

CURRENT TRENDS IN BIO-ECO-ECONOMY IN THE YOUTH DEBATE

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Abstract: *The event titled “Current trends in bio-eco-economy in the youth debate”, 1st Edition, took place on November 22nd 2019, in Arad, and was organized by Aurel Vlaicu University of Arad and Centrul Municipal de Cultura Arad. The invited lecturers proposed themes that were the subjects of debates for the participants, students and researchers from Aurel Vlaicu University of Arad and Banat's University of Agricultural Sciences and Veterinary Medicine “King Mihai I of Romania”, Timișoara. Here we present the program and conclusions arisen.*

Keywords: round table, youth debate, jobs.

INTRODUCTION

An obvious and recognized fact is that young people have access to the latest scientific information on media platforms (wikipedia, databases), including specialized ones, but they need to develop their techniques for understanding and communicating these types of information, especially the public debate, on intra- and transdisciplinary topics of biology, ecology and economics. Thus, through this project the awareness of young people will be realized for the measures to be taken, both individually and at local / national / international level for the preservation of biodiversity, environmental protection, involvement in sustainable economic processes such as: green economy, blue economy and the circular economy. Thus, we are able to experience and capitalize on this new direction of action in communication, education and health at the municipal level, but also nationally and internationally. The organization of the round table aimed to raise awareness among young people about the current challenge posed by the intense development of industry and consumerism, in particular, of the human population, worldwide, as well as how the local / national / global assessment of the Earth's resources is carried out, and the proposals, from a bio-economic point of view, for maintaining its health.

THE ROUND TABLE

The round table entitled “Current trends in bio-eco-economy in the youth debate”, 1st Edition,

took place on November 22nd 2019, in Arad, in the building of Aurel Vlaicu University from Micalaca, Elena Dragoi Str., Nr. 2, Room 134.

At the opening of the event the welcome speech (Fig. 1a, b) was held by:

Prof.Dr. Ramona Lile, Rector of Aurel Vlaicu University of Arad;

Mr. Călin Bibarț, Mayor of Arad city;

Mrs. Mariana Cismașiu, municipal councilor, Centrul Municipal de Cultura Arad;

Assoc.Prof.dr.ing. Ciutina Virgiliu, Dean of the Faculty of Food Engineering, Tourism and Environmental Protection;

Lect.dr. Grigorie Sanda, Dean of the Faculty of Economic Sciences;

Assoc.Prof.Dr.Eng. Lungu Monica, Director of the Department of Technical and Natural Sciences;

Prof.Dr.Habil. Dana Copolovici, project manager.

The event was organized by the Faculty of Food Engineering, Tourism and Environmental Protection and the Faculty of Economic Sciences, together with the Romanian Chemical Society, and with the City Hall of Arad, Municipal Culture Center of Arad.

The round table managed to make young participants: students, researchers from Aurel Vlaicu University and Banat's University of Agricultural Sciences and Veterinary Medicine “King Mihai I of Romania”, Timișoara, Romania, aware about the current challenge posed by the intense development of industry and consumerism, product quality and

processes and how to assess the local / national situation / Earth's resources and proposals, from a bio-eco-economic point of view, for maintaining humans and environment health.

The invited lecturers and the titles of the presentations / topics of debate held in front of the participants are presented below:

Prof. Dr. Salme Timmusk, Swedish University of Agricultural Sciences, Uppsala, Sweden: "Bio-Economy, Current Trends in Global Food Security" (Fig. 1c).

Bogdan Surdea-Blaga, Country Director at Sykes Enterprises, Inc., Romania: "Digitization and future jobs" (Fig. 1d).

Ciprian Dioşan, Head of Portfolio Management Service at Transilvania Bank and Lecturer at the Romanian Entrepreneur Club, Romania: "Entrepreneurship and multidisciplinary" (Fig. 1e).

Adrian Lucian Franţiu, General Manager, TÜV Rheinland, Romania: "Energetic efficiency" (Fig. 1f).

Prof. Dr. Radu Şumălan, Banat's University of Agricultural Sciences and Veterinary Medicine "King Mihai I of Romania", Timişoara, Romania: "Production of healthy foods using traditional and organic farming techniques" (Fig. 1g).

Dr. Corina Berkesy, Senior Researcher at the Research and Design Institute for Electrical Engineering, ICPE Bistrita, Romania: "The circularity of water as a resource" (Fig. 1h).

Prof. Dr. Habil. Lucian Copolovici, Aurel Vlaicu University of Arad, Romania: "Climate change" (Fig. 1i).

Prof. Dr. Habil. Florentina Munteanu, Aurel Vlaicu University of Arad, Romania: "Valorization of solid waste for a circular bioeconomy" (Fig. 1j).

Chairman: Prof. Dr. Habil. Dana Copolovici, Aurel Vlaicu University of Arad, Romania.

The participants raised numerous questions and identified many problems and solutions to the topics discussed (Fig. 1 j,k). Due to the interdisciplinarity and transdisciplinarity of the topics debated by the invited specialists, it was suggested that this event can continue with subsequent editions, especially due to the current, new problems

that appeared in the society: climate change related to crops development, unemployment of young people after graduation, ethical aspects related to new jobs, how to plan the life/business, how to become an entrepreneur, good practices in management of energy use, the production of biological crops in Romania, the efficient use of water, the influence of stress factors on plant development, pathways of valorization of solid wastes.



(a)



(b)



(c)



(d)



Figure 1. Images from the event: „Current trends in bio-eco-economy in the youth debate”, Round table, 1st Edition, Arad, Romania, 2019.

CONCLUSIONS

„Current trends in bio-eco-economy in the youth debate”, 1st Edition, 2019, was an interdisciplinary event in which biology, ecology, chemistry, agronomy, economy, management, ethical aspects were approached in order to aware the participants about the new challenges that will be raised in the future: development of new skills and competences in order to solve the local and more widespread problems (energy and water uses, crop production, good and reliable life plan, use of artificial intelligence, human happiness). This was a fruitful event, and we hope that the next edition/s will enhance and expand communication among scientific and economic communities and our journal will provide a forum to present direction of future research and economic solutions.

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