



Copernicus Assisted Environmental Monitoring Across the Black Sea Basin - PONTOS

FIRST SET OF TRAINING SESSIONS ON EARTH OBSERVATION AND ENVIRONMENTAL MONITORING FOR YOUNG SCIENTISTS AND PRACTITIONERS

AGENDA

Day 1

Date: November 10, 2021

Time: 11:00 - 15:00

Venue: 002M Lab, Main Building, American University of Armenia, 40 Marshal Baghramyan Ave. Yerevan 0019, Republic of Armenia

Topic	Presenter	Time
<i>Opening and introduction</i>		
Welcome remarks	Alen Amirkhanian, Director AUA Acopian Center for the Environment	11:00 - 11:10
Introduction to the project team and participants (participants will introduce themselves).		
Introduction to the training agenda, goals, expected results, etc.	Tatevik Vardanyan, PONTOS Communication Manager, American University of Armenia	11:10 - 11:20
General introduction of the PONTOS project and its services	Garabet Kazanjian, PONTOS Researcher, American University of Armenia	11:20 - 11:35
<i>Introduction to EO, Copernicus program and services, Sentinel Hub</i>		
Introduction to Earth Observation and its potential for environmental monitoring with PONTOS-related examples	Alexander Arakelyan, PONTOS Researcher, American University of Armenia	11:35 - 12:00
Presentation on Copernicus program and services (link)	Yeva Danielyan, PONTOS Researcher, American University of Armenia	12:00 - 12:20
Discussion / Questions	All participants	12:20 - 12:30

Common borders. Common solutions.

Demonstration of Sentinel Hub and Copernicus Open Access Hub	Artak Piloyan, PONTOS Researcher, American University of Armenia	12:30 - 13:10
Break (13:15 - 14:00)		
Hands-on sessions		
Introduction to SNAP	Aghavni Harutyunyan, PONTOS Project Manager, American University of Armenia	14:00 - 14:20
Practical work (open the satellite image of the pilot area in SNAP, explore general SNAP tools)		14:20 - 14:40
Discussion / Questions	All participants	14:40 - 14:50
Closing		
Summary of the first day	Aghavni Harutyunyan, PONTOS Project Manager, American University of Armenia	14:50 - 15:00

Day 2

Date: November 11, 2021

Time: 14:00 - 18:00

Venue: 002M Lab, Main Building, American University of Armenia, 40 Marshal Baghramyan Ave. Yerevan 0019, Republic of Armenia

Topic	Presenter	Time
Hands-on sessions connected to the PONTOS assessments		
Introduction to the agenda for the 2nd day	Tatevik Vardanyan, PONTOS Communication Manager, American University of Armenia	14:00
Connection of the services of Copernicus and PONTOS with the needs of the Armenian pilot site	All participants - discussion	14:10 - 14:20
Discussion / Questions	All participants	14:20 - 14:30
Practical work with SNAP (or other tools) connected to the PONTOS assessments for pilot areas, such as <ul style="list-style-type: none"> • Thematic Land/Water Processing tools <ul style="list-style-type: none"> ○ NDVI ○ NDWI ○ Evapotranspiration (ET) ○ Land Surface Temperature (LST) 	Alexander Arakelyan, PONTOS Researcher, American University of Armenia	14:30 - 15:00

Common borders. Common solutions.

Break (15:00 - 15:45)		
Use case: Ch-a concentration (C2RCC)	Artak Antonyan, PONTOS Researcher, Environmental Protection and Mining Inspection Body of RA	15:45 - 16:15
Use case: Forest cover detection	Yeva Danielyan, PONTOS Researcher, American University of Armenia	16:15 - 16:45
Discussion / Questions	All participants	16:45 - 16:55
Introduction to the EarthTrack application	Aghavni Harutyunyan, PONTOS Project Manager, American University of Armenia	17:00 - 17:20
Discussion / Questions	All participants	17:20 - 17:30
Closing		
Preparation for the next day	Tatevik Vardanyan, PONTOS Communication Manager, American University of Armenia	17:30 - 17:35
Summary of the second day	Aghavni Harutyunyan, PONTOS Project Manager, American University of Armenia	17:35 - 17:45

Day 3 - Fieldwork

Date: November 12, 2021

Time: 9:00 - 18:00

Departure point from Yerevan: Front area of the Main Building, American University of Armenia, 40 Marshal Baghramyan Ave. Yerevan 0019, Republic of Armenia

The purpose of the fieldwork is to practice the EarthTrack application in the field.