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# Certificate

This is to certify that

**Tetiana Kuchkova**

from the

**Sumy National Agrarian University (Ukraine)**

participated in the training at  
**University of Dubrovnik (Croatia)**

within the framework of the

**AFISHE**

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

**Erasmus+ CBHE project on 26.02.2024 – 08.03.2024.**

The training is 90 hours and 3 credits.

**Associate Professor Marijana Pećarević,  
PhD**

**Garegin Hambardzumyan**

**Vice-Rector for International Relations and  
science  
University of Dubrovnik**

**AFISHE project coordinator  
Head of International Relations Department  
Armenian National Agrarian University**

**08 March 2024**

A handwritten signature in blue ink, likely belonging to Garegin Hambardzumyan.



# Topics of the training

## Fisheries Technology and Evaluation of Fisheries Resources

### **THEORETICAL TOPICS**

#### **1) INTRODUCTION**

- a) Status of world fisheries*
- b) The fishery problems*
- c) Literature*

- d) Internet and other teaching materials*

#### **2) THE STATUS OF MARINE FISHERY RESOURCES**

- a) Status of resources*
- b) Status and trends by major species*
- c) Status and trends by fishing area*

#### **3) DEVELOPMENT OF FISHING GEAR AND METHODS**

##### **4) SELECTIVITY AND CATCH EFFICIENCY**

- a) Discard management – Case Studies*
- b) Bycatch management – Case Studies*

#### **5) FISHERIES IMPACT ON THE ECOSYSTEM**

##### **6) OVERFISHING**

- a) Introduction*
- b) Management*
- c) Case study*

#### **7) POLLUTANT DAMAGES TO COMMERCIAL FISHERIES**

- a) Introduction*
- b) Assessing the economic effects*
- c) Case study*

#### **8) FISHERIES STOCK ASSESSMENT**

- a) Introduction*
- b) Population dynamics models*
- c) Applying stock assessment Models to data*

#### **9) Improving fisheries management**

- a) Objectives and targets*
- b) Better governance and policy reform*
- c) Better management and production*

#### **10) Fisheries adaptations to climate change**

- a) Mainstreaming climate change into fisheries management*
- b) Developing and implementing transformative adaptation plans*

### **PRACTICAL CLASSES AND ACTIVITIES:**

- Visualization and comments of internet resources*
- Visits to local fish market*