

GI_Forum 2013

SYMPOSIUM and EXHIBIT
GIScience & Technology
Learning with GI

Creating the GISociety

July 2 – 5, 2013 | Salzburg, Austria

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have access to
AGIT Symposium,
AGIT EXPO,
Poster Gallery
and all social events.

GI_Forum 2013

TUESDAY, July 2

10:00 - 18:00
On-site Registration

Time	B – Blauer Hörsaal
12:45	Short Opening GI_Forum
	B1. SDI: Spatial Data Infrastructures
13:00	SUNSHINE – Smart Urban Services for Higher eNergy Efficiency W. Wasserburger, CEIT Alanova – Institute of urbanism, transport, environment and information society, Germany
13:20	Finding the right approach for a national underground infrastructure register Object P. Viskanic, Tst Engineering, Italy
13:40	EURAC SDI: a near real time and offline automatic metadata generation processing chain T. Firdausy Puspita, EURAC Research, Italy
14:00	IDE-OTALEX. The first crossborder SDI between Portugal and Spain T. Batista, CIMAC, ICAAM-University of Évora, Portugal
14:30	Coffee / Tea break
	B2. MGT: Geodata
15:00	Development and completeness of points of interest in free and proprietary data sets: a Florida case study H. Hochmair, University of Florida, USA
15:20	shareOGD – an approach for integrating semantic information in open government data J. Scholz, Research Studios Austria – ISPACE, Austria
15:40	Evaluating global land cover datasets: comparing informal VGI on cropland with formal remote sensing data A. Comber, University of Leicester, GB
16:00	An extension of an ontology-based land cover designation approach for fuzzy rules M. Belgiu, Austrian Academy of Sciences, Austria
16:30	Coffee / Tea break
17:00	B3. KEY: KEYNOTE Creating the GI Society amidst new spatial technologies: Transforming social relations, civic engagement and education S. Elwood, University of Washington, USA
18:00	GI_Forum Icebreaker 

Thursday - Friday | HS 421 (see AGIT programme)

"Young researcher's corner"

J10 | 09:30 – 11:00 Uhr | Geoff Zeiss
J11 | 11:30 – 13:00 Uhr | Carmel Mbizvo
J12 | 14:00 – 15:30 Uhr | Sarah Elwood
J15 | 09:30 – 11:00 Uhr | Francis Harvey
J16 | 11:30 – 13:00 Uhr | Xavier Lopez

Open to AGIT Symposium participants!
> Tel.: +43 (0)662 8044 7585
> office@gi-forum.org

WEDNESDAY, July 3

Time	C – Grüner Hörsaal / A – Audi Max	D – GI Studio
	C4. HAB: Opening session Habitat Monitoring (EO4Hab) I	D4. EDU: GISociety I
09:00	Earth observation for habitat and biodiversity monitoring S. Lang, Department of Geoinformatics – Z_GIS, University of Salzburg, Austria	The uses of geomedia – an object-centered and situated approach P. Abend, University of Cologne
09:20	An introduction to the BIO_SOS project: Biodiversity Multi-Source Monitoring System – from space to species P. Blonda, CNR-ISSIA, Italy	Irreducibly Real Information Infrastructures: Practices beyond universals F. Harvey, University of Minnesota, USA
09:40	Comparing habitat classification schemes for assessing landscape diversity A. Kallimanis, University of Western Greece, Greece	Probing the Implications of Facebook Use for the Organisational Form of Social Movement Organisations D. Mercea, The Hague University of Applied Sciences, The Netherlands
10:00	Validation of habitat assessment services in Natura 2000 sites: streamlining the role of stakeholders from user needs to conservation status evaluation C. Schröder, University of Málaga, Spain	
10:30	A5. AGIT & GI_Forum Opening Ceremony (Audi Max) KEY: KEYNOTE Drehkreuz GDI – Geoinformatik Interdisziplinär J. Strobl, Department of Geoinformatics – Z_GIS, University of Salzburg	
12:00	agit_EXPO Opening / Lunch break 	
	C6. HAB: Habitat Monitoring (EO4Hab) II	D6. EDU: GISociety II
13:00	Mapping natural habitats using remote sensing and Sparse Partial Least Square Discriminant Analysis C. Corbane, Irstea, France	Gender dimensions in UGC and VGI – a desk-based study E. Häusler, Salzburg Research, Austria
13:20	Habitat quality analysis of Natura 2000 riparian forests B. Riedler, Department of Geoinformatics – Z_GIS, University of Salzburg, Austria	Gamification of geographic data collection D. Odobašić, University of Zagreb, Faculty of Geodesy, Croatia
13:40	Exploitation of remote sensing data for land cover to habitat map translation: a case study M. Adamo, CNR-ISSIA, Italy	Analyzing the intrinsic logics of cities with multi-layer maps N. Ferber, Department of Geoinformatics – Z_GIS, University of Salzburg, Austria
14:00	Mapping habitats in Alpine regions using multi-temporal RapidEye data K. Renner, EURAC Research, Italy	
14:30	Coffee / Tea break	
	C7. HAB: Habitat Monitoring (EO4Hab) III	D7. EDU: Spatial Citizenship I
15:00	Hybrid pixel- and object-based approach to habitat condition monitoring G. Smith, Specto Natura, GB	Where do critical thinking and spatial citizenship meet? – proposing a framework of intersections V. Carlos, University of Aveiro, Portugal
15:30	Comparison of land cover/land use and habitat classification systems for habitat mapping from space: strengths and weaknesses evidenced in Mediterranean sites of Natura 2000 network V. Tomaselli, CNR-IGV, Italy	Spatial thinking or thinking geographically? On the importance of avoiding maps without meaning A. Uhlenwinkel, University of Potsdam, Germany
16:00	15:40 Poster/discussion session	Spatial Citizenship – the concept of competence I. Gryl, University of Koblenz-Landau, Germany
16:30	Coffee / Tea break	
	C8. HAB: Habitat Monitoring (EO4Hab) IV	
17:00	Copernicus programme: towards an operational service for European land monitoring A. Sousa, European Environment Agency, Denmark	
	Modelling the connectivity of Natura 2000 sites and their integration in the wider landscape C. Estreguil, Joint Research Centre (JRC), Italy	
18:00	KEY: KEYNOTE Exploring, revealing, celebrating and championing biodiversity for the benefit and enjoyment of all C. Mbizvo, South African National Biodiversity Institute (SANBI), South Africa	
18:30	agit EXPO-NIGHT, Poster session sponsored by Platinum Sponsor 	

PROGRAMME TOPICS

EDU Learning with GI
HAB Habitat Monitoring
KEY Keynote
MGT Geodata
MOD Modelling

MON Global Change
SDI Spatial Data Infrastructures
SPA Spatial Analysis
TEC Technology and Application
WEB WebGIS

Time	A – Audi Max / C – Grüner Hörsaal	D – GI Studio
	A9. KEY: KEYNOTE	
08:30	Integrating Geospatial Information Technology Enables Vertical Industry Solutions G. Zeiss, tba	
09:30	C10. MON: Global Change Using crowdsourcing to examine land acquisitions in Ethiopia F. Albrecht, International Institute for Applied Systems Analysis (IIASA), Austria	D10. EDU: Learning Environments & School Initiatives I Using versatile cartographic means in a virtual field trip to Cologne F. von Reumont, University of Cologne, Germany
09:50	The ecosystem approach as a means to characterise urban green spaces O. Gunawan, University of Salford, GB	How to map audio data with students after going fieldwork using mobile devices? J. Staub, IFE-ENS Lyon, France
10:00	Relationship of canopy cover with TanDEM-X features in a tropical peat swamp forest M. Schlund, Astrium GEO Information Services, Germany	Preparing a Vienna project week in Web 2.0 (...from approved forms of preparation to e-learning resulting in e-content) J. Hofer, NMSMarianum Freistadt, Austria
10:20	Geographical Information System "meets" Environmental Data Management H. Rudolf, M.O.S.S. Computer Grafik Systeme GmbH, Germany	
11:00	Coffee / Tea break	
11:30	C11. SPA: Spatial Analysis I Driving forces of non-violent crime in Houston, TX: a spatially filtered negative binomial model, M. Helbich, University of Heidelberg, Germany	D11. EDU: Learning Environments & School Initiatives II Rethinking the space: GPS drawing as a tool to examine spatial patterns and relationships T. Schuppenlehner, University of Natural Resources and Life Sciences, Vienna, Austria
11:50	Landspotting: a serious iPad game for improving global land cover T. Sturm, TU Vienna, Austria	Experience with the GIS Mobility project at KOGEKA: an example of co-operation between primary and secondary schools on school mobility and traffic safety J. Dierckx, KOGEKA, Belgium
12:10	A new cloud-based deployment of image analysis functionality, T. Bahr, Exelis Visual Information Solutions GmbH, Germany	Promoting spatial thinking and learning with mobile field trips and eGeo-Riddles E. Michel, Ruhr University Bochum, Germany
12:30	Analyzing the impact of one important unplanned exceptional event, namely hurricanes, on crime in Louisiana, U.S. Using a visual analytics approach M. Leitner, Louisiana State University, USA	
13:00	Lunch break	
14:00	C12. MOD: Modelling and Mapping A proposal for mapping historic irrigation channels to reveal insights into agro-climatic systems – a case study in upper Austria, C. Neuwirth, Dep. of Geoinformatics – Z_GIS, University Salzburg, Austria	D12. EDU: Spatial Citizenship II Education for Spatial Citizenship (panel) I. Gryl / J. Tulivuori / K. Donert / R. Vogler / T. Jekel, Department of Geoinformatics – Z_GIS, University of Salzburg, Austria
14:20	Improved cropland mapping in Ethiopia C. Perger, International Institute of Applied Systems Analysis (IIASA), Austria	
14:40	Creating a geodatabase for tourism research in the Sultanate of Oman M. Herrmann, University of Salzburg, Austria	
15:00	Simplifying and Exchanging 3D Utility Network using City Models I. Hijazi, An-Najah University, Palestine	
15:30	Coffee / Tea break	
16:30	C13. SPA: GI_Forum Spatial Analysis II Spatiality explicitly approach for sensitivity and uncertainty analysis of GIS-Multicriteria landslide susceptibility mapping B. Feizizadeh, Dep. of Geoinformatics – Z_GIS, University Salzburg, Austria	D13. EDU: GI_Forum Empirical research on learning with GI The identification and collection of geographical information and mobile learning with smartphones – the design of an empirical study M. Groessler, University of Koblenz-Landau, Germany
16:50	A spotlight on mobility and interconnection in rural vs. urban areas, E. Haslauer, Dep. of Geoinformatics – Z_GIS, University Salzburg	What happens when teacher training in digital geomedias is over? Case studies analyzing levels of pedagogical integration T. Bartoschek, Institute for Geoinformatics – Universität Münster, Germany
17:10	Excess heat-related mortality in micro-urban heat islands: A case-only study in Barcelona, J. Glutting, UNIGIS Amsterdam, USA	Assessing the usability of WebGIS for schools M. Düren, Institute for Geoinformatics – Universität Münster, Germany
17:30	Using GIS methods in spatial modelling of climatic water balance index A. Wypych, UNIGIS Krakow, Poland	
18:00	KEY: KEYNOTE Aligning Spatial and Semantic Data to Support Big Data Analysis X. Lopez, Oracle Corp., USA	
18:30	Buffet Dinner on the "Klavierterrasse" / Poster Award	

Time	A – Audi Max / C – Grüner Hörsaal	D – GI Studio
	A14 KEY: KEYNOTE	
08:30	A New Age of Discovery: The Post-GIS Era F. Harvey, University of Minnesota, USA	
09:30	C15. TEC: GI Technology and Application I Landsat time series analysis for modeling temporal probability for landslides occurrences in Curvature Subcarpathians, Romania I. Sandric, Esri Romania, University of Bucharest, Romania Building restoration – a GIS task? D. Zocher, RSA – Studio iSPACE, Austria Implementation of a web-based NASA World Wind tool for the visualization of climate data in the area of Villach, Austria S. Arcidiacono, Carinthia University of Applied Sciences, Austria An adaptive sampling approach for trajectories based on the concept of error ellipses, P. Ranacher, Dep. of Geoinformatics – Z_GIS, University of Salzburg, Austria Extracting river features from remotely sensed data: an evaluation of thematic correctness, J. Hecher, FH-Kärnten, Austria	D15. ESRI: Workshop ArcGIS Online Using ArcGIS Online in education D. Thaller, SynerGIS Informations-systeme
11:00	Coffee / Tea break	
11:30	C16. TEC: GI Technology and Application II Modelling the spatial and temporal resolution of a sensor observation A. Degbelo, University of Muenster, Germany User experiences with voice-based descriptive map content in a hiking context M. Laakso, Finnish Geodetic Institute, Finland The influence of distance and neighbourhood surroundings on children's travel mode to school S. Schabus, Carinthia University of Applied Sciences, Austria Evacuation routing out of tsunami hazard zones M. Schuster, Carinthia University of Applied Sciences, Austria Tracking quality of low-cost GNSS-receivers J. Liebermann, AustriaTech, Austria	D16. EDU: Science education and learning with GI Mathematics and geography with digital-earth D. Vieira Silva, Agrupamento nº1 Beja-Portugal, Portugal i-Use: I use statistics in education L. Zwartjes, Ghent University, Belgium Tools and learning management functions for a competence-oriented integration of remote sensing in classrooms R. Goetzke, University of Bonn, Germany
13:00	Lunch break	
14:00		D17. ESRI: Workshop EDU Workshop City Engine Esri CityEngine: From 2D-GIS to smart 3D City Models M. Dermutz, SynerGIS Informations-systeme



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