

Copernicus Assisted Environmental Monitoring Across the Black Sea Basin - PONTOS

Training of Trainers in Thessaloniki (GR)

Date: 10 March 2022

Time: 09:00 - 17:00

Topic	Presenter	Time
Registration		08:45 - 09:00
Set up the laptops!		09:00 - 09:30
PONTOS Data Cube: <ul style="list-style-type: none"> ● Theoretical background ● Registration and guidance ● Tools ● Results and explanation ● Q/A and discussion 	Maria Banti - CERTH	09:30 - 10:00
PONTOS Web Application: <ul style="list-style-type: none"> ● Registration and guidance ● Airborne data analysis and results ● In-situ data analysis and results ● Q/A and discussion 	Eleftherios Katsikis - CERTH	10:00 - 10:30
PONTOS WebGIS: <ul style="list-style-type: none"> ● Theoretical background ● Databases linked and Tools provided ● Short demonstration of webGIS ● Feedback and Future work ● Q/A and discussion 	Nikolaos Kokkos - DUTH	10:30 - 11:00
<i>Coffee break (11:00 - 11:15)</i>		
Assessment on dynamics of coastline changes - Theory and hands-on experience (Mod. Georgios Sylaios)		
<ul style="list-style-type: none"> ● Coastline dynamics and changes (theoretical background) 	Konstantinos Zachopoulos - DUTH	11:15 - 11:25
<ul style="list-style-type: none"> ● Hands-on practice on shoreline change methodology workflow 	Konstantinos Zachopoulos - DUTH	11:25 - 11:55

Common borders. Common solutions.

<ul style="list-style-type: none"> Hands-on practice on shoreline extraction 		
<ul style="list-style-type: none"> Results and explanation 	Konstantinos Zachopoulos - DUTH	11:55 - 12:00
<ul style="list-style-type: none"> Q/A and discussion 	Konstantinos Zachopoulos - DUTH	12:00 - 12:05
Assessment on forest cover changes and its consequences for the environment - Theory and hands-on experience (Mod. Irakli M....)		
<ul style="list-style-type: none"> Land Surface Phenology (Theoretical background, challenges, trends and tools for LSP estimation) 	Maria Banti - CERTH	12:05 - 12:15
<ul style="list-style-type: none"> Hands-on practice on PhenologyMetrics module Hands-on practice on PhenologyChanges module 	Eleftherios Katsikis - CERTH	12:15 - 12:45
<ul style="list-style-type: none"> Results and explanation 	Eleftherios Katsikis - CERTH	12:45 - 12:50
<ul style="list-style-type: none"> Q/A and discussion 	Eleftherios Katsikis - CERTH	12:50 - 12:55
<i>Light Lunch (12:55 - 13:55)</i>		
Assessment on Changes in wetland and floating vegetation cover - Theory and hands-on experience (Mod. Serge)		
<ul style="list-style-type: none"> Theoretical background 	Sergiy Medinets/ Ye. Gazyetov - ONU Artak Piloyan - AUA	13:55 - 14:05
<ul style="list-style-type: none"> Hands-on practice on Data preprocessing 	Eleftherios Katsikis - CERTH	14:05 - 14:15
<ul style="list-style-type: none"> Hands-on practice on Watermask generation Hands-on practice on Hydroperiod map generation 	Eleftherios Katsikis - CERTH	14:15 - 14:35
<ul style="list-style-type: none"> Results and explanation 	Eleftherios Katsikis - CERTH	14:35 - 14:40
<ul style="list-style-type: none"> Q/A and discussion 	Eleftherios Katsikis - CERTH	14:40 - 14:45
Integrated assessment on chlorophyll concentration and eutrophication dynamics - Theory and hands-on experience (Mod. Carabet)		
<ul style="list-style-type: none"> Theoretical background 	Garabet Kazanjian - AUA	14:45 - 14:55
<ul style="list-style-type: none"> Hands-on experience on processing workflow 	Maria Zoidou - DUTH	14:55 - 15:25

Common borders. Common solutions.

• Results and explanation	Maria Zoidou - DUTH	15:25 - 15:30
• Q/A and discussion	Maria Zoidou - DUTH	15:30 - 15:35
<i>Coffee break (15:35 - 15:50)</i>		
Agricultural water balance, water productivity and water stress indices - Theory and hands-on experience (Mod. Georgios Sylaios)		
• Theoretical background	Alexander Arakelyan - AUA	15:50 - 16:00
• Hands-on practice: Part I: Tools for automatic acquisition of vegetation indices maps (e.g., NDVI, SAVI, NDVIre etc.); Part II: From vegetation indices time series to crop models/ processing workflow	Ioannis Tsakmakis - DUTH	16:00 - 16:30
• Results and explanation	Ioannis Tsakmakis - DUTH	16:30 - 16:35
• Q/A and discussion	Ioannis Tsakmakis - DUTH	16:35 - 16:40
Wrap up	Aghavni Harutyunyan	16:40 - 17:00