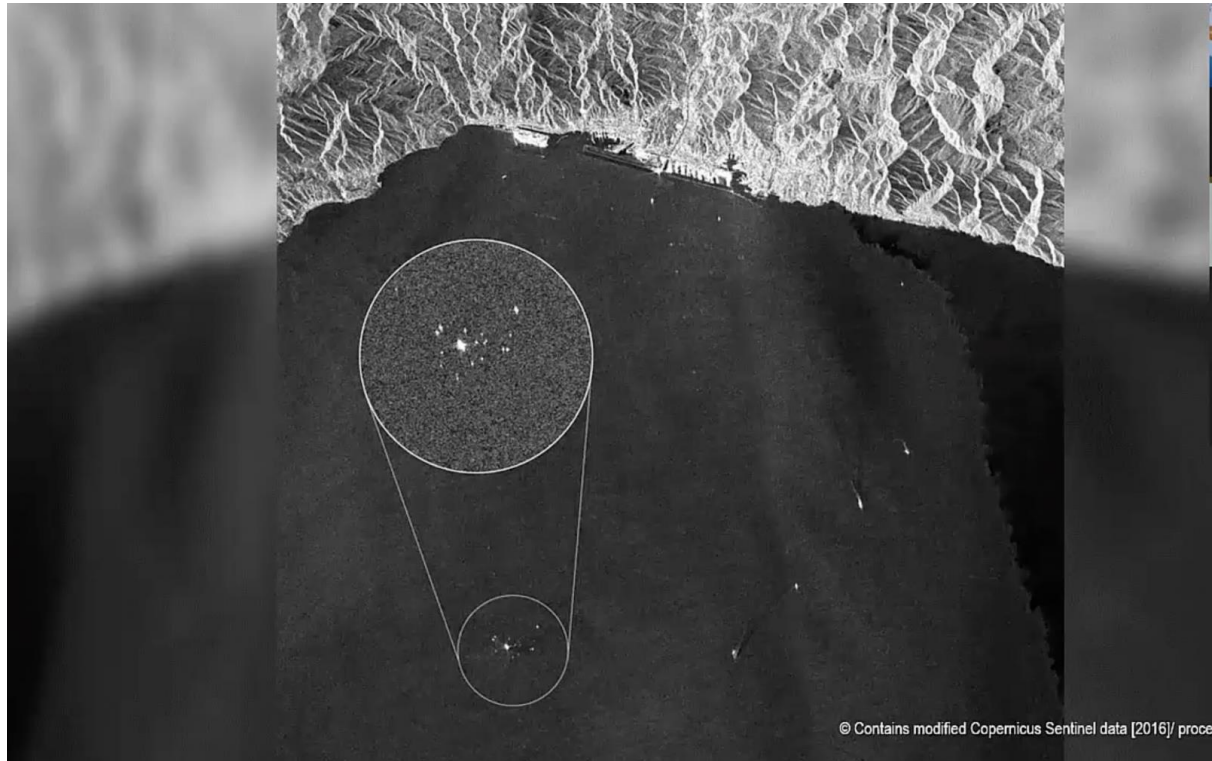


Training on Information and Communications Technology (ICT)

A four-day training was held on June 30th – July via the online platform Zoom.



The interactive training aimed at introducing key aspects of “Information and Communications Technology” to the participants and had been delivered by the European partners of both the MARE and the URGENT project. The training contained the theoretical input by lecturers, practical group exercises for the participants, and additional information and input from experts from the field of ICT. As part of the training, participants had been introduced to the topic of ICTs, their growing importance in society and academia as well as received detailed and in-depth knowledge on important and popular ICT methodologies (e.g., Geo-Information Systems, Lecture Recordings, Web-based Learning Platforms, etc.).

Specific objectives of the training were to strengthen the capacities of participants and fellow project members, to enhance cooperation between partners, and to provide specific scientific knowledge and examples on describing, using, and understanding ICTs. A particular focus lied on the rise of ICTs during the ongoing global pandemic and the lessons learned during this period.

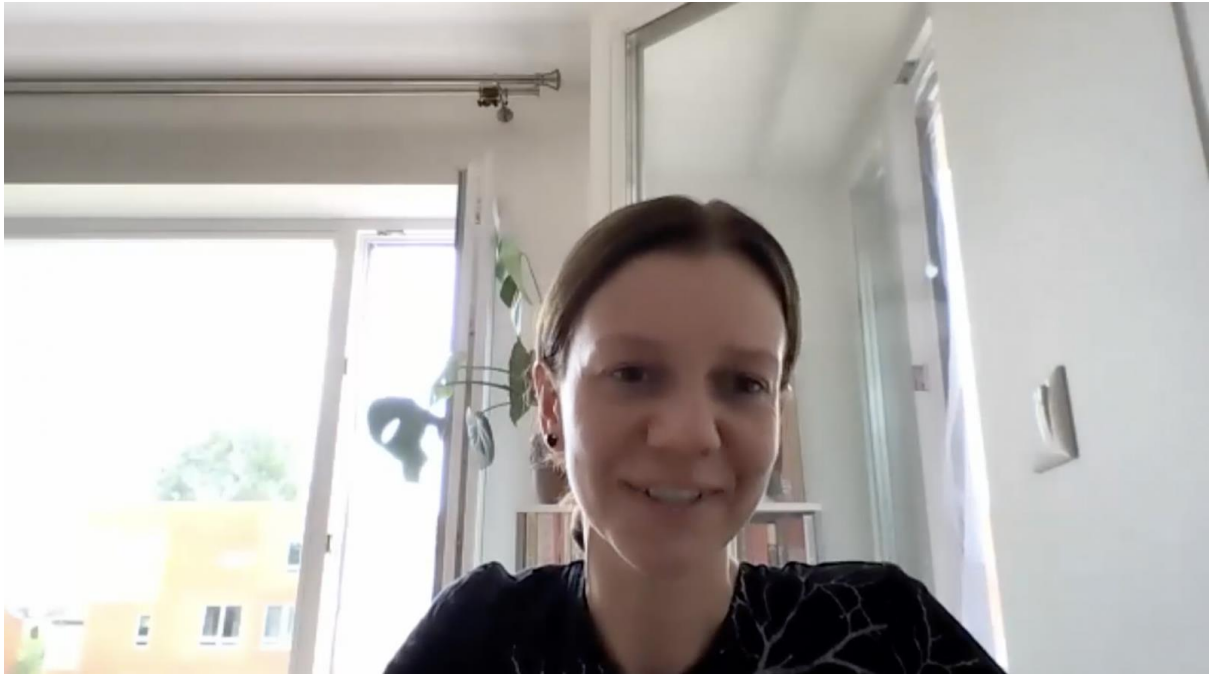
Speakers



1. Arjan de Groot, *Researcher, Institute for Geosciences and Geography, Dept. Sustainable Landscape Development, Martin-Luther-Universität Halle-Wittenberg*



2. Veljo Kabin, *E-learning and Moodle support educational technologist, University of Life Sciences, Estonia*



3. Volha Kaskevich, environmentalist, Chief specialist of Environmental Protection and Landscape Management, Institute of Agricultural and Environmental Sciences, University of Life Sciences, Estonia



4. Alexander Hillmann, Media Services, Education with Video, IT Professional at University of Bremen



5. Daniele La Rosa, Professor (Associate), The University of Catania, Department of Civil Engineering and Architecture



6. Kalev Sepp, Professor, Chair of Environmental Protection and Landscape Management, Institute of Agricultural and Environmental Sciences, University of Life Sciences, Estonia



7. **Simon Bell**, landscape architect, Professor at Estonian University of Life Sciences and Associate Director, OPENspace, Edinburgh College of Art

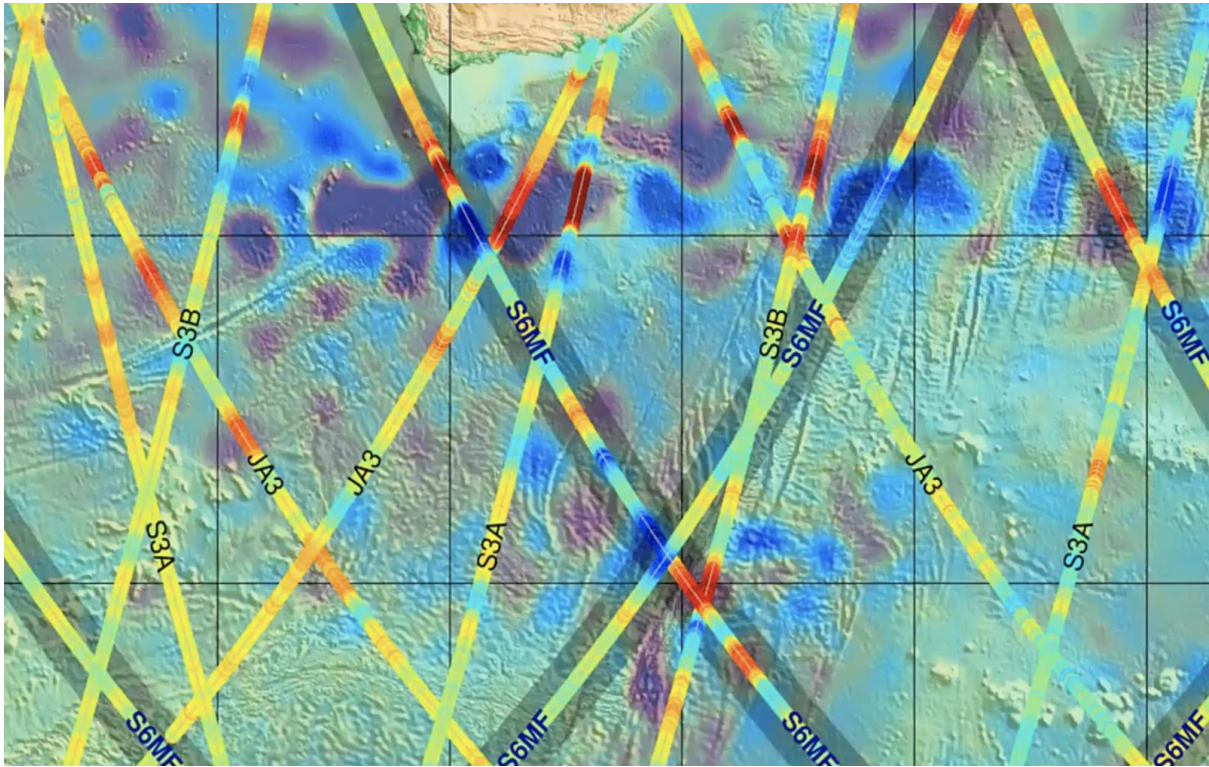


8. **Massimo Zotti**, Head of Government & Security SBU, **Planetek Italia**, specializes in GIS and Remote Sensing at the Geography Department of the University of Nantes (France)



9. **Michael Schwenk**, Media Services, IT Professional at University of Bremen

Outline



Day 0. Preparation to ICT

The preparation of participants provided by facilitators Arjan de Groot and Veljo Kabin: reviewing study materials on ICT and preparation for GIS Exercise, downloading and installing of QGIS.

Day 1. Introduction to ICT and Marketplace on ICT Methods

The first day was dedicated to the topic of Introduction to ICT and Marketplace on ICT Methods in groups with presentations on the Plenary Session and Q&A Panel. Arjan de Groot, Volha Kaskevich, Veljo Kabin made introduction to the topic "What is ICT? Why is it important nowadays? What is the role of ICT during the pandemic? How to use ICT correctly/efficiently? Tie into MARE and URGENT, why ICT is important for those projects? Brief showcase different ICT methods and approaches".

The marketplace was held in group work on the topics, divided by project countries –India, Malaysia, Mongolia, Vietnam:

- E-Learning Platforms (InTeGrate, Ilias, Moodle)
- Online Communication Tools (Zoom, BBB, Google Meet)
- Presentation Tools (Prezi, Google Slides)
- GIS
- Blended Learning

- Online Teaching Tools

Video record of Training Day 1 you could find [by the link](#)

Day 2. ICT Showcases and Group Exercise

Alexander Hillmann, Veljo Kabin, Daniele La Rosa provided the showcases with specific examples from EU practice on Online Teaching Tools (Recording/Giving Lectures), Moodle, E-Learning Platforms, and Geo-Information Systems (GIS).

We provided open data for urban green infrastructure development, which was visualized by participants. Constructed exercise based on that data with different questions had to be answered and maps to be created. The exercise was made in two tasks, one for beginners and one for advanced users of GIS for implementation. The Plenary Session showed correct results so that everyone knew what the idea of the exercise was and how the tool had to be used. With Feedback / Q&A the session was closed.

Video record of Training Day 2 you could find [by the link](#)

Day 3. Best practices from guest lectures

We invited people from the applied field of ICT to showcase their work, method, organization, and tool.

- E-Science was delivered by Kalev Sepp
- Using ICT tools in 3D modeling during the pandemic, Miro & Adobe Rooms by Simon Bell
- Developing software for universities on the topic of online education provided by Michael Schwenk

Q&A after each presentation and the “Open Platform” space were provided during the session.

The working day was finished by the Peer-to-Peer Session, where participants showed their previous work/current projects related to ICT and introduced a part of their project that they are dealing with.

Video record of Training Day 3 you could find [by the link](#)

The training on Information and Communications Technology (ICT) was organized with joint efforts by the University of Bremen, University of Tartu, University of Catania, and University of Halle-Wittenberg. The training is part of the Erasmus+ Programme [URGENT](#) (Urban Resilience and Adaptation for India and Mongolia) and the Erasmus+ Programme [MARE](#) (Marine Coastal and Delta Sustainability for Southeast Asia).

Time(CET)	Wednesday, June 30	Thursday, July 1	Friday, July 2
8:00	Opening and Welcome <i>Overview and Introduction of Training and Participants</i>	Opening Session <i>Recap and Overview of Day 2</i>	Opening Session <i>Recap and Overview of Day 3</i>
8:15	Introduction to ICT <i>Lecture (Arjan de Groot)</i> - What is ICT - Impact and Use of ICT - ICT in Education - Advantages & Disadvantages	ICT Tools and Methods <i>Lecture</i> - Online Teaching (Alexander Hillmann) - Moodle, E-Learning Platforms (Veljo Kabin) - Geo-Information Systems (Daniele La Rosa)	Guest Lectures <i>ICT Experts</i> 1. Online Education / Opencast (Michael Schwenk) 2. E-Science (Kalev Sepp) 3. ICT in Landscape Architecture (Simon Bell)
9:15	BREAK	BREAK	BREAK
9.30	Group Exercise <i>ICT Methodologies</i>	Group Exercise <i>Geo-Information Systems</i>	Expert/Guest Lectures 4. Open Access Copernicus Services for Land Monitoring (Massimo Zotti)
11.00	Group Exercise - Results <i>Plenary Session</i>	Group Exercise - Results <i>Plenary Session</i>	Open Platform <i>Participants showcasing their work related to ICT</i>
11.30	Closing Session <i>Q&A, Outlook to Day 2</i>	Closing Session <i>Q&A, Outlook to Day 3</i>	
12.00	END OF DAY 1	END OF DAY 2	END OF DAY 3

All the participants who have attended the whole program and have completed all the tasks got the certificates.

Co-funded by the
Erasmus+ Programme
of the European Union



Certificate of Training



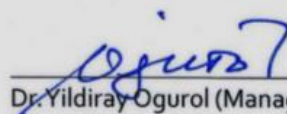
This acknowledges that

Dr. Delgerjargal Dugarjav

has successfully completed the training
program "Training on Information and
Communications Technology (ICT) in the frame
of ERASMUS+ Projects MARE* & URGENT**
and awarded 1 ECTS.

Program duration:
29.06. – 02.07.2021 (20 hours)




Dr. Yildiray Ogurol (Managing Director ZMML)

* **MARE** -Marine Coastal and Delta Sustainability for Southeast Asia
www.mare-project.net



** **URGENT**- Urban Resilience and Adaptation for India and Mongolia:
curricula, capacity, ICT and stakeholder collaboration to support
green & blue infrastructure and nature-based solutions
www.urgent-project.net



University of Bremen



University of Catania



Estonian University
of Life Sciences



Martin-Luther-Universität
Halle-Wittenberg