



GI2013 – GI/GIS/GDI – Forum

GeoINSPIRE'd Cross-border-Interoperability

Grenzüberschreitendes Sächsisches GI/GIS/GDI-Forum am 29./30. April 2013 in Dresden



Sustainability & Security Applications for GEO-Risk-Prevention & ENVIRO-Disaster-Protection

GI2013 – FORUM

(GeoINSPIRE'd X-border-Interoperability-FORUM)

OPEN CALL FOR PRESENTATIONS



EUROPEAN BORDER REGIONS - MAP © COURTESY BY AEBR, 2011 (Compiled 2007 at IfL)

29. / 30. APRIL 2013

DRESDEN

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Sustainability & Security Applications for GEO-Risk-Prevention & ENVIRO-Disaster-Protection

"GeoINSPIRE'd X-border-Interoperability for Digital Europe 2020"

SUSTAINABILITY OF INTER-REGIONAL COLLABORATION



GI2013 – INTER-REGIONAL PROGRAMME – COMMITTEE

- **Chairs:** Doz. Dr. F. HOFFMANN (DE) & Dr. K. CHARVAT (CZ)
- **International Members:**
- Dir. D. BUONO (IT), Dir. K. ILIEV (BG), Dr. K. JANECKA (CZ), Prof. M. KONECNY (CZ),
- Doz. Dr. P. KUBICEK (CZ), Dir. W. MAYER (AT), Dir. J. PAPEZ (CZ), Dipl.Ing. P. VOHNOUT (CZ)
- **IGN-Members:** Dr. G. HOFFMANN (DE), Prof. S. KLOSS (DE), Dr. K.-D. MICHAEL (DE)

ORGANIZER'S INFORMATION & INTERNET REFERENCE URL's

- **GI2013-Contact-Address** [[Mailto:GI2013@IGN-SN.de](mailto:GI2013@IGN-SN.de)]
- **CCSS-Praha** [<http://www.CCSS.cz>]
- **IGN-Dresden** [<http://GDI-SN.blogspot.com>]
- **SOCIAL NETWORKS** [[INSPIRE-FORUM](#)] + [[FACEBOOK](#)] + [[LINKEDIN](#)] + [[TWITTER](#)]

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GI2013 – Call For Presentations – OPEN FORUM

With EU directives PSI (2003/98/EC), INSPIRE (2007/02/EC) and FLOOD (2007/60/EC) legal requirements were provided on new developments and opportunities for the funding period to 2013 and beyond 2014 in the Europe of the Regions. However, there is a need for better knowledge about the new EU policies and strategies "Digital Europe & HORIZON 2020" and "Education for Sustainable Development "(ESD) Therefore, these needs require more information and knowledge and creative, innovative actions for education and training at all levels.

The European Commission has positioned itself as an innovative player in the field of multi-purpose use of open geodata (OGD) and public sector information (PSI). The goal is to develop an open, dynamic GEO industry that Acquisition Data refined into valuable information and knowledge for ICT experts and user communities. For example, to develop sustainability, security and safety applications for GeoRiskManagement, especially in the field of Environmental and Civil protection. Examples of such innovative developments including mobile tools already known from different regions of the EU, like hazard analysis by flood forecast maps (Saxony / Czech Republic / Poland), Georisk evaluations for Earthquake hazard mapping (Italy), Disaster and Civil defense (Bulgaria), Environmental Applications for mobile, real-time logistics, traffic and weather information, as well as numerous Security applications, especially in the field of Fire and Rescue services (DLR-ZKI and DENIS.Bund.de).

The regular exchange of experience between neighboring municipalities, counties and regions and, especially, as well innovative cross-border applications for operational and tactical decision making is necessary for GEORISK prevention, ENVIRO hazards, CIVIL protection and DISASTER relief to meet the challenges of globalization now not only at a global scale, but assuming also a paradigm shift to the regional and/or local level, and increasingly for cross-border security and sustainability in the extended EUROPE REGION. Therefore, sustainable decision making requires greater safety awareness and knowledge exchange for economic, ecological and social implications in regions and for preventive civil protection of population and security-related critical ICT-Infrastructures. Finally, there is still yet a need for comprehensive information, education and training actions, particularly at local, regional, cross-border and inter-regional levels.

However, the most problematic field is the Cross-border adaptation and Semantic interoperability of Data, Services and Applications for the effective protection of population, infrastructure and environment

To overcome these problems by means of the so-called INSPIRE program of the EU it may not to be expected before 2020, however, various EUROPEAN BORDER REGIONS are working already on solutions using extensively GEO & ENVIRO - INFORMATION (as example: DE / LU / FR are planning 2013 a GI-based scenario for cross-border disaster management assuming a possible cross-border infrastructure disaster in a Nuclear Power Plant).

Therefore, the GI2013 Forum is intended for inter-regional exchange of experience and information mainly at local, regional and, especially, cross-border levels. The GI2013 program is consequently focused on the main topic:

"Sustainability & Security Applications for GEO-Risk Prevention & ENVIRO-Disaster Protection"

Proposals for presentation, poster and / or workshop (title + abstract, max. 250-300 words in German or English or Russian) must be submitted by 15.03.2013 using the DOC templates (available from Weblog) !

GERMAN LAW DOCUMENTS ON SUSTAINABILITY, GEOINFORMATION, RISK ANALYSIS

- German Bundestag printed paper 17/8721 # 17th Legislature
15th FEB. 2012 Forwarded by letter of the Chancellery of 15 February (Bundestag printed paper 14/6031) 2012.
Information from the Federal Government - "Progress Report 2012 for national sustainable development strategy"
- German Bundestag printed paper 17/11449 # 17th Legislature
08th NOV 2012 Forwarded by letter of the Ministry of the Interior of 7 November 2012 in accordance with decision of the German Bundestag of 15th February (Bundestag printed paper 14/5323) 2001. - 3rd Geo-Progress Report
Information from the Federal Government - "Third Report of the Federal Government on the progress on the development of various Fields of geoinformation in national, European and international context"
- German Bundestag printed paper 17/4178 (Information) + 17/12051 (Report) #17th Legislature
09th DEC 2010 Forwarded by letter of the Ministry of the Interior of 7 December 2010 in accordance with § 18 section 1 sentence 2 of the Law on Civil and Civil Protection of the Federation. Information from the Federal Government. - "Report on the method for risk analysis in the Civil Protection 2010"
- German Bundestag printed paper 17/11987 17th # Legislature
03th JAN 2013 Unterrichtung durch die Bundesregierung – BMI 21.12. 2012 "Bericht zur Risikoanalyse im Bevölkerungsschutz 2012"
- German Bundestag printed paper 17/11987 17th # Legislature
20th DEC 2012 Small request (Created at 2013-01-07) - "Review and renewal of the program Research for Civil Security"



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EXAMPLES OF CROSS-BORDER PROJECTS & GEOPORTALS

- PPRD EU FP7 programs: Preparedness and Response to Man-made and Natural Disasters in the ENPI East region [<http://euroeastcp.eu/assets/files/Inception%20Report%20final%20approved.pdf>]
- SIGNATURA21: (GIS for Disaster Risk Management) [<http://signatura21.wordpress.com/gis-for-disaster-risk-management>]
- FLOOD-WISE: Multilateral X-border FP7 project ((flood management) [<http://FLOODWISE.eu>]
- DISASTER: Proof of Concept (Border Moore Fire Scenario) [<http://prezi.com/mlhkpptk9xob/disaster-proof-of-concept>]
- ERRA: GEO-risk ATLAS [<http://ERRA.ccss.cz>] + [<http://www.HABITATS.cz>] + [<http://www.ENVIROGRIDS.net>]
- D2.0: Web2.0 Project in EU programs (HOME/2010/CIPS/AG/002: Prevention, Preparedness and Response Management of terrorism and other security-related risks) [<http://repository.disaster20.eu/section/Europe>]
- GIS GRANDE REGION: (Infrastructure Association of regions from 5 countries: DE, FR, LU)
- SIGRS / GISOR: (Cross-border regional network of CG68 and Basel and RPV ORK / see GI2010)
- CENTROPE: (EU PLAN4ALL project partner with an open data and services infrastructure / a primer for X-GEO-planning)
- DACH+ (Cross-border open source services infrastructure from 4 regions: AT, CH, LI, BY / see FOSSGIS2012)
- CxD: (internally within the authorities Saxon-Czech project management for planning /)
- DP PLIS: (German-Polish infrastructure planning, MIS Brandenburg authorities internal /)

GI2013 – Call ForPresentations - TOPICS

- Protection objectives, analysis, evaluation and mapping of hazards, vulnerabilities and response capacities
- Methodology of risk analysis and crisis management in civil protection at the local, regional, x-border level
- Databases and information systems for risk analysis, risk communication, risk awareness and training
- Risk & hazard maps and atlases in technology and transportation accidents and in earthquakes and wildfires
- Hazard analysis, hazard prediction and preparation for cross-border natural and environmental disasters
- Strategies to protect critical infrastructures GeoIT in the supply and disposal industry
- Open Data and Geographic Information Systems (GIS) for risk analysis and avoidance of hazards and risks
- Geoportals for risk and disaster management (earthquakes, landslides, avalanches, forest fire, storm, severe weather, etc.)
- Geoportals for disaster scenarios and training as well as use of "Social media networks" (GeoWeb2.0 & Crowdsourcing)
- Cross-border cooperation and flood risk management plans
- Neogeography & mapping in insurance sector and security and damage control

GI2013 – Call For Presentations - SCHEDULES

- 01.02.2013: OPEN Call For Presentations (CFP) on weblog site [<http://GDI-SN.blogspot.com>]
- 01.03.2013: GI2013 Framework Programme and Abstract-/Summary-Templates
- 15.03.2013: Deadline for submitting presentation/poster/workshop title + abstract (max. 250 words, see Template)
- 15.04.2013: Deadline for submitting presentation/poster/workshop summary (max. 1 or 3 pages, see Template)
- 23.04.2013: Deadline for submission presentation slides (PPT / duration+discussion: 10+5' short / 20+10' long)
- 28.04. 2013 GI2013-Invitation (18:00) for arrived Keynote speakers & VIP's
- 29.04. 2013 GI2013 Forum (11:00 - 17:00) # Evening "Get together" program starts 18:30
- 30.04. 2013 GI2013 Forum (09:00 - 13:00)

GI2013 – Contacts & Logistics:

- Contact by email [GI2013@IGN-SN.de | Vorstand@IGN-SN.de]
- GI2013 Participation is **FREE OF CHARGE** (!) except of service contribution & "get-together" expenses

Participants and target groups: Students, PhD Aspirants, Lectures, Professors, GI/GIS/GDI-Developer and Users of Geoportals for protection of critical infrastructures at local / regional governments, administrations, and enterprises (*ENVIRO protection, forestry, agriculture, emergency, security, police, rescue, insurance, utilities, civil & catastrophe protection, etc.*).

Contribution expenses: Only a small contribution fee is due for non-supported services (*Get-together* etc.) to be paid at registration desk, and different for WEU / CEE participants (e.g. rebate only for new member states participants):

- Students (10 / 5€) Aspirants (15 / 10€), Active speakers (30 / 20€), Passive participants (40 / 30€),
- The **REGISTRATION FORM** can be downloaded asap from [GDI-SN] webpage.

Further logistics information and updates will be published step-by-step at Weblog [<http://GDI-SN.blogspot.com>] !