

**EfxINNOs**  
**Instrumentation Training Workshop**  
**for operators on AUV use, data collection, and data processing.**  
**July 2-4, 2025**

Venue: [Fisheries Research Institute](#)  
Nea Peramos, Kavala, Greece

**Final Agenda**



ΕΙΔΙΚΟΣ  
ΛΟΓΑΡΙΑΣΜΟΣ  
ΚΟΝΔΥΛΙΩΝ  
ΕΡΕΥΝΑΣ  
ΔΗΜΟΚΡΕΤΕΙΟ  
ΠΑΝΕΠΙΣΤΗΜΙΟ  
ΘΡΑΚΗΣ

ΕΙΔΙΚΟΣ ΛΟΓΑΡΙΑΣΜΟΣ ΚΟΝΔΥΛΙΩΝ ΕΡΕΥΝΑΣ  
ΔΗΜΟΚΡΕΤΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΡΑΚΗΣ  
Πανεπιστημιακό Πλ., 69 100 Κομοτηνή

SPECIAL ACCOUNT FOR RESEARCH FUNDS  
DEMOCRITUS UNIVERSITY OF THRACE  
University Campus, GR 69100 Komotini

Day 1 - Wednesday 2 July 2025

Conference Room ([Fisheries Research Institute](#))

Topic	Responsible	Time	Type
<b>Theory + mission programming</b> <ol style="list-style-type: none"> <li>Welcome &amp; Logistics</li> <li>Introduction from FRI</li> </ol>	<b>Manos Koutrakis</b>	<b>09:00 - 09:30</b>	<b>Plenary Session</b>
<ol style="list-style-type: none"> <li>Introduction to EfxINNOs</li> </ol>	<b>Georgios Sylaios</b>	<b>09:30 - 10:00</b>	<b>Plenary Session</b>
<ol style="list-style-type: none"> <li>General mAUV Presentation</li> </ol>	<b>Cyrille Lohier, Sandrine Berthou</b>	<b>10:00-11:00</b>	<b>Plenary Session</b>
<b>Break</b>		<b>11:00-11:30</b>	
<ol style="list-style-type: none"> <li>General presentation of mAUV</li> <li>General Safety Measures</li> <li>Test Cases</li> </ol>	<b>Cyrille Lohier, Sandrine Berthou</b>	<b>11:30 - 13:00</b>	<b>Plenary Session</b>
<b>Break</b>		<b>13:00-14:00</b>	
<b>Payloads</b> <ol style="list-style-type: none"> <li>DVL</li> <li>SSS / Side Scan Sonar</li> <li>Camera</li> <li>CTD</li> </ol> <ol style="list-style-type: none"> <li>Surface Reposition Buoy and SCM</li> <li>GeoSys</li> <li>SDA14</li> <li>Celerity</li> <li>Acoustic Communication</li> <li>AUV Behavior</li> <li>Deployment and recovery</li> <li>After Use</li> </ol>	<b>Cyrille Lohier, Sandrine Berthou</b>	<b>14:00-15:30</b>	<b>Plenary Session</b>
<b>Break</b>		<b>15:30-15:45</b>	





Topic	Responsible	Time	Type
<b>Cousteau Software</b> 1. Mission Planning 2. AUV Check 3. Execution 4. Replay	<b>Cyrille Lohier &amp; Sandrine Berthou</b>	<b>15:45 – 17:00</b>	<b>Plenary Session</b>
<b>Q&amp;A, Discussion</b>	<b>Georgios Sylaios</b>	<b>17:00 – 17:30</b>	<b>Plenary Session</b>



Day 2 - Thursday 3 July 2025-Theory

Conference Room [Fisheries Research Institute](#)

Data Collection and Data Management

Topic	Responsible	Time	Type
<p><b>Theory + mission programming</b></p> <ul style="list-style-type: none"> <li>Buoy deployment and data in Georgia</li> </ul>	<b>Ketevan Kumatadze, G. Kontostavlos</b>	<b>09:00 – 09:45</b>	<b>Theoretical Plenary Session</b>
<ul style="list-style-type: none"> <li>ROV data in Turkey</li> </ul>	<b>Yelda Aktan &amp; Benal Gul</b>	<b>09:45 – 10:15</b>	
<ul style="list-style-type: none"> <li>Introduction to EMODnet and to Seagrass Data Processing for EMODnet</li> </ul>	<b>Dick Schaap</b>	<b>10:15 – 11:00</b>	<a href="https://meet.google.com/ygd-uewz-rza">Online</a> meet.google.com/ygd-uewz-rza
<b>Break</b>		<b>11:00 – 11:30</b>	
<ul style="list-style-type: none"> <li>OceanCast in Greece and Georgia</li> </ul>	<b>Georgios Sylaios</b>	<b>11:30 – 12:00</b>	<b>Theoretical Plenary Session</b>
<ul style="list-style-type: none"> <li>Guidelines for data sharing with EMODnet</li> </ul>	<b>Georgios Sylaios</b>	<b>12:00 – 13:00</b>	<b>Theoretical Plenary Session</b>
<b>Break</b>		<b>13:00-14:00</b>	
<ul style="list-style-type: none"> <li>Geosynthetics NbS for Coastal Protection (EfxINNOs UBBSLA Stakeholder)</li> </ul>	<b>Huesker</b>	<b>14:00 – 14:30</b>	<b>Theoretical Plenary Session</b>
<ul style="list-style-type: none"> <li>ML in Image Processing and Object Recognition</li> </ul>	<b>Fenia Psomouli</b>	<b>14:30 – 15:00</b>	<b>Theoretical Plenary Session</b>
<b>Break</b>		<b>15:00-15:30</b>	
<ul style="list-style-type: none"> <li>Data retrieval from mAUV practicals</li> </ul>	<b>Cyrille Lohier, Sandrine Berthou,</b>	<b>15:30 – 16:30</b>	<b>Practical Plenary Session</b>
<ul style="list-style-type: none"> <li>Data Processing and Introduction to data processing software</li> </ul>	<b>Nikolaos Kokkos</b>	<b>16:30 – 17:00</b>	<b>Practical Plenary Session</b>

Participants in the hands-on training sessions (i.e. the DUTH and NIMRD teams) are required to bring their laptop with the following software pre-installed:

- a) Python 3.12, b) QGIS.



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**Day 2 - Thursday 3 July 2025- Hands-on Training**

**09:00 – 15:00 - Technical Session for mAUV Operators at the Sea**

Topic	Responsible	Time	Type
<ul style="list-style-type: none"> <li>• Mission (Sea trial)</li> <li>• Rinse the AUV</li> <li>• Prepare the mission</li> <li>• Deployment at sea</li> <li>• Recovery of mAUV</li> <li>• Downloading the data</li> <li>• Analyses</li> </ul> <p>The operators will program a mission themselves</p>	<p><b>Cyrille Lohier, Sandrine Berthou</b></p>	<p><b>09:00- 15:00</b></p>	<p><b>RTSYS, DUTH &amp; NIMRD AUV operational teams</b></p>

**Kindly note that Day 2 will include outdoor activities for all mAUV operators. We therefore recommend to the DUTH and NIMRD and RTSYS Operators to bring appropriate clothing (e.g., hats a.s.o.) and sun protection items.**



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**Day 3 - Friday 4 July 2025**

Topic	Responsible	Time	Type
The operators will program again a mission + Maintenance <b>Maintenance</b> <ol style="list-style-type: none"> <li>1. Changing Buoyancy</li> <li>2. Long Travel</li> <li>3. Calibrations</li> <li>4. Nozzle and Fins Replacement</li> <li>5. Updates</li> <li>6. Subconns</li> </ol>	<b>Cyrille Lohier, Sandrine Berthou</b>	<b>09:00- 16:30</b>	<b>RTSYS, DUTH &amp; NIMRD AUV operational teams</b>
Study Visit – Excursion to Philippi (All except RTSYS, DUTH & NIMRD AUV operational teams)  08:00 Departure from Galaxy Hotel, Guided walking tour of Historic centre of <a href="#">Kavala</a> 10:30 Departure to <a href="#">the Archaeological site of Philippi – UNESCO World Heritage Site</a> 13:00 Departure from Philippi to <a href="#">Nea Irakleitsa</a>	<b>Menelaos Chatziapostolidis</b>	<b>08:00- 16:30</b>	<b>(All others)</b>
16:00-16:30 Return to Kavala			<b>All</b>

