



open:spatial:interfaces

GI_FORUM – Symposium and Exhibit Geographic Information Science



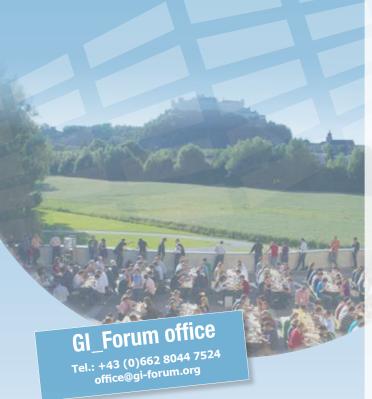
> www.gi-forum.org



Green Meetings

GI Forum 2016

Social Programme



TUESDAY, JULY 5 17:00 **GI** Forum Opening **UIA Award Ceremony Big Data for Healthy Places:** How Mobility Data and Open Data Facilitate an Ecological and Evidence-based Approach to Healthier Built Environments Harvey Miller, Ohio State University, USA 18:30 International Icebreaker West Ter

WEDNESDAY, JULY 6

12:00 EXPO Foyer	AGIT EXPO Opening Business Lunch with the exhibitors
18:30 EXPO Foyer	EXPO Night Postersession & get.together with the exhibitors
21:00	UEFA Semi-Finals
HURSDAY, JUI	Y 7
18:30 Piano Terrace	Evening Buffet followed by: Award ceremony Poster Competition & Best Student Paper Award
21:00	UEFA Semi-Finals
RIDAY, JULY 8	
07:15	AGIT & GI_Forum Morning Run
15:30 Foyer	Closing Event toasting to a successful GI_Forum 2017!

open:spatial:interfaces

GI_Forum 2016 provides a platform for We have lined up an interesting pool dialogue among geospatial minds in an ongoing effort to support the creation of an informed GeoInformation Society. Bearing in mind different perspectives from a variety of professions, presentations as well as workshops and exhibitions will concentrate on innovations in science, technologies, education.

This year's motto of the conference is open:spatial:interfaces. It sets the stage for keynote addresses, presentations, workshops, special sessions and exhibitions. that focus on contributions of geoinformation to a more just, ethical and sustainable society.

Together with its counterpart, the German language conference on Applied Geoinformatics – AGIT, GI_Forum and various SIG events (i.E. FOSSGIS, HGD-Symposium) have become an international annual event within the worldwide GIS community. The symposia and the innovative AGIT EXPO exhibit share more than 1000 participants, and offer stimulating social events.

of keynote speakers; the conference opens on Tuesday with a talk by Harvey Miller on "How Mobility Data and Open Data Facilitate an Ecological and Evidence-based Approach to Healthier Built Environments". It is followed by the international icebreaker, which officially opens the English speaking conference. On Thursday, Katharyne Mitchell will present her thoughts on "Counter-Mapping and Insurgent Politics in Middle School", followed by a presentation by Melanie Gall on "Integrated disaster risk research: challenges and benefits".

The conference program consists of two thematic tracks and several special sessions. The GIScience track covers a variety of GIScience and Technology topics ranging from innovation in geospatial technologies, urban geoinformatics, to advances in spatial analysis, modelling and conceptualization of GI. Learning with Geomedia track focuses on citizenship and education, empirical research in education, and learning environments in primary and secondary education.

GI_Forum has always emphasized its efforts to connect young and experienced researchers, so we again have sessions in which students present their bachelor and master thesis topics and study project work. At the Young Researchers' Corner young scientists meet the keynote speakers in an informal atmosphere and discuss their research and receive impulses for their academic careers. Young researchers among you, watch out for these sessions offered on Thursday during which our keynote speakers will be available to you exclusively!

This year's program is a result of the active participation of, and contribution from GIScientists, industry representatives and educators, and we, the GI_Forum Team, thank you all for that! We are sure that GI_Forum 2016 together with AGIT and AGIT Expo will advance the dialogue, connect people, ideas and institutions and be a highlight of the GIS community event calendar.

> Adrijana Car, Thomas Jekel and Julia Stenan

Tuesday, July 5

	13:00		14:30
HS C3006 3 rd floor	L1. EDU Workshop	BoK 2.0 I BoK 2.0 for Curriculum Design I Gudrun Wallentin, University of Salzburg – Z_GIS, Austria	Coffee/ Tea break sponsored, by GRINTEC
_	45-00		40-20
	15:00		16:30
B Blauer Hörsaal Ground fl.	B2. GIS	Panel Discussion GI-Science and Data Science: Can they profit from each other? Peter Mandl, Alps-Adria University, Austria	Coffee/ Tea break sponsored_
L HS C3006 3 rd floor	L2. EDU Workshop	BoK 2.0 II BoK 2.0 for Curriculum Design II Gudrun Wallentin, University of Salzburg – Z_GIS, Austria	
	17:00		18:30
Audi Max Ground fl.	A3. KEY Keynote	GI_Forum Opening Big Data for Healthy Places: How Mobility Data and Open Data Facilitate an Ecological and Evidence-based Approach to Healthier Built Environments Harvey Miller, The Ohio State University, USA	Gl_Forum Icebreaker

Young Researchers Corner – Programme

J10. YRC	Katharyne MitchellThuProfessor,Department of Geography, University of
J11. YRC	Harvey Miller Thu Bob and Mary Reusche Chair in Geogra Director of the Center for Urban and Re Department of Geography, The Ohio St
J12. YRC	Anita Graser Thur Researcher, Austrian Institute of Technology, Austria

G Forum 2016

Conference Office **Opening Hours**

Tuesday:	10:00 - 18
Wednesday:	08:30 - 18
Thursday:	08:30 - 18
Friday:	08:30 - 14:

f Washington, USA

phic Information Science; gional Analysis; Professor in the ate University, USA

Wednesday, July 6

GIForum 2016

Wednesday, July 6

	09:00	09:30	10:00	10:30	11:00	11:30	12:00		
		ienc Methods eter Mandl, Alps-Adria Unive	ersity, Austria	-	al Analysis ennifer Fu, Florida Interna	ational University, USA			I
B Blauer Hörsaal Ground fl.	Toward A More Reliable VGI Quality Assessment Method Based On Trustworthiness Amirmasoud Forati, University of Tehran, Iran	Using geostatistical methods to au- tomatically verify citizen science data on alien species Karin Wannemacher, University of Applied Sciences Wiener Neu- stadt, Austria	Context-aware thinning of artificial networks for map generalisation Vincent van Altena, Vrije Universiteit Amsterdam, The Netherlands	Quantitative popula- tion loss assess- ment: Seismic scenarios for Bu- charest using 2002 census data Dragos Toma-Danila, National Institute for Earth Physics, Romania	Earthquake Loss Evaluation (ELE) for the City of Khujand, Sughd Province (Tajik- istan) Jafar Niyazov, Academy Science of Tajikistan, Tajikistan	Visualization and spatial analysis of open data for evacuation plan- ning Jan Russnak, Masaryk University, Czech Republic	AGIT EXPO Lunch	B Blauer Hörsaal Ground fl.	
							EXPO Opening / Lunch break	H HS 413	
HS C3006 3rd floor		2.0 III) for Curriculum Design Wallentin, University of Salz						1 st floor	

	15:00			15:30		16:00		16:3
	B7. UGI	Urban Geoi	informat	tics				
	Urban Emoti	Chair: Bernd Res		ty of Salzburg – Z_GIS, Positional Accuracy		Voluntee	olunteered Geo-Dynamic Information	
B Blauer Hörsaal round fl.	human sense Peter Zeile,	cycle traffic planni or data Kaiserslautern, Germ	-	and Instagram Ima Environments Sreten Cvetojevic, University of Florida, U	-	a FRESH Christoph	h Exposure Assessment – IER Case Study Aubrecht, nstitute of Technology, Austria) / Tea brea
								k spo
	H7. EDU	-	-	& Diversity agogische Hochschule I	Freiburg, Germany			nsore
H HS 413 I st floor	from an Inte Jana Pokraka,	enship for all!? Imp rsectionality Appr Duisburg-Essen, Gerr	roach	A practical approad diversity-informed for teachers in train Nicole Ferber, University of Salzburg	geomedia education ning	Lernwirk der Fern Raimund PH Heidel	pezifische Unterschiede der samkeit digitaler Lernwege in erkundung Ditter, berg, Deutschland tion in English)	Coffee / Tea break sponsored by GRINTEC
	17:00		17:20		17:40		18:00	18:3
	17:00 B8. TRA	GIS for Tra Chair: Martin Loid	nsport S	Systems y of Salzburg - Z_GIS, y			18:00	
lörsaal	B8. TRA Keynote Geographic I Systems for the 21st Cent Harvey Miller,	Chair: Martin Loid Information Transportation in	nsport S idl, University Spatial De Small-Sca Model for Services Johannes S	<i>y of Salzburg – Z_GIS, ,</i> ecision Support: ale Site Selection Carsharing		eration Vata	18:00 Integrating Open Spaces Into OpenStreetMap Routing Graphs for Reali- stic Crossing Behavior in Pedestrian Navigation Anita Graser, Austrian Institute of Technology, Austria	
B Blauer törsaal round fl.	B8. TRA Keynote Geographic I Systems for the 21st Cent Harvey Miller,	Chair: Martin Loid Information Transportation in ury University, USA Citizen, Sci	nsport S dl, University Spatial De Small-Sca Model for Services Johannes S University o	v of Salzburg – Z_GIS, v ecision Support: ale Site Selection • Carsharing Schwer,	Austria Automatic lane leve network graph gene from Floating Car D Mario Dolancic, University of Salzburg,	eration Vata	Integrating Open Spaces Into OpenStreetMap Routing Graphs for Reali- stic Crossing Behavior in Pedestrian Navigation Anita Graser, Austrian Institute of Technology,	AGIT EXPO-Night & Post
Blauer törsaal round fl. HS 413	B8. TRA Geographic I Systems for i the 21st Cent Harvey Miller, The Ohio State H8. EDU HCI-Evaluatin reporting Ap in spatial plan	Chair: Martin Loid Information Transportation in ury University, USA Citizen, Sci Chair: Karl Doner On of the GeoCitiz p for citizen partic nning	nsport S dl, University Spatial De Small-Sca Model for Services Johannes S University d ience & rt, European	 of Salzburg – Z_GIS, / ecision Support: ale Site Selection Carsharing Schwer, of Augsburg, Germany Participation Association of Geograp Crowdsourcing of Id historical knowledg Daniel Vrbik,	Austria Automatic lane leve network graph gene from Floating Car D Mario Dolancic, University of Salzburg, ohers, Belgium ocal spatial and ge	Austria Measurir using a v study	Integrating Open Spaces Into OpenStreetMap Routing Graphs for Reali- stic Crossing Behavior in Pedestrian Navigation Anita Graser, Austrian Institute of Technology, Austria	
Blauer Iörsaal round fl.	B8. TRA Geographic I Systems for i the 21st Cent Harvey Miller, The Ohio State H8. EDU HCI-Evaluation reporting Appin spatial plan Karl Atzmansto	Chair: Martin Loid Information Transportation in ury University, USA Citizen, Sci Chair: Karl Doner On of the GeoCitiz p for citizen partic nning	Insport S idl, University Spatial De Small-Sca Model for Services Johannes S University of ience & rt, European zen- cipation	 v of Salzburg – Z_GIS, v ecision Support: ale Site Selection Carsharing Schwer, of Augsburg, Germany Participation Association of Geograp Crowdsourcing of Id historical knowledge 	Austria Automatic lane leve network graph gene from Floating Car D Mario Dolancic, University of Salzburg, ohers, Belgium ocal spatial and ge	Austria Austria Measurir using av study Andrea Pö	Integrating Open Spaces Into OpenStreetMap Routing Graphs for Reali- stic Crossing Behavior in Pedestrian Navigation Anita Graser, Austrian Institute of Technology, Austria	18:3 AGII' EXPO-Night & Poster session EPS

	13:00		13:30	14:00	14:30	
	B6. EDU	Curriculum De Chair: Gudrun Wallent	sign 2.0 in, University of Salzburg – Z_GIS, Austria	1		
B Blauer Hörsaal Ground fl.	Level and Adv	New Skills being htegrated?	Minor Programs in the Geospatial Domain – Referencing the Body of Knowledge Adrijana Car, German University of Technology in Oman, Sultanate of Oman	Some thoughts on the possible benefits of using VirlaBok for GI teaching design and GI course finding Frans I. Rip, Wageningen University, The Netherlands	Coffee//Tealbreak	
	H6. EDU Prosuming Geoinformation Chair: Jana Pokraka, University of Duisburg-Essen, Germany					
HS 413 1st floor	Map – How Ma	e End of the World argins of World he Spatial Mind ico	On the question how Web 2.0 features support critical map reading Tom Hoyer, Leibniz Institute for Regional Geography, Germany	"Heaven. #shopping #Frankfurt #weekend #joy" – Hashtags, constructions of space and geographical education Christina Reithmeier, Goethe-Universität Frankfurt am Main, Germany		

Ground fl.	University of Kaiserslautern, C	Germany	University of Florida, U	JSA	Austrian Ir	nstitute of Technology, Austria	break(sp
	H7. EDU Spatial Citizenship & Diversity Chair: Verena Schreiber, Pädagogische Hochschule Freiburg, Germany						
HS 413 1st floor	Spatial Citizenship for all!? from an Intersectionality A Jana Pokraka, University of Duisburg-Essen,	Approach	A practical approac diversity-informed for teachers in train Nicole Ferber, University of Salzburg	geomedia education ning	Lernwirk der Ferne Raimund L PH Heidelb	pezifische Unterschiede der samkeit digitaler Lernwege in erkundung Ditter, perg, Deutschland sion in English)	break sponsored by GRINTEC
	17:00	17:20	l.	17:40		18:00	18:30
-	B8. TRA GIS for 1	Fransport				18:00	
B Blauer Hörsaal Ground fl.	B8. TRA GIS for 1	Fransport S b Loidl, Universit Spatial D Small-Sc Small-Sc Small-Sc Services Johannes	Systems ty of Salzburg – Z_GIS, A Decision Support: cale Site Selection or Carsharing		eration ata	18:00 Integrating Open Spaces Into OpenStreetMap Routing Graphs for Reali- stic Crossing Behavior in Pedestrian Navigation Anita Graser, Austrian Institute of Technology, Austria	
Blauer Hörsaal	B8. TRA GIS for T Chair: Martin Keynote Geographic Information Systems for Transportatio the 21st Century Harvey Miller, The Ohio State University, USA	Transport	Systems ty of Salzburg – Z_GIS, / Decision Support: cale Site Selection or Carsharing Schwer,	Austria Automatic lane leve network graph gene from Floating Car D Mario Dolancic, University of Salzburg,	eration ata	Integrating Open Spaces Into OpenStreetMap Routing Graphs for Reali- stic Crossing Behavior in Pedestrian Navigation Anita Graser, Austrian Institute of Technology,	
Blauer Hörsaal	B8. TRA GIS for T Chair: Martin Keynote Geographic Information Systems for Transportatio the 21st Century Harvey Miller, The Ohio State University, USA	Transport	Systems ty of Salzburg – Z_GIS, / Decision Support: cale Site Selection or Carsharing Schwer, / of Augsburg, Germany	Austria Automatic lane leve network graph gene from Floating Car D Mario Dolancic, University of Salzburg, Ohers, Belgium ocal spatial and le	eration ata Austria Measurin using a w study Andrea Pö	Integrating Open Spaces Into OpenStreetMap Routing Graphs for Reali- stic Crossing Behavior in Pedestrian Navigation Anita Graser, Austrian Institute of Technology, Austria	18:30 AGIT EXPO-Night & Poster session EPSON

GI Forum 2016

Thursday, July 7

GLForum 2016

09:00 10:30 B9. KEY EDU Keynote Keynote Chair: Thomas Jekel, University of Salzburg, Austria Counter-Mapping and Insurgent Politics in Middle School Katharyne Mitchell, University of Washington, USA

11:30 11:50 12:10 12:30 13:00 B10. GIS GIScience: Modelling Chair: Wayne Forsythe, Ryerson University, Canada A model-sensor framework to A Cookie-Cutter Approach An Agent-Based Model for Evaluating Brownian Bridge В predict homing pigeon flights for Determining Stays from Exploring Wolf Recolonizati-Movement Model to Deter-Blaue in real time Movement Data on in Austria mine Regularities of People's Gudrun Wallentin Simon Gröchenig, Stephen Crook, Movement University of Salzburg – Z_GIS, Austria Salzburg Research San Diego State University / Verena Venek, University of California – Santa Forschungsgesellschaft m.b.H., Salzburg Research Lunch Austria Barbara, USA Forschungsgesellschaft mbH, Austria break **D10. EDU** Innovations in Education Chair: Inga Gryl, University of Duisburg-Essen, Germany Innovativeness as Fresh An Adaptive Web-based Negotiating geographical GI-Learner: a project to **Reviewer/meeting** Ground: From an Old Buzz-Learning Module for the develop geospatial thinking thinking and political educa-D tion through the GeoCapabiword to New Praxis Problem-based Application learning lines in secondary GI Studi Ground f lities approach Claudia Scharf. of Remote Sensing in School schools University of Duisburg-Essen, Anke Uhlenwinkel, Potsdam Vera Fuchsgruber, Heidelberg University of Karl Donert, Germany European Association of Germany Education, Germany . Geographers, Belgium G10. VGI VGI & Urban Planning G VGI as a starting point in urban planning - case studies with a map-based survey tool from Finland Workshop HS 414 Tanja Seppänen, Dimenteq Oy, Finland J10. YRC Young researchers corner J HS 421 2nd floor Katharyne Mitche Professor, Department of Geography, University of Washington, USA

Thursday, July 7

	14:00		14:30
	B11. TEC	GI Technology & I Chair: Damir Medak, Faculty	
B Blauer Hörsaal Ground fl.	triple stereo Kerstin Kulessa University of Sa	5 /	UAV Workflow Optimi Acquisition of Photogr Clouds in Forestry Stuart Krause, Eberswalde University of Development, Germany
HS 413 1 st floor	H11. EDU Workshop	GI Learner I GI Learner I: a GI-Learnin Luc Zwartjes, Ghent Universi	J ,
J HS 421 2 nd floor	J11. YRC	Young researchers Harvey Miller, Bob and Mary Reusche Chair Professor in the Department	in Geographic Information

	16:30	16:50	17:10	17:30	18:00	18:30	
		chnology & Innova n-Peter Mund, Eberswalde U		evelopment, Germany		Θ	
B Blauer Hörsaal Ground fl.	Online-Visualization of Streaming Data Caroline Atzl, RSA iSpace, Austria	Indoor Positioning: Chances and imple- mentation strategies of Bluetooth Low Energy Christian Feil, RSA iSpace, Austria	Participatory mo- deling of collective mobility decisions using HubNet Anna Nägele , Ludwig-Maximilians- Universität München, Germany	Switch the Button: Online/Offline Mobile Applications in an Agricultural Usage Context Karl Atzmanstorfer, DK GIScience, Salzburg University, Austria	GeocentraleApps – Discussing Practi- cal Approaches to Data Integration for Modern Spatially Enabled Apps Christoph Schaller, Bern University of Applied Sciences, Switzerland	Buffet Din n the piano terrace/ Best Student Pa sponsored by	
HS 413 1 st floor		GI Learner II GI Learner II: Prototype teaching material for a GI-Learning line in secondary education Michaela Lindner-Fally, BORG Oberndorf, Austria					
J HS 421 2 nd floor	J12. YRC Young Anita Gra Research						

G_Forum 2016

	15:00	15:30
f Zagreb, Croatia		
lization for the grammetric Point f Sustainable	Airborne Geiger Mode LiDAR for Large Scale, High Resolution Wide Area Mapping Thomas Bahr, Harris Corporation, Germany	Coffee / Tea br sponsored by ☉
ation: background and scientific research		break GRINTEC
n Science; tate University, USA		

Friday, July 8

GI Forum 2016

	09:00	09:30	10:00	10:30		
	-	ment of Risk and Vulnerability	/	Cof		
B Blauer Hörsaal Ground fl.	Keynote Integrated disaster risk research: challenges and benefits Melanie Gall, University of South Carolina, USA	Risk-informing development: Making use of geo- spatial data in UN development planning in Bosnia- Herzegovina Jeremy Wetterwald, UNICEF, Bosnia and Herzegovina	Community-level social vulnerability assessment: applying the SoVI model to Romanian settlements Ibolya Torok, Babes-Bolyai University, Romania	Coffee//Teabreak		
	11:00	11:30	12:00	12:30		
Blauer	-	ment of Risk and Vulnerability partment of Geoinformatics – Z_GIS, Austria Assessing vulnerability along a dy- namic coastline: Example of the Sidi	Co-designing possible flooding solu- tions: Novel participatory mapping	Lunch break		
Hörsaal Ground fl.	Philippines Sabrina Wannewitz, United Nations University, Germany	Frej touristic area in the Kerkennah archipelago (Tunisia) Lucile Etienne, Université Paris, France	methods to identify flood management options from a UK borders case study Steve Cinderby, Stockholm Environment Institute, United Kingdom	break		
	13:30	14:00	14:30	15:00		
	B15. VUL Integrated Assessment of Risk and Vulnerability Chair: Michael Hagenlocher, United Nations University, Japan					
B Blauer Hörsaal Ground fl.	Integrated assessment for vulnerability to climate change in Germany – a process of co-production of knowledge	Climate change vulnerability assessment in Mauritania: supporting adaptation planning for agriculture and pastoralism	Community involvement in the civil protection through a smartphone app Hagen Tischer, FU Berlin, Germany	arewell wit glass of win		

Programme Topics

Stefan Schneiderbauer,

EURAC.Research, Italy

DAT	Data Acquistion
EDU	Learning with GI
GIS	Geographic Information Science
KEY	Keynote
TEC	Technology
TRA	Transportation Modelling
UGI	Urban Geoinformatics
VGI	Volunteered GI
YRC	Young researchers corner

Get connected

Stefan Kienberger,

University of Salzburg – Z_GIS, Austria

f facebook.com/GIForum

#GIForum2016

Speaker Resource Center Prepare your talk in a designated room for speakers.

0 B

Where? HS 415 on the 1st floor

GI_Forum Journal for Geographic Information Science

ÖAW 🎰

GI_Forum Journal Journal for Geographic Information Science Open Access http:epub.oeaw.ac.at/gi_forum Editor: University of Salzburg Editors-in-Chief: A. Car I T. Jekel I J. Strobl I G. Griesebner Publisher: Austrian Academy of Sciences Press Journal ISSN: 2308-1708

Special Sessions

EDU L1, L2, L4, B6, H6 & H7
 Workshop Tuesday | July 5 | 13:00 - 16:30 | HS C3006
 Workshop Wednesday | July 6 | 9:00 - 10:30 | HS C3006
 Wednesday | July 6, 2016 | afternoon (paper session)

GI-Curriculum Design 2.0

GI education is challenged by the pace of change in GIScience and Technologies. Curricula need to be revised regularly to equip future professionals with the conceptual and methodological competences to cope with dynamically changing technologies and IT environments. A twofold strategy is taken towards this direction: first, a revision of the current Body of Knowledge for GIScience and Technologies (GIS&T BoK). Second, the development of new ontologybased strategies and tools for curriculum development. The special session "GI-Curriculum Design 2.0" will offer hands-on experience to explore and test new interactive curriculum design tools. Second, a paper session will focus on Curriculum Design 2.0 from various perspectives, including its content base, didactical aspects and technology-supported design strategies.

Scope of the workshop "BoK 2.0 for Curriculum Design"

In this 'plugfest' workshop we will explore and test the 'VirLaBok'. The VirLaBok is a virtual laboratory to explore a revised version of the GIST&T BoK that was developed in the context of EU project 'Geographic Information – Need to Know' in a networked effort of 35 European partners. The VirLaBok aims to support curriculum design, as it allows definition of learning paths by browsing the BoK, selecting concepts, topics and units from different knowledge areas, visualizing the selected elements and linking those to e.g. existing courses or course modules stored in the VirLaBoK. For the testing we will use worked examples and also invite you to test your own educational offerings.

Scope of the Curriculum Design 2.0 paper session

The paper session invites contributions on strategies, tools and contents for the design of 'modern' GI curricula. This includes conceptual work as well as best practice examples in the implementation of GI-related training and education.



GIForum 2016

■ TRA B8 Wednesday | July 6 | 17:00 - 18:30 | Blauer HS

Spatial Perspectives on Transport Systems

Transport systems are spatial by their very nature. They rely on physical infrastructure, they connect locations and they facilitate the mobility of goods and people. However, the spatial dimension is not always considered explicitly in research and application. We think that concepts and tools rooting in geography and GIS have a lot to offer to better understand transport systems at various spatial and temporal scale levels and to foster holistic approaches!

■ VUL B13, B14 & B15 Friday | July 8 | 09:00 - 15:00 | Blauer HS

Integrated Assessment of Risk and Vulnerability

Social and environmental systems are confronted with more frequent hazards (incl. natural hazards, diseases, etc.) and their impacts. This has been leading to an increase in the number of people affected, casualties and socio-economic and environmental losses. We believe that integrated assessment methods are required to represent, analyze and communicate risks in a way that is understandable and actionable to decision makers and communities at risk. This includes information on the stressor and the vulnerability of the system that is affected.

For this special session at the GI_Forum 2016 we called for contributions dealing with spatial analysis, integrated assessment and novel visualization/communication approaches to address such challenges. We thus invited researchers and practitioners to submit contributions tackling the following thematic and methodological topics:

Thematically: Contributions comprise topics such as integrated risk and vulnerability assessments in the field of disaster risk reduction, climate change adaptation or public health and beyond.

Methodologically: We sought for submissions which apply spatial statistics, index-based approaches/multi-criteria analysis, remote sensing and novel visualization/decision support tools for the assessment, analysis and communication of risk and vulnerability at different spatial and temporal scales.