

EcoArm2ERA summer school

Bridging ICTs and Environment

"Spatial Planning and Environmental Assessment for
Decision Making in Europe"

7-11 July, 2014. Venue: Central European University, Budapest, Hungary

Registration page: <http://summer.ceu.hu/planning-2014>



Version: 2.7.2014

Monday, 7 July 2014 (Plenary session joint with UNEP track)		
"Bridging ICTs and Environment". ICTs to support decision making in water management and spatial planning		
<i>(CEU Auditorium, Open for CEU community and wide public)</i>		
Time	Subject	Presenter/teacher
8:30 - 9:00	<i>Registration (outside of auditorium)</i>	
9:00 - 9:30	<i>CEU orientation in auditorium with introduction</i>	
10:00 - 10:50	Welcome Session and Opening Remarks	
	Welcome Statement	John Shattuck (CEU Rector)
	ICTs in Water Management	Zoltán Illés (Ministry of Environmental Affairs, Hungary)
	Sustainability and Higher Education	Mahesh Pradhan (UNEP)
	What on Earth?	Larissa Owen (Abu Dhabi Global Environmental Data Initiative)
10:50 - 11:10	<i>Coffee break, outside auditorium</i>	
11:10 – 12:20	Decision-Making Section	
	Access to Environmental Information and Bali Guidelines on Rio Principle 10	Stephen Stec (CEU, EyeOnEarth Access for All Special Initiative)
	Assessing the Status of Waters and Related Transboundary Challenges	Annukka Lipponen (UNECE, Secretariat of Water Convention, Switzerland)
	ICT in the Black Sea Region: Experience of the Black Sea Commission	Irina Makarenko (Commission on the Protection of the Black Sea Against Pollution)

12:20 – 13:30	<i>Lunch, Nador 13 Central Bistro & Bar</i>	
13:30 - 15:20	Technology Section	
	ICTs in Environmental Management: Prospects and Challenges	Dr. Viktor Lagutov (CEU)
	The Quantified Earth	Ed Parsons (Google)
	Technology for Geographic Information Management and Analysis	Dean Djokic (Esri, California, USA)
	An Introduction to the United Nations Office for Outer Space Affairs with a Focus on the Space Applications Programme and UN-SPIDER (Disaster Management)	Lorant Czaran (United Nations Office for Outer Space Affairs, Vienna / EyeOnEarth Disaster Management Special Initiative)
15:20 - 15:40	<i>Coffee break, outside auditorium</i>	
15:40 – 17:00	Case Studies Section	
	EU/FP7 EnviroGRIDs Project: Building Capacity for a Black Sea Catchment Observation and Assessment System Supporting Sustainable Development	Dr. Nicolas Ray (UNIGE & UNEP/GRID-Geneva)
	Group on Earth Observations and Related Work: Georgian Experience	Dr. Mamuka Gvilava, (GeoGraphic, Georgia)
	ICT for Planning and Policy	Prof. Zorica Nedovic-Budic (UCD, Ireland)
18:00 - 19:30	CEU Reception (Auditorium)	

Tuesday, 8 July, 2014		
The role of data sharing and interoperability for environmental management		
Nador 9 Faculty Tower Room 509 Morning chair: Dr. Nicolas Ray Afternoon chair: Dr. Shushanik Asmaryan		
<i>Time</i>	<i>Subject</i>	<i>Presenter</i>
9:00 - 9:30	Opening and introduction to participant organizations (UCD School of Geography, Planning and Environmental Policy and Earth Institute, Center for Ecological-Noosphere Studies of National Academy of Sciences of Armenia, University of Geneva, GIRAF)	Org. committee
9:30 - 10:40	Introductory lecture on data sharing and Spatial Data Infrastructure (SDI)	Yaniss Guigoz
10:40 - 11:00	<i>Coffee break, Nador 9 Faculty Tower, 5th Floor</i>	
11:00 - 11:45	Towards Armenia's integration into European Research Area: challenges, opportunities and achievements - FP7 EcoArm2ERA project	Dr. Shushanik Asmaryan
11:45 - 12:30	Methods and Tools for dual access to the EO databases of the EU and Russia: the MEDEO project	Dr. Andrey Girenko
12:30 - 13:30	<i>Lunch, Nador 13 Central Bistro & Bar</i>	
13:30 - 14:15	Moving from Disciplinary and Interdisciplinary Frameworks and Results toward an Integrated Transition Strategy: Midterm Lessons from TURAS Project	Prof. Zorica Nedovic-Budic
14:15 - 15:00	Multidisciplinary approaches of ICT and Environmental sciences: environmental data sharing for the benefit of the Armenian scientific community	Dr. Shushanik Asmaryan
15:10 - 15:30	<i>Coffee break, Nador 9 Faculty Tower, 5th Floor</i>	



15:30 - 17:00	<p style="text-align: center;">Participant's presentation session</p> <p>Presentation of MSc/PhD/postdoc work, and discussion of how they could integrate with what was learnt in other sessions</p> <p>Ms. Monika Kustra ICT Solutions and Sustainable Urban Spatial Planning</p> <p>Ms. Dragana Bojovic An Online Platform for Supporting the Analysis of Alternative Adaptation Measures in the Alps</p> <p>Ms. Aliaksandra Skachkova Natural-anthropogenic landscape structure monitoring using remotely sensed observations</p>	
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Wednesday, 9 July, 2014		
(Bio)geochemical investigations as a tool for environmental assessment and spatial planning Nador 9 Faculty Tower Room 509 Morning chair: Dr. Armen Saghatelian Afternoon chair: Dr. Lilit Sahakyan		
Time	Subject	Presenter
9:00 - 10:40	Geochemical investigations as a tool for spatial planning (case studies)	Dr. Lilit Sahakyan Dr. Armen Saghatelian (CENS)
10:40 - 11:00	<i>Coffee break and poster session, Nador 9 Faculty Tower, 5th Floor</i>	
11:00 - 11:45	Metal behaviour in aquatic systems: biogeochemical control	Dr. Isabelle Worms (UNIGE)
11:45 - 12:15	<p style="text-align: center;">Participant's presentation session</p> <p>Presentation of MSc/PhD/postdoc work, and discussion of how they could integrate with what was learnt in other sessions</p> <p>Ms. Nairuhi Maghakyan Assessment of dust and heavy metals pollution of air of the city of Yerevan</p>	
12:30 - 13:30	<i>Lunch, Nador 13 Central Bistro & Bar</i>	
13:30 - 15:10	<p style="text-align: center;">Participant's presentation session (cont'd)</p> <p>Mr. Gevorg Tepanosyan Ensuring continuity of eco-geochemical studies for monitoring and environmental planning of cities</p> <p>Ms. Azatuhi Hovsepyan GIS technologies for the urban landscape stability assessment</p> <p>Mr. Aram Gevorgyan Classification of Land use / Land cover by European Environmental Agency's CORINE system for Southern Basin Management Area of Armenia using RapidEye imagery</p>	
15:10 - 15:30	<i>Coffee break, Nador 9 Faculty Tower, 5th Floor</i>	
15:30 - 17:00	<p style="text-align: center;">Participant's presentation session (cont'd)</p> <p>Dr. Vahagn Muradyan, Ms. Azatuhi Hovsepyan, Mr. Gevorg Tepanosyan and Mr. Garegin Tepanosyan The possible application of the MOLAND model in Armenia: capabilities and prerequisites</p>	

	Ms. Blanca Fernandez Milan Interlinkages between Transit-oriented Development and Social Capital: The case of Medellin, Colombia	
19:00 - 22:15	Danube Boat Trip and Social Dinner	

Thursday, 10 July, 2014		
Sustainable landuse & ICT Nador 9 Faculty Tower Room 509 Morning chair: Dr. Nicolas Ray		
Time	Subject	Presenter/Teacher
9:00 - 9:45	Presentation of the project "Mapping and assessing the grasslands for sustainable management" CARMAC project	Dr. Shushanik Asmaryan
9:45 - 10:30	The land use model MOLAND and its application supporting decision makers and planners	Ms. Sheila Convery (PhD student)
10:40 - 11:00	<i>Coffee break, Nador 9 Faculty Tower, 5th Floor</i>	
11:00 -11:45	Opportunity Mapping Informing Decision Makers: Case Study from Ireland	Ms. Sheila Convery (PhD student)
11:45 -12:05	Geospatial ICT for Urban Resilience and Sustainability (TURAS Project)	Ms. Aoife Corcoran (PhD student)
12:05 -12:25	Spatially Integrated Policy Infrastructure (SIPI) for Planning in Flood-prone Areas	Ms. Jing Ran (PhD student)
12:30 - 13:30	<i>Lunch, Nador 13 Central Bistro & Bar</i>	
Concurrent sessions		
13:30 - 15:10		
	A. Current eLearning trends: Implementation Scenarios (room: Nador 9, 509)	A. Horfurter
	B. Workshop on Getting European Funding for Projects and Research (room: Nador 11, 004)	Zsuzsanna Gabor (Academic Cooperation and Research Support Office, CEU)
15:10 - 15:30	<i>Coffee break, Nador 9 Faculty Tower, 5th Floor</i>	
15:30 - 17:00	Concurrent sessions (cont'd)	
	A. Current eLearning trends (room: Nador 9, 509) (cont'd)	A. Horfurter

Friday, 11 July, 2014		
Hands-on session, open-source GIS Nador 9 Blue Computer Lab.		
9:00 - 10:40	Hands-on session on open-source GIS (QGIS)	Yaniss Guigoz (UNIGE)
10:40 - 11:00	<i>Coffee break, Nador 9 Faculty Tower, 5th Floor</i>	
11:00 - 12:30	Hands-on session on open-source GIS (QGIS)	Yaniss Guigoz (UNIGE)
12:30 - 13:30	<i>Lunch, Nador 13 Central Bistro & Bar</i>	
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