Urban Resilience and Adaptation for India and Mongolia curricula, capacity, ICT and stakeholder collaboration to support green & blue infrastructure and nature based solutions Co-funded by the Erasmus+ Programme 619050-EPP-1-2020-1-DE-EPPKA2-CBHE-JP

Minutes of Online-Training on Information and Communications Technology (ICT)

Title:	Urban Resilience and Adaptation for India and Mongolia: curricula, capacity, ICT and stakeholder collaboration to support green & blue infrastructure and nature-based solutions – URGENT
Number:	619050-EPP-1-2020-1-DE-EPPKA2-CBHE-JP
Coordinator:	Center for Multimedia in Higher Education (ZMML), University of Bremen
Partners:	UniHB, UNICT, EMU, MLU, MNU, KHU, MULS, UPRI. NGP, JNU, NU, PU, SKUAST-K, NIUA, GIFT

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 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.

Objectives of the training:

of the European Union

- a. To learn about the fundamentals of ICT
- b. Theoretical Input and Practical Exercises
- c. To gain knowledge on ICT Teaching and Learning Tools
- d. Good practice Guest lecturers and practical examples
- e. Advantages and Disadvantages of ICT methods
- f. Interaction between Participants with open-mindedness
- g. To enhance co-operation and strengthen capacities
- h. To use training results for Next Steps in both MARE and URGENT





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



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

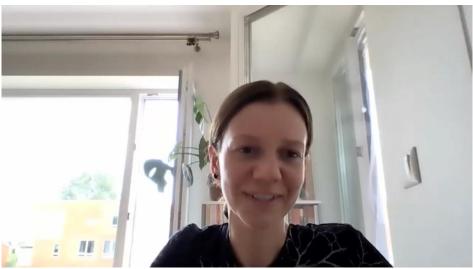




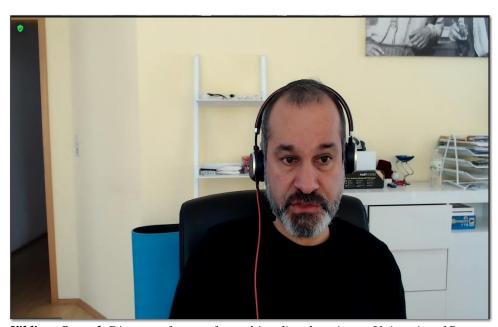








Volha Kaskevich, environmentalist, Chief specialist of Environmental Protection and Landscape Management, Institute of Agricultural and Environmental Sciences, University of Life Sciences, Estonia



Yildiray Ogurol, Director of centre for multimedia education at University of Bremen























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



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

















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



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







619050-EPP-1-2020-1-DE-EPPKA2-CBHE-JP







Michael Schwenk, Media Services, IT Professional at University of Bremen

On Day 1, 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 2 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	University of Halle-Wittenberg, Germany	The first day was dedicated to the topic of Introduction to ICT and
Veljo Kabin	University of Life Sciences, Estonia	Marketplace on ICT Methods in
Volha Kaskevich	University of Life Sciences, Estonia	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".













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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











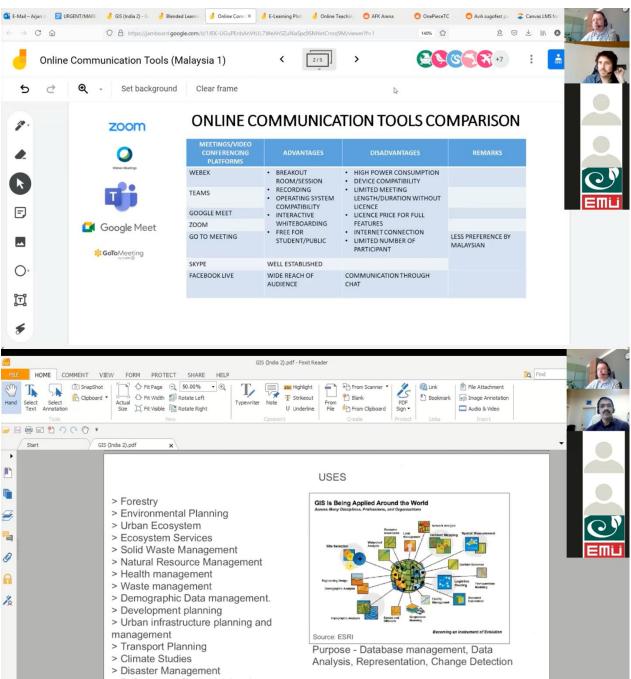
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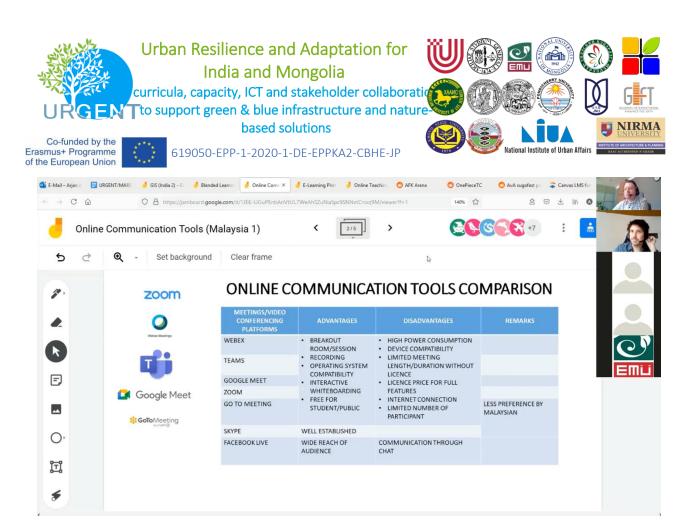




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Video record of Training Day 2 by the link

https://drive.google.com/file/d/19cZRugzKNafrg7DXhWO64UPGDUvGnqjH/view?usp=sharing

Day 3 was dedicated to the topic ICT Tools and Methods showcases and group/individual exercise.

Alexander Hillmann	University of Halle-Wittenberg, Germany	 Showcases with specific examples from EU practice
Veljo Kabin	University of Life Sciences, Estonia	
Daniele La Rosa	Laboratorio per la Pianificazione Territoriale e Ambientale (LAPTA) Dipartimento Ingegneria Civile e Architettura Università di Catania	 a. Online Teaching Tools (Recording/Giving Lectures) b. Moodle, E-Learning Platforms c. Geo-Information Systems (GIS) o Group / Individual Exercise
		The session required pre- installed software. We







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provided open data for urban green infrastructure development, which was visualised 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.



ICT Tools and Methods:

Media Infrastructure and Media Production for Online Teaching

University of Bremen, Center for Multimedia in Higher Education (ZMML)

Dipl.Inf. Alexander Hillmann Bremen 03.06.2021























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ZMML Media Service Department

- → We provide:
- Infrastructure for video based lectures
- Production, management and publication of videos
- Live recording & streaming in lecture halls
- Green screen studio productions
- One-Button-Record-Studio
- Production of films, tutorials, screencasts















India and Mongolia

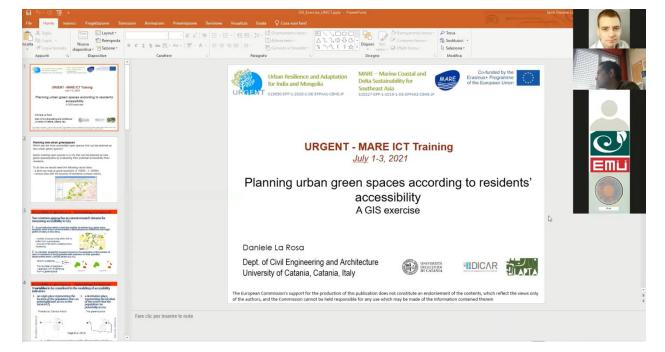




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Video record of Training Day 3 by the link

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Day 4 was dedicated to get inspiration and best practices from guest lectures from Applied ICT.

Kalev Sepp	University of Life Sciences,	We invited people from the
	Estonia	applied field of ICT to showcase
Simon Bell	University of Life Sciences,	their work, method, organisation
	Estonia	and tool.
Michael Schwenk	Heidelberg University, Germany	
		 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.









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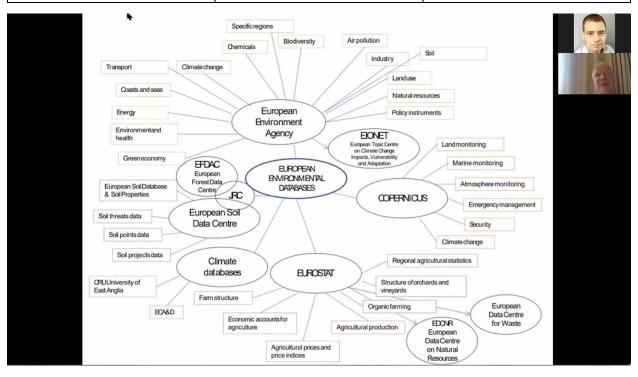








Massimo Zotti	Planetek Italia Tentative title "Open-source satellite imagery for territorial resilience"	Open Access Copernicus Services for Land Monitoring
Open Platform for Participants	Potentially Peer-to-Peer Session	Participants showed their previous work/current projects related to ICT and introduced a part of their project that they are dealing with



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of the European Union



Online Education:

Opencast video-capture, -management, and -distribution system

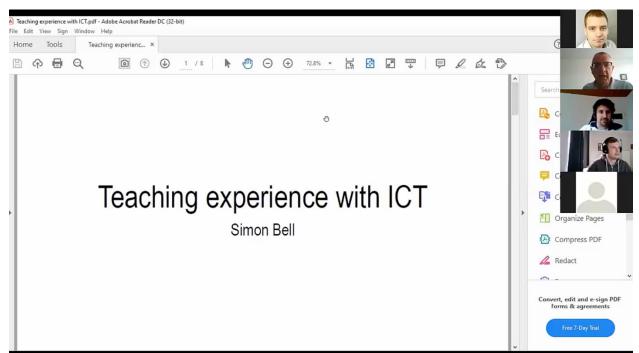
University of Bremen, Center for Multimedia in Higher Education (ZMML)

M.Sc. Michael Schwenk Bremen 01.07.2021













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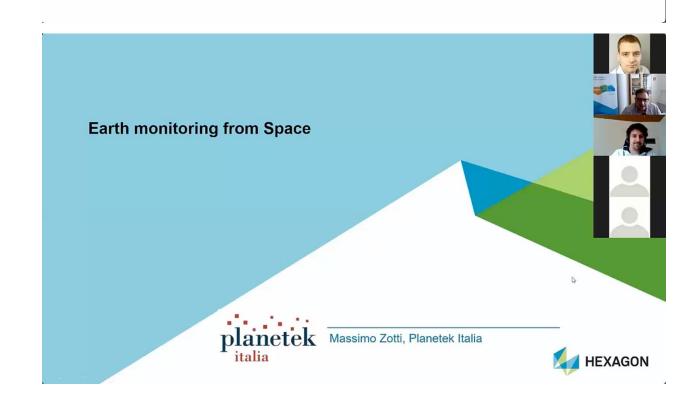




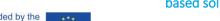
Platforms in use

- There are numerous different platforms in use and of which I have experience fo different roles and with different functionality for teaching as well as meetings:
- · Tools for meetings, lectures, discussions
 - Skype
 - Zoom
 - · MS Teams
 - BigBlueButton
 - · Blackboard Collaborate
 - GoToMeeting
 - AdobeConnect
 - Zomo (a Chinese pirated version of Zoom)
 - · Skyroom (Iranian)













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- Continuous monitoring with satellite data
 of Earth's surface, infrastructures, forests and
 agriculture, urban dynamics or marine coastal areas in
 support of decision-making and operational activities;
- Design and development of Cloud-based geoprocessing solutions, Spatial Data Infrastructures (SDI) and Enterprise solutions for geospatial data management and automatic geo-processing;
- Creation of geo-analytics in support of Decision Support Systems.







Video record of Training Day 4 by the link

https://drive.google.com/file/d/1RJQb2B32EeHWdd9aQBD5b-sCGTvDtdoZ/view?usp=sharing

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













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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)



- * 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











