

In-Service ICT Training for Environmental Professionals (ISEPEI) Bridging ICTs and the Environment: Making Information Talk and Technologies Work

6-10 July 2015, Central European University, Budapest, Hungary

<https://syslab.ceu.edu/courses/SUN2015/talk>



UNITED NATIONS
Office for Outer Space Affairs

Monday July 6 th	Introduction (<i>Nador 11, Room 004 unless otherwise specified</i>)
8:30 – 9:00	Registration (<i>Nador 9 Outside Auditorium</i>)
9:00 – 9:30	CEU Summer University Orientation (<i>Nador 9 Auditorium</i>)
9:30 – 10:30	<p>Welcome and Opening Remarks (<i>move to Nador 11, Room 004</i>)</p> <p>Viktor Lagutov (CEU) and Mahesh Pradhan (UNEP) <i>Welcome from Course Directors</i></p> <p>Mahesh Pradhan (UNEP) <i>Sustainability and Higher Education</i></p> <p>Lorant Czaran (UN Office for Outer Space Affairs – UNOOSA) <i>Opening Statement</i></p> <p>Emily Nilson (CEU) <i>Logistical Information</i></p>
10:30 – 10:50	Coffee Break (<i>Outside Auditorium</i>)
10:50 – 12:20	<p>The Need for Improved Data-Driven Decision-Making in Water Security</p> <p>Irina Makarenko (Commission on the Protection of the Black Sea Against Pollution, Turkey) <i>ICT in the Black Sea Region: Experience of the Black Sea Commission</i></p> <p>Vadim Sokolov (Scientific-Information Center of the Interstate Coordination Water Commission of Central Asia – SIC-ICWC & Global Water Partnership Central Asia and Caucasus – GWP CACENA, Uzbekistan) <i>Data Needs for Interstate Coordination: Experience of the SIC-ICWC</i></p> <p>Viktor Lagutov (CEU) <i>Eye on Earth Initiative and Summit</i></p>
12:20 – 13:40	Lunch (<i>Rétesház [Strudel House], Október 6 utca 22</i>)
13:40 – 15:10	<p>ICT Solutions for Water Security: an Introduction</p> <p>Arnold Nagy (CEU) <i>Information and Communication Technologies (ICTs) for Water Management and Water Security: a Brief Overview of Tools and Methods</i></p> <p>Lorant Czaran (UNOOSA, Austria) <i>An Introduction to the United Nations Office for Outer Space Affairs with a Focus on the Space Applications Programme and UN-SPIDER</i></p>
15:10 – 15:30	Coffee Break (<i>Outside Auditorium</i>)
15:30 – 17:30	<p>Participant Experience and Presentations</p> <p>Aram Gevorgyan (USAID “Clean Energy and Water Program”, Armenia) <i>Decision Support System (DSS) for Water Resources Management in Armenia</i></p> <p>Ankit Patel (Resourcematics Limited, UK) <i>Global Water Risk Mapping Tool – an Analysis of Current and Future Water Demand and Supply</i></p> <p>Dmytro Diadin (Kharkiv Academy of Municipal Economy, Ukraine) <i>GIS Tools for Surface and Groundwater Monitoring on Oil and Gas Extraction Areas in East Ukraine</i></p> <p>Ilkhom Soliev (Technical University of Berlin, Germany) <i>The Costs of Benefit Sharing:</i></p>

18:00 – 19:30	<p><i>the Case of the Ferghana Valley, the Syr Darya Basin</i></p> <p>Shaneica Lester (University of the West Indies, Jamaica) <i>Thirsty Communities – Reducing Urban Vulnerability and Improving Water Accessibility in Kingston, Jamaica: The Household Water Accessibility Index</i></p> <p>Welcome Reception (<i>Nador 9, Outside Auditorium</i>)</p>
Tuesday July 7th	Case Studies & Data Supply (<i>Nador 11, Room 004</i>)
9:00 – 10:30	<p>Case Studies</p> <p>Kirstin Miller (Ecocity Builders, USA) <i>The Ecocitizen World Map Project: Explore Your Urban World</i></p> <p>Mustapha Mimouni (Sahara and Sahel Observatory, Tunisia) <i>Water Resources Management Using Remote Sensing and GIS: NWSAS Case Study</i></p>
10:30 – 10:50	Coffee Break (<i>Outside Auditorium</i>)
10:50 – 12:20	<p>Case Studies, cont.</p> <p>Grazia Fiore (Eurisys, France) <i>Improving Management of Water and Water-Related Risks: Operational Practices from Environmental Managers Using Services Based on Satellites</i></p> <p>Mary-Jeanne Adler (Ministry of Environment, Waters and Forests, Romania) <i>Flood Mapping and Water Quality Survey: Results of the Danube Floodrisk and Danube WATER Projects</i></p>
12:20 – 13:40	Lunch (<i>Rétesház [Strudel House], Október 6 utca 22</i>)
13:40 – 15:00	<p>Case Studies, cont.</p> <p>Vadim Sokolov (SIC-ICWC, GWP CACENA) <i>GIS / Modeling in the Aral Sea Basin</i></p> <p>Irina Gilfanova (CEU) <i>ArcGIS Application in Basin-Scale Water Security Assessments: Azov Sea Case Study</i></p>
15:00 – 15:10	Group Photo (<i>Location TBA</i>)
15:10 – 15:30	Coffee Break (<i>Outside Auditorium</i>)
15:30 – 17:00	<p>Data Supply</p> <p>Ed Parsons (Google, UK) <i>The Quantified Earth</i></p>
Wednesday July 8th	ICT: Geographic Information Systems (<i>Split between Nador 9 Basement – Blue Computer Lab and Nador 11, Room 004</i>)
9:00 – 10:30	<p>Introduction to Geographic Information Systems (GIS) (<i>Nador 9 – Blue Computer Lab, TBC</i>)</p> <p>Viktor Lagutov (CEU) <i>Geographic Information Systems in Assessing Water Security</i></p>
10:30 – 10:50	Coffee Break (<i>Outside Auditorium</i>)
10:50 – 12:20	<p>Hands-On Esri ArcGIS Online Practical Session (<i>Nador 9 – Blue Computer Lab</i>)</p> <p>Viktor Lagutov & Emily Nilson (CEU)</p> <ul style="list-style-type: none"> • Exploring maps and adding content on ArcGIS Online • Creating your own maps, creating applications • Spatial analysis
12:20 – 13:40	Lunch (<i>Rétesház [Strudel House], Október 6 utca 22</i>)

<p>13:40 – 17:00</p> <p>15:10 – 15:30</p>	<p>Crowdmapping Cities from a People’s Perspective (<i>Nador 11, Room 004</i>) Kirstin Miller (Ecocity Builders)</p> <ul style="list-style-type: none"> • PAR and Community Planning • Systems and Urban Metabolism • Visualizing Urban Data • Neighborhood Surveying Techniques <p>Coffee Break (<i>Outside Auditorium</i>)</p>
<p>Thursday July 9th</p>	<p>ICT: Remote Sensing (<i>Split between Nador 11, Room 004 and Nador 9 Blue Computer Lab</i>)</p>
<p>9:00 – 12:20</p> <p>10:30 – 10:50</p> <p>12:20 – 13:40</p> <p>13:40 – 17:00</p> <p>15:10 – 15:30</p> <p>19:00 – 22:15</p>	<p>UNOOSA Remote Sensing Introduction (<i>Nador 11, Room 004</i>) Lorant Czaran (UNOOSA) <i>Earth Observation Benefits for Sustainable Development: Water and Hazard-Related Applications</i></p> <p>Coffee Break (<i>Outside Auditorium</i>)</p> <p>Lunch (<i>Rétesház [Strudel House], Október 6 utca 22</i>)</p> <p>UNOOSA Remote Sensing Practical Session (<i>Nador 9 - Blue Computer Lab</i>) Lorant Czaran (UNOOSA) <i>Testing Best Practice Scenarios from UN-SPIDER Knowledge Portal</i></p> <p>Coffee Break (<i>Outside Auditorium</i>)</p> <p>Danube Boat Trip and Social Dinner</p>
<p>Friday July 10th</p>	<p>Other ICTs and Funding Opportunities (<i>Nador 11, Room 004</i>)</p>
<p>9:00 – 10:30</p> <p>10:30 – 10:50</p> <p>10:50 – 11:35</p> <p>11:35 – 12:20</p> <p>12:20 – 13:40</p> <p>13:40 – 15:00</p> <p>15:00 – 15:45</p> <p>15:45 – 17:00</p>	<p>Open-Source Technologies Istvan Waltner (Szent Istvan University, Hungary) <i>Water Observation and Information System (WOIS): an Open-Source Toolbox for Integrated Water Resources Management</i></p> <p>Coffee Break (<i>Outside Auditorium</i>)</p> <p>Knowledge Portals Lorant Czaran (UNOOSA, Austria) <i>UN-SPIDER Knowledge Portal</i></p> <p>Data and Information Repositories Vadim Sokolov (SIC-ICWC, GWP CACENA) <i>Global Water Partnership Toolbox: Integrated Water Resources Management</i></p> <p>Lunch (<i>Rétesház [Strudel House], Október 6 utca 22</i>)</p> <p>Funding Opportunities Zsuzsanna Gabor (CEU Academic Research and Cooperation Office) <i>European Funding for Research and Cooperation</i></p> <p>Massive Open Online Courses (MOOCs) Mahesh Pradhan (UNEP) <i>ICT applications for Environmental Education: Case study of UNEP’s Massive Open Online Course on Disasters and Ecosystems</i></p> <p>Course wrap-up session and closing ceremony (<i>Location TBA</i>)</p>