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Retraining program for academic teachers:

«New Courses in Geospatial Engineering for Climate Change
Adaptation of Coastal Ecosystems / GEOCLIC»



Maritime University, Constanta

2022, September 4-11

GOAL: retraining of teachers from the partner countries

AIMS:

to deepen the cooperation between universities in the Consortium

**to retrain the teachers from the partner countries in courses offered
by European universities and their teaching methods**

**to acquaint participants with laboratories and special equipment of
Maritime University of Constanta**

to exchange experience in collaboration with the enterprises

Sunday, 04.09.2022	
Monday, 05.09.2022	
Arrival in Constanta	
Monday, 05.09.2022	
14:00-14:30	Registration of the participants
14:30-15:00	Opening ceremony
15:00-16:30	<p style="text-align: center;">Ben Maathuis, University of Twente</p> <p style="text-align: center;">Topic: Review of proposed Syllabus in relation to ongoing GI-Developments. ILWIS, GEONETCast Toolbox and the EUMETView WMS demo and review of data prepared for Central Asia</p>
16:30-16:45	Coffee break
16:45-18:00	<p style="text-align: center;">Raimondas Grubliauskas, Vilnius Gediminas Technical University</p> <p style="text-align: center;">Topic: Retraining for module „Environmental Impact Assessment“: practical examples and effective teaching methods</p>
Tuesday, 6.09.2022	
9:00-10:30	Laboratory tours in Constanta Maritime University
10:30-13:00	<p style="text-align: center;">Daria Stepanova, Exolaunch GmbH</p> <p style="text-align: center;">Topic: Small satellites for Earth Observation: technological trends and upcoming challenges. Constellations and new opportunities for climate monitoring.</p>
13:00-14:00	Lunch

14:00-15:30	<p style="text-align: center;">Ben Maathuis, University of Twente</p> <p style="text-align: center;">Topic: Using Python and Jupyter Notebook for Meteosat Second Generation (MSG) multi-temporal data processing (from reception station or WMS)</p>
15:30-15:45	<p>Coffee break</p>
15:45-16:30	<p style="text-align: center;">Gabriela Andrei, Constanta Maritime University</p> <p style="text-align: center;">Topic: Optimizing algorithms applications</p>
16:30-18:00	<p style="text-align: center;">Jevgenijus Kirjackis, Vilnius Gediminas Technical University</p> <p style="text-align: center;">Topic: Retraining for module „Modeling of Environmental Processes and Management“: practical examples and effective teaching methods</p>
<p>Wednesday, 7.09.2022</p>	
9:00-10:30	<p style="text-align: center;">Ben Maathuis, University of Twente</p> <p style="text-align: center;">Topic: Basic Time Series and Image Processing using Python and selected site packages, including ILWISPy, under a Jupyter Notebook setup</p>
10:30-10:45	<p>Coffee break</p>
10:45-13:00	<p style="text-align: center;">Daria Stepanova, Exolaunch GmbH</p> <p style="text-align: center;">Topic: Small satellites for Earth Observation: technological trends and upcoming challenges. Constellations and new opportunities for climate monitoring. Daria Stepanova, Exolaunch GmbH</p>
13:00-14:00	<p>Lunch</p>

14:00-15:30	<p>Iulian Cretu, Constanta Maritime University-expert ARSVOM</p> <p>Topic: Saving life at sea and equipment for marine depollution. Applications and movies. Visit at ARSVOM</p>
15:30-16:30	<p>Visit to the enterprise ADMINISTRATION OF PORT Constanta</p>
16:30-18:00	<p>Mariana Panaitescu, Constanta Maritime University</p> <p>Topic: Coastal Engineering applications</p>
<p>Thursday, 8.09.2022</p>	
9:00-11:00	<p>Panaitescu Fanel-Viorel, Constanta Maritime University</p> <p>Topic: Risk management in the Black Sea Basin-Applications on simulator</p>
11:00-11:15	<p>Coffeee break</p>
11:15-13:00	<p>Ben Maathuis, University of Twente</p> <p>Topic: Processing using Python of geo-information on cloud services with examples from Google Earth Engine, Copernicus Climate Data Store and OpenEO</p> <p style="text-align: center;">Open discussion on way forward</p>
13:00-14:00	<p>Lunch</p>
14:00-16:00	<p>Raimondas Grubliauskas, Vilnius Gediminas Technical University</p> <p>Topic: Retraining for module „Ecological Design“: practical examples and effective teaching methods</p>
16.15-16.30	<p>Coffeee break</p>

16:30-18:00	Aleksandras Chlebnikovas, Vilnius Gediminas Technical University Topic: Retraining for module „Commercialization of innovative products, start-up initiatives for future engineers“: practical examples and effective teaching methods
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Friday, 9.09.2022

9:00-18:00	Visit to the work points in the Dobrogea Watershed
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Saturday, 10.09.2022

9:30-13:00	Excursion to Enterprise Tomis Harbour Constanta
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13:00-14:00	Lunch
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14:00-16:00	Reports of the Partner Universities
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16:00-17:00	Discussion on the Project results and future events and activities
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17:00-18:00	Closing ceremony and presentation of certificates
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Sunday, 11.09.2022

Departure
