdurakhmanova, <i>the Coordinator of the National Erasmus Office of Uzbekistan</i> ● Sohib Islamov, <i>the first vice-rector of the Tashkent State Agrarian University</i>
09:30 – 09:50	Presentation # 1: The main directions and features of the development of green economy in Uzbekistan. Dr. Anton Kostyuchenko , <i>Chief Researcher of the Institute of Macroeconomic and Regional Studies under the Cabinet of Ministers of the Republic of Uzbekistan.</i>
09:50 – 10:10	Presentation # 2: Ongoing bioeconomy related knowledge development initiatives and results achieved in Uzbekistan. Irina Kulitane , <i>international project manager at Latvia University of Life Sciences and Technologies.</i>
10:10 – 10:30	Presentation # 3: Digitalisation in bioeconomy - a way for an efficient and sustainable use of bioresources. Sandija Zēverte -Rivža , <i>associated professor at Latvia University of Life Sciences and Technologies.</i>
10:30 – 11:00	Presentation # 4: Impact of conservation agriculture practices for soil restoration under CACILM-2 project activities. Professor Muhammadjon Kasimov , <i>project manager FAO in Uzbekistan.</i>

	Presentation # 5: Implementation of innovations in agriculture through the creation of innovation groups. <i>Hrvoje Ivan Horvat, international expert of the EU-AGRIN UNDP project in Uzbekistan.</i>					
11:00 – 11:20	Discussion - Raising awareness, improvement of knowledge and skills for the rational use of bioresources and biomass in the modern economy of Uzbekistan					
11:20 – 12:15	<p>Presentations of the new master curricula “Bioeconomy” students:</p> <ul style="list-style-type: none"> ● <i>Impact and problems of sectoral bioeconomy policy: the development of sustainable agriculture - Rufina Biktimirova (TSAU).</i> ● <i>The role of water-saving irrigation technologies in achieving economic efficiency in agriculture - Azizbek Xasanov (TIAME NRU).</i> ● <i>Contribution of bioeconomy to the development of the country's economy: on the example of food production - Khonzoda Tairova (TSAU).</i> ● <i>Energy generation from food waste in Uzbekistan - Jamshid Ismoilov and Abdulkhay Karimov (TIAME NRU).</i> <p>Questions and discussions.</p> <p><i>Members of the jury: Umidakhon Saidova, Ministry of Agriculture, Iroda Rustamova, TSAU, Ikboljon Bozarov, TIAME NRU, Maxmud Oripov, BukhSU, Yigitali Tashpulatov, SAMTSAU, Līga Proškina, LBTU (Latvia), Vlada Vitunskiene, VMU (Lithuania).</i></p>					
12:15 – 12:30	Group photo.					
12:30 – 13:30	Coffee break.					
13:30 – 15:30	<p>Plenary session. Introductory presentations:</p> <ul style="list-style-type: none"> ● Presentation # 6. Valorization of bio-residues and bio-wastes to unlock the potential of a circular bioeconomy: lessons from European good practices. <i>Vlada Vitunskiene, Professor of Vytautas Magnus University, Lithuania.</i> ● Presentation # 7. Relevance and solution of the problems of sustainable use of bio-waste and residues of biological resources in Uzbekistan. <i>Zafar Iskandarov, Professor of Tashkent State Agrarian University.</i> <p>Working sessions:</p> <table border="1"> <tr> <td> <p>1: Digitalization technologies in agriculture (automation and precision agriculture)</p> <p>EU moderator: Assoc. prof. Sandija Zēverte Rivža (LBTU, Latvia)</p> <p>Uzbekistan’s moderator: Prof. Umidjan Nazarkulov (TSAU)</p> </td> <td> <p>2: Knowledge and technologies for efficient management of household/industrial biodegradable waste</p> <p>EU moderator: Assist.prof. Daiva Makutėnienė (VMU, Lithuania)</p> <p>Uzbekistan’s moderator: Yigitali Tashpulatov (SAMTSAU)</p> </td> </tr> <tr> <td> <p>3: Production and processing knowledge and technologies for efficient use of bio-resources and side-streams (agricultural crop and livestock products)</p> <p>EU moderator: Dr.oec. Dina Popluga (LBTU, Latvia)</p> <p>Uzbekistan’s moderator: Assoc. Prof. Anvar Anarbaev (TIAME NRU)</p> </td> <td> <p>4: Forms of cooperation for increase of efficiency and added value of bio-resources/biomass based products and services (bio-clusters, cooperation, processing, marketing, etc.)</p> <p>EU moderator: Prof. Vilija Aleknevičienė (VMU, Lithuania)</p> <p>Uzbekistan’s moderator: Assoc. Prof. Maxmud</p> </td> </tr> </table>		<p>1: Digitalization technologies in agriculture (automation and precision agriculture)</p> <p>EU moderator: Assoc. prof. Sandija Zēverte Rivža (LBTU, Latvia)</p> <p>Uzbekistan’s moderator: Prof. Umidjan Nazarkulov (TSAU)</p>	<p>2: Knowledge and technologies for efficient management of household/industrial biodegradable waste</p> <p>EU moderator: Assist.prof. Daiva Makutėnienė (VMU, Lithuania)</p> <p>Uzbekistan’s moderator: Yigitali Tashpulatov (SAMTSAU)</p>	<p>3: Production and processing knowledge and technologies for efficient use of bio-resources and side-streams (agricultural crop and livestock products)</p> <p>EU moderator: Dr.oec. Dina Popluga (LBTU, Latvia)</p> <p>Uzbekistan’s moderator: Assoc. Prof. Anvar Anarbaev (TIAME NRU)</p>	<p>4: Forms of cooperation for increase of efficiency and added value of bio-resources/biomass based products and services (bio-clusters, cooperation, processing, marketing, etc.)</p> <p>EU moderator: Prof. Vilija Aleknevičienė (VMU, Lithuania)</p> <p>Uzbekistan’s moderator: Assoc. Prof. Maxmud</p>
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	Oripov (BukhsU)
15:30 – 16:30	Presentation of the results of the working session. Discussions. Each session representative presents identified main challenges, directions, and recommendations for decision-making in the development of various aspects of biomass management in Uzbekistan, in accordance with the topic of the session.
16:30 – 17:30	Closing ceremony. Awarding of students. Photos. Coffee.

Time	2nd day - Wednesday, May 3, 2023
09:00	Departure from Tashkent to the sites.
10:00 – 11:00	GDF LLC (storage and processing of fruits and vegetables) - Tashkent city, Bektemir district, Husayin Boyqaro street 104 A.
11:00 – 11:30	Departure to the next site.
11:30 – 12:30	Paradis xirmoni dairy farm (animal breeding and dairy farming) - Tashkent region, Yukori Chirchik district, Jumabazar.
13:00 – 14:00	Lunch.
14:00 – 14:30	Departure to the next site.
15:00 – 16:00	«AgroElita Parkent» LLC (horticulture and viticulture) - Tashkent region, Parkent district, Bashkizilsoy QFY.
16:30 – 17:30	Return to Tashkent.

Introduction to the 2nd Bioeconomy Forum topic

The theme of the 2nd Bioeconomy Forum is **knowledge, research and best practices in sustainable management of bioresources in Uzbekistan**. What does it include and why is it important and relevant for Uzbekistan? Why is it important to talk about bio-resources and what is the role of the bioeconomy in these processes?

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 and other. Uzbekistan has a huge potential for accelerated economic growth, especially in the sectors that include the use of natural resources, in other words, bio-resources, inter alia biomass. In order to develop such an economy, it is necessary to take a number of actions, including in the field of educating specialists. In order to respond to the needs of the national economy, the consortium of four Uzbekistan's and three European Union universities, and the Ministry of Agriculture of the Republic of Uzbekistan, with support of EU Erasmus+ Programme have elaborated a new master level bioeconomy related curriculum and adopted it at involved Uzbekistan's universities. The new bioeconomy curriculum is focused on resource efficiency, circularity and sustainability. 23 students of Tashkent, Samarkand and Bukhara regions are admitted and are currently taught by European academic staff. Uzbekistan's academic staff is prepared to take over teaching after completion of the project, when the curriculum will be in implementation on a regular basis.

The 2nd Bioeconomy Forum and its goals

The 2nd joint bioeconomy forum will be organized at the Tashkent State Agrarian University in the Republic of Uzbekistan, on May 2-3, 2023. The Forum offers an extensive meeting of universities, public and private sector stakeholders in the development of the bioeconomy that see their interest and role in these processes.

The event will bring together academic staff, students, administrative staff of the involved universities in Uzbekistan, as well as other experts representing thematically relevant government bodies related to bioeconomy: the Ministry of Agriculture of the Republic of Uzbekistan, the Ministry of Higher Education, Science and Innovation of the Republic of Uzbekistan, the Ministry of Economy and Finance of the Republic of Uzbekistan, enterprises 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. External experts from Latvia and Lithuania will demonstrate best practices in the field of implementing the bioeconomy in practice.

During the first day participants of the event will listen to presentations and will take part in discussions and workshops. On the second day discussions and workshops will be continued at the bioeconomy sites - enterprises, demonstrating technological achievements, innovation, and efficient use of bio-resources.

The following stakeholders are kindly invited to take part in the forum:

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

Please register until April 25, 2023! Registration can be done online:

https://docs.google.com/forms/d/e/1FAIpQLScIw8Ow3tLkozKRcqQHovtstzcJFgQ9MjA44_di_V-m0Q59g/viewform

For more information about the Forum, please contact: Firusa Galimova.

Tel: +998 909 570 575. E-mail: firuzaza@gmail.com

*The Project is in implementation with the financial support of the Erasmus+ Programme of the European Union.
Project No. № 619294-EPP-1-2020-1-LV-EPPKA2-CBHE-JP*