

Newsletter

January 2024

Issue #1

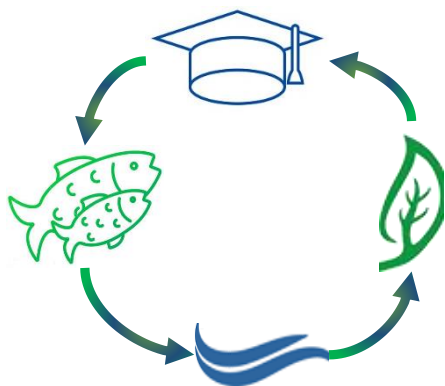


Development of Aquaculture and
Fisheries Education for Green Deal
in Armenia and Ukraine: from
education to ecology
AFISHE



Co-funded by
the European Union

GOALS



The AFISHE project will create a network between Armenia, Ukraine and EU partner countries in the fields of aquaculture and fisheries.

This network will serve as a platform for the implementation of joint educational and research activities with the aim of promoting the best ecology-based approaches and activities in these fields in line with the UN SDG goals and the EU Green Deal.

OBJECTIVES

Curricula designing and development

Creation of a conducive academic environment, development of human resources

Establishment of a sustainable network for joint activities in aquaculture and fisheries

PARTNERS



National University of Water
and Environmental
Engineering



Sumy
National
Agrarian
University



SVEUČILIŠTE U DUBROVNIKU
UNIVERSITY OF DUBROVNIK

U.PORTO

Kick-off meeting - 25-27, January 2023, Yerevan, Armenia

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KICK OFF



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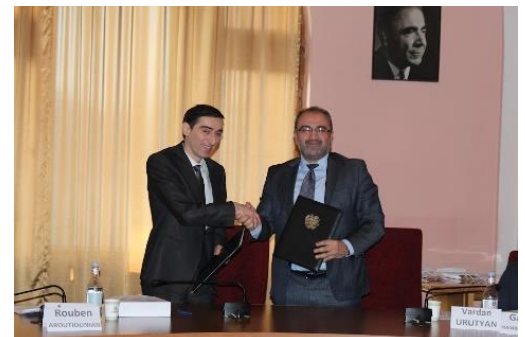


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Ruben Harutyunyan, Academician-Secretary of Division of Natural Sciences of NAS RA, RA Environment Deputy Ministers Tigran Gabrielyan and Aram Meimaryan, Arman Khojayan, the RA Deputy Economy Minister Arman Khojayan, Vardan Urutyun, Rector of Armenian National Agrarian University, Lana Karlova, Programme Coordinator of the National Erasmus+ Office in Armenia, Svitlana Shitykova - Programme Coordinator of the National Erasmus+ Office in Ukraine, participated in the meeting, as well as the directors of the research organisations of NAS RA, HEI representatives and the representatives of Sumy National Agrarian University and NUWEE.

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The Kick of Meeting took place at the National Academy of Sciences of the Republic of Armenia. Within the framework of this project, the International Scientific and Educational Center of NAS RA and Armenian National Agrarian University will develop a new joint master's programme based on the Scientific Center of Zoology and Hydroecology of NAS RA. A sectoral network for aquaculture and fish farming will be created between Armenia, Ukraine and European countries, which will serve as a platform for joint educational and research activities in the fields of aquaculture and fish farming.



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PROJECT
MEETING

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Project meeting – 6-7, June 2023, Nitra, Slovakia



The meeting took place at the Slovak University of Agriculture. During the two-day meeting discussions and consultations took place on the implementation of the tasks in the respective working groups, project management issues and the planning of further actions. The partners from Armenia and Ukraine presented a proposal for training modules in aquaculture and fisheries, including curricula.

The next step will be the selection of responsible teachers from Ukraine and Armenia to undergo practical training in Nitra, Porto and Dubrovnik in order to acquire the necessary skills for teaching the proposed modules. In this context, a technical excursion to the farm Slovryb s.r.o. in Biely Potok was organised as part of the project to present the possibilities of practical training in the field of fish farming in intensive production.



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ONLINE MEETINGS

BENCHMARK REPORT



AFISHE
Development of Aquaculture and Fisheries
Education for Green Deal in Armenia and
Ukraine: from education to ecology

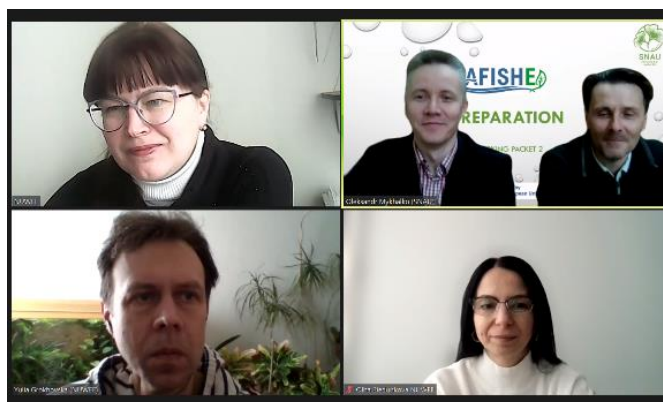
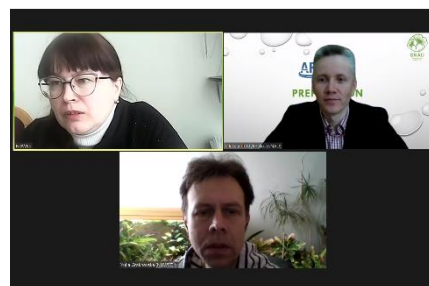
BENCHMARK REPORT

COMPARATIVE FORM OF THE CURRICULUM
AND COURSES FOR AQUACULTURE AND
FISHERIES MASTER'S DEGREE PROGRAM

WP2. Preparation

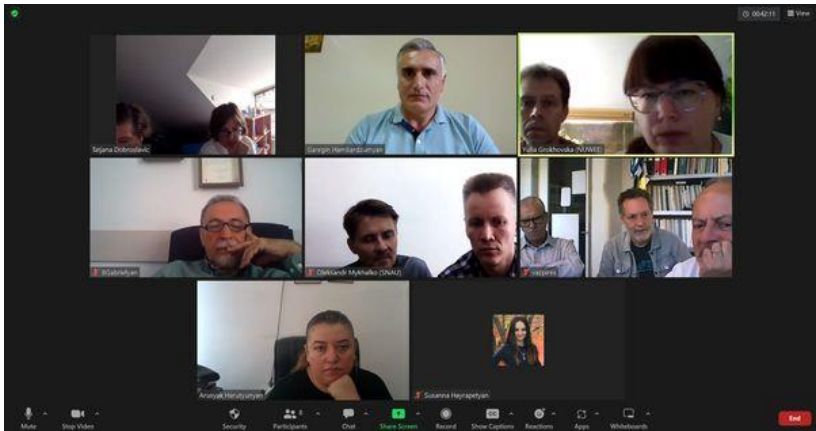
The universities of the EU, North America and Australia offer modern and advanced Master's programmes in aquaculture and fisheries of different orientations, but all have their own specificities and characteristics in relation to the local conditions of aquaculture management, which are determined by the regional geography, the available waters, lakes, river systems, washed seas and oceans and the conjuncture of the labour market and the market for agricultural products, as well as the needs of each country's society and economy. Undoubtedly, each Master's programme is unique, interesting and in some way innovative for education in Armenia and Ukraine. However, it is possible to take not only one Master's programme as a benchmark, but elements of different programmes that correspond to the respective ideas of a future Master's programme in aquaculture and fisheries, taking into account the specifics of each country and the requirements of national and European qualification frameworks.

The SNAU team, with the active support of all project partners, has successfully carried out a benchmarking study on Master's programmes in aquaculture and fisheries as part of WP2. We conducted an analysis of 27 universities in EU countries, one university in the USA, one university in Canada, one university in Australia, and one university in Israel among 30 Master's programmes in aquaculture and fisheries.



TRAINING OF THE MAIN MODULES

An online meeting was organised to discuss the upcoming trainings and meetings within the framework of the AFISHE project. The trainings on the main modules of the project will be organised by three universities, including the University of Dubrovnik, the University of Porto and the Slovak University of Agriculture in Nitra.



ONLINE MEETINGS

UNIVERSITY OF DUBROVNIK - UNIDU	
	Food safety of aquatic animals
	Entrepreneurship in fishery and aquaculture
	General Ichthyology
	Ichthyopathology
	Biology of Cultured Algae
	Breeding Technologies in Mariculture
	Diversification of Shellfish Farming
	Diversification of Fish Farming
	New Technologies in Mariculture
	Introduction to Ecology
	Fisheries Technology and Evaluation of Fisheries Resources
	Entrepreneurship in Mariculture
	World fisheries. Protection and reproduction of hydrobiological resources
	Prevention and treatment of fish diseases
	Organization of business and financial activities of fishery enterprises
UNIVERSITY OF PORTO – U.PORTO	
	Environmental and Water Management
	Basic Aquaculture Engineering
	Aquatic Animal Feeding and Nutrition
	General Hydrobiology
	General Hydroecology
	Aquaculture processing technology
	Animal Welfare in Aquaculture and Public Aquariums
	Food Nutrition and Technology
	Bioresources of the hydrosphere and their use
	Aquaculture of artificial and natural reservoirs
	Ornamental aquaculture
	Water quality and fish health
	Fish products sanitary control, standardization, and certification
	Population ecology
SLOVAK UNIVERSITY OF AGRICULTURE - SUA	
	Research methodology
	Biodiversity conservation
	Biostatistics
	Fish biochemistry and physiology
	Management in fishery and aquaculture
	Fishery
	Ecotoxicology
	Aquaculture
	Methodology of scientific research
	Technical equipment of aquaculture

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Promotion of the new Master's degree programme ANAU - ISEC NAS - SNAU - NUWEE

Master's programme in Aquaculture and Fisheries, will start in 2024-2025 at ISEC and ANAU.



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PROMOTION OF THE NEW MASTER'S PROGRAMME

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NUWEE organised an Open Day.

At the event, prospective applicants were informed about the features of the Master's degree in the updated training programme in „Aquatic Bioresources and Aquaculture”, which has been developed in line with the objectives of the Erasmus+ AFISHE project. This programme offers graduates the opportunity to specialise and broad career prospects.



The new educational program is planned to be introduced in the next academic year.

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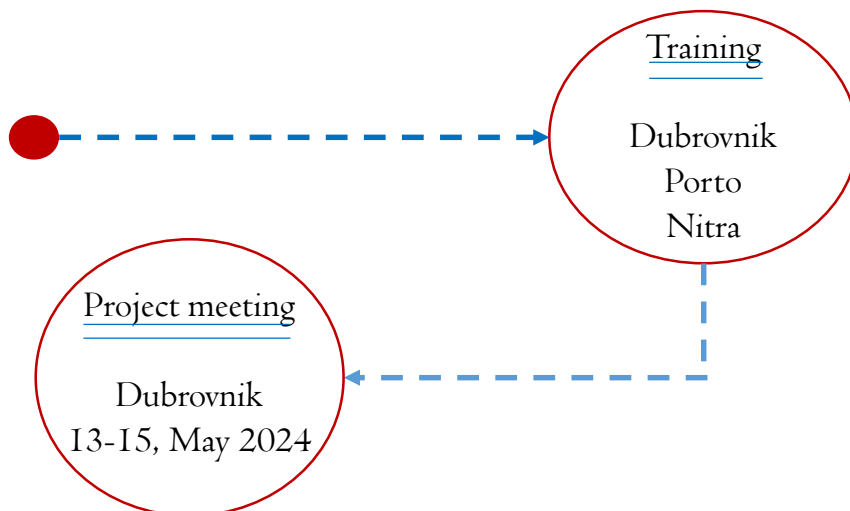
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UPCOMING EVENTS



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