



GI2010-Symposium - Dresden: { 13. | 14. / 15. } Mai 2010

EUROPE OF REGIONS

Cross-border Public Sector Information (PSI)

Cross-border Infrastructure of Spatial Information in Europe (INSPIRE)

X-PSI <> Interregionale Zusammenarbeit <> X-INSPIRE

Implementierung der EU-Direktiven PSI-2003/98/EC & INSPIRE-2007/2/EC

INNOVATION. Grenzüberschreitendes Netzwerk



GI2010-SYMPHONY-DRESDEN

10. Sächsisches GIS-Forum

SUSTAINABILITY OF INTER-REGIONAL COLLABORATION

GI2010

PUBLIC SECTOR INFORMATION (PSI)

X-BORDER INNOVATION NETWORKS

INFRASTRUCTURE OF SPATIAL INFORMATION IN EUROPE (INSPIRE)

ACCESS TO ENVIRONMENTAL INFORMATION SYSTEMS IN EUROPE



[<http://GDI-SN.blogspot.com>]

DRESDEN

IGN

13./14./15. Mai 2010

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ROB 2000

X-EUREGIO-Kartenschema © 2000 by BBR, Bonn (ROB2000)

200 km

GI2010 <> EUROPE OF REGIONS <> 10 JAHRE SÄCHSISCHES GIS-FORUM <> SUSTAINABILITY OF INTER-REGIONAL OPERATION

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GI2010-Symposium-DRESDEN

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INTERNATIONALES JAHR DER BIODIVERSITY 2010

INTERNATIONAL YEAR OF DIVERSITY 2010

10. Sächsisches GIS-Forum mit internationaler Beteiligung 10th SAXONIAN GIS-FORUM WITH INTERNATIONAL PARTICIPATION

NACHHALTIGKEIT DER GRENZÜBERSCHREITENDEN & INTER-REGIONALEN ZUSAMMENARBEIT

GRENZÜBERSCHREITENDE-GDI + INNOVATION + NETZWERKE

SUSTAINABILITY OF X-BORDER & INTER-REGIONAL COLLABORATION

X-BORDER-SDI + INNOVATION + NETWORKS

CONFERENCE CHAIR

Doz. Dr. **Frank HOFFMANN**, CSc (MIIGAiK)

Vorstandsvorsitzender IGN e.V.

CONFERENCE Co-CHAIRS

Dr. Jiri **HIESS** (CZ - President of CAGI / EUROGI ExCom Member)

Dr. Magdalena **BELOF** (PL - Deputy Director of WBU, Lower Silesia Region)

Dr. Robert **FENCIK** (SK - President of SAGI / TU Bratislava)

X-border-Programme-Committee

CHARVAT, Dr. Karel (CZ-CCSS / IGN)
CORBIN, Chris (UK-IDRA)
LONGHORN, MSc Roger (BE-IDRA)
MAYER, Dipl.Ing. Walter (AT-PROGIS)

X-border-Organizational-Committee

KLOSS, Prof. Dr. Siegmar (IGN)
HOFFMANN, Dr. Gudrun (FAA / BOWGIS / IGN)
MICHAEL, Dr. Klaus-Dieter (VSBI / IGN)
ROCH, Prof. Dr. Isolde (IOER / IGN)

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LOGISTICS

GI2010-GPS @GoogleEARTH: [+51°01'15.52"N ; +13°43'44.78"E]

Tagungsort: TUD-AgrarCampus-ZINT, Bergstr. 120, D-01069 DRESDEN

Anfahrt - Bus Nr. 66 + 360: Hauptbahnhof > Bergstrasse 120 >> Bus-Stop / Hst.: „Südhöhe“

Anfahrt - Autobahn A17: Exit DD-Südvorstadt > Direction City Center >> „Südhöhe“

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GRENZÜBERSCHREITENDE KOOPERATION UND INTER-REGIONALE ZUSAMMENARBEIT

Cross-border Cooperation and inter-regional Collaboration



České centrum pro vědu a společnost
Czech Center for Science and Society



SUSTAINABILITY ACTION OF EU-FP6-PROJECT-ROADMAP "NATURNET+REDIME" (NNR)

GI2010-Symposium-DRESDEN

EDITOR & CHAIRED BY

Doz. Dr. Frank HOFFMANN, CSc

IGN e.V. - Vorstandsvorsitzender

[<http://GDI-SN.blogspot.com>]

IMPRESSIONUM

IGN - INNOVATION. GRENZÜBERSCHREITENDES NETZWERK (INNOVATION. X-BORDER NETWORK)

Gemeinnütziger e.V. (Non-profit Association)

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SPONSORSHIP:

GEFÖRDERT DURCH DEN FREISTAAT SACHSEN - EU-PROGRAMM „INTER-REGIONALE ZUSAMMENARBEIT“

SUPPORTED BY FREE STATE OF SAXONY - EU-PROGRAMME “INTER-REGIONAL COLLABORATION”

- THE PRIME MINISTER OFFICE - DEPARTMENT OF EUROPEAN POLICY - DRESDEN

- THE REGIONAL DIRECTORATE - LANDES-DIREKTION - DRESDEN

>>> SEE ALSO ACKNOWLEDGEMENTS AT LAST PAGES ! <<<

Welcome to the U.S. Army Corps of Engineers
Engineer Research and Development Center
International Research Office

13 May 2010 Dresden, Germany 10th Annual International Saxonian GIS Forum (GI 2010)-
Sustainability of Inter-Regional Collaboration

GI2010-Symposium-DRESDEN -(Announcement by US-ACE-ERDC-COE-London)- GEOSPATIAL-CALENDAR

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INTERNATIONALES GI2010-SYMPOSIUM IN DRESDEN, 13. / 14. / 15. MAI 2010 (JUBILÄUMSTAGUNG „10 JAHRE SÄCHSISCHES GIS-FORUM“)

PRESSEINFORMATION

Dresden (14. April 2010 - IGN): Die sächsische Landeshauptstadt ist internationaler Treffpunkt für das grenzüberschreitende, inter-regionale Symposium „10. Sächsisches GIS-Forum“ - GI2010. An dieser Jubiläumstagung nehmen Experten aus neun europäischen EU-Mitgliedsstaaten, darunter aus fünf deutschen Bundesländern teil.

Im Mittelpunkt des zweitägigen Symposiums steht die Umsetzung mehrerer Direktiven der Europäischen Kommission auf regionaler und lokaler Ebene: **INSPIRE** (Infrastruktur für georäumliche Informationen in Europa), **PSI** (Wiederverwendung von Informationen des öffentlichen Dienstes) sowie **ACCESS** (Öffentlicher Zugang zu Umweltinformationen). Die Jubiläumstagung wird organisiert vom gemeinnützigen Verein „**INNOVATION.Grenzüberschreitendes Netzwerk e.V.**“ (IGN) in enger Kooperation mit CAGI, CCSS, WBU und SAGI - tschechischen, polnischen und slowakischen Vereinen und Forschungseinrichtungen. Darüber hinaus stellen innovative GIS-Technologiefirmen lokale & regionale GDI-Strategien für Kommunen und Landkreise vor.

Weitere Schwerpunkte dieser Jubiläumstagung sind: Innovationen bei der Umsetzung der Direktiven durch so genannte Geo-, Umwelt- und Raum-Informationssysteme und Geodienste-Infrastrukturen (GDI) in Kommunen und Landkreisen, unterstützt durch Vorträge zu EU-FP6/FP7 Forschungsprojekten und praktischen Applikationen in verschiedenen Regionen Europas. Darüber hinaus soll insbesondere die Frage der **Nachhaltigkeit grenzüberschreitender Zusammenarbeit** mit der **polnischen Region Niederschlesien** sowie **tschechischen Regionen in Nordböhmen** (Liberec, Usti n.L. und Karlovy Vary) auf regionaler und lokaler Ebene (z.B. die EU-FP7-Projekte PLAN4ALL bzw. SDI-EDU for regional and urban PLANNING) im Mittelpunkt der Diskussionen stehen. Akteure der **OpenSource und OpenStreetMap-Gemeinschaft** berichten zum Einsatz von Werkzeugen zur Erfassung von Metadaten, Adressdaten bzw. freien Geobasisdaten.

Mehrere Workshops behandeln die Anforderungen und Umsetzung speziell der INSPIRE-Direktive durch Landkreisbehörden und Kommunen, d.h. „Best Practice“ Lösungen z.B. aus den Bundesländern Bayern, Brandenburg und Rheinland-Pfalz, darunter **Geoportale** für den Einsatz beim Technischen Hilfswerk (THW), der Freiwilligen Feuerwehr, in Einsatzleitstellen von Rettungsdiensten und Polizei sowie für den **Aufbau lokaler bzw. regionaler GDI** (z.B. im Geoportal des Saarlandes bzw. im Hochwasser-Geoportal der Region Liberec sowie innovative GDI-Weiterentwicklungen für kommunale GIS-Anwender durch das CAIGOS-Partner-NETZWERK).

Ein spezieller Workshop befasst sich mit Fragen der nachhaltigen Landwirtschaft unter dem Leithema „**Der Agrarbetrieb der Zukunft**“ - eine *Vision integrierter Informationssysteme* für das GPS-gestützte Landmanagement („precision farming“), *logistische Unterstützung für Landwirte und Agrarbetriebe* bzw. zum *Risikomanagement* in der landwirtschaftlichen Produktionskette durch innovative **Geowebdienste** und Informations- & Kommunikations-Technologien (IKT) in Agrarbetrieben.

Das GI2010-Symposium beginnt am **14. Mai** auf dem Agrar-Campus der TU Dresden mit dem ganztägigen Vortragsprogramm und wird am **15. Mai** vormittags mit den Workshops fortgesetzt. Weitere Informationen und Anmeldung: siehe **Weblog** [<http://GDI-SN.blogspot.com>].

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Willkommen in Dresden Welcome in Dresden

X-BORDER & INTER-REGIONAL COLLABORATION

GI2010-SYMPOSIUM

„10. SÄCHSISCHES GIS-FORUM“

GEO-INFORMATION-2010

PROGRAMM GI2010

13./14./15. Mai 2010

13.05.2010 GI2010 Pre-Workshop with Keynoters & Authors by personal Invitation

14.05.2010 GI2010-Symposium-PRESENTATIONS

14.05.2010 GI2010-GetTogether-EVENT

15.05.2010 GI2010-Post-Workshops

IMPRIMATUR TO PRINT

11.05.2010 / 15:00

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GI2010 - VORTRAGSPROGRAMM - 14.05.2010

Finalprogramm ! <<< 10. Sächsisches GIS-Forum >>> Final Programme !

Änderungen vorbehalten ! <<< **Status: 10. Mai 2010** >>> Changes may apply !

08:30-	Vorbereitungen / Preparations Poster-Ausstellung <<< MobEx-Project-Posters >>> Poster-Exhibition Anmeldung / Registration	ZIN120 + ZIN025
09:30	BEGRÜSSUNG / WELCOME by TU Dresden-AST (Prof. HERLITZIUS) & Verein „Landtechnik“ e.V.	ZIN120
09:35	EINFÜHRUNG / INTRODUCTION by IGN-Vorstand: “Sustainability of Cross-border Collaboration...”	ZIN120
09:40	KEYNOTE by Dr.HOFFMANN (DE): “10. Sächsisches GIS-Forum”- From GI2000 via INSPIRE to GI2010	
10:00-	KEYNOTE by Chris CORBIN (UK): <i>EU-PSI-Directive Communication Published: One Year On – Has Europe Delivered ?</i>	ZIN120 (25 min)
10:25-	KEYNOTE by Dr. Karel CHARVAT (CZ): <i>The "WAY 4 INSPIRE" - SEIS versus SISE Approaches</i>	ZIN120 (25 min)
10:50-	KEYNOTE by Dr. Magdalena BELOF (PL): <i>Reflections on X-border spatial planning cooperation & ETC programmes...</i>	ZIN120 (25 min)
11:15 - 11:30	QUESTIONS + ANSWERS + DISCUSSION	(15 min)
11:30-	Kaffeepause / Coffee break + Posterdemos by FURDIK et al.: MobEx-Project-Posters (SK+PL+HU+CZ)	ZIN025
12:00-	KEYNOTE by R. LONGHORN (BE): From GI2000 to Sustainability of INSPIRE: The challenges ahead ! & Introduction into WS 1: “INSPIRE - The Readiness Checklist for Local & Regional Government”	ZIN120 (25+ 5min)
12:30	MAYER-LEIXNER (DE): GDI und deren praktische Umsetzung in Kommunen und Landkreisen	ZIN120 (a 15min)
12:45	BLACHOWSKI et al. (PL): Concept for Regional Monitoring of Spatial Planning in Lower Silesia...	PPT
13:00	VOHNOUT (CZ): METASCHOOL & NATURNET ^{plus} Projects - The 4 th Way of INSPIRE Implementation	
13:15	FENCIK (SK): Current state of building the Spatial Data Infrastructure in the Slovak Republic (NSDI-SK)	
13:30-	Mittagspause & Diskussion / Lunch break & Discussion + Posterdemos by FURDIK et al.: MobEx-Project-Posters (SK+PL+HU+CZ)	ZIN025
14:30-	KEYNOTE by Walter MAYER (AT): Benefits of integrated Information Systems for Advisors, Farmers... & Introduction into WS 3: “Der Agrarbetrieb der Zukunft” (The Farm of the Future - Vision of Tomorrow)	ZIN120 (25+ 5min)
15:00 - 15:15	→ZIN120 QUESTIONS + ANSWERS + DISCUSSION →ZIN025	(15 min)
15:15	BAUMANN (DE): Das grenzüberschreitende Projekt “BRENNER-Basistunnel-GEOPORTAL”...	(a 15 min)
15:30	MECHA & BORYS (PL): Geoportal-2 based on Relational Database	
15:45	MILDORF&JANECKA (CZ): EU-FP7Project “PLAN4ALL” - Integration of Spatial Planning in Europe...	
16:00	JANECKA & HIESS (CZ): EU-Leonardo-Project “SDI-EDU” - The “Status quo” of INSPIRE Awareness	
16:15-	Kaffeepause / Coffee break + Posterdemos by FURDIK et al.: MobEx-Project (SK+PL+HU+CZ)	ZIN025
16:30	KOSKOVA & CHARVAT (CZ): The EU-CIP-Project “BRISSEIDE” - Regional Flood Geoportal...	(à 15 min)
16:45	SCHAFFT (DE): Demographie-Analysen und Szenarien mit Unterstützung von GeoMedia/Prof.+Grid...	
17:00	MODYR (CZ): KIDS - An environmental education project based on landuse change simulator...	
17:15	KLIMENT (SK): Discovery service testing according to INSPIRE implementing rules / TELE !	ZIN120
17:25	HOFFMANN (DE): European X-SDI-Projects across borders of Regions...	
17:40-	Einführung in WS 2: “Geoportale sowie Kommunale, Regionale und OpenGIS*GDI-Strategien” BAYERN-GIS (DE) & CAIGOS-Partner-NETZWERK (DE): NTR-Software(RP)+ARCHIKAR (BB)+GIS-Konzept(SN)	ZIN120 (4x5 min)
18:00-	Freie Zeit / Relax time	Hotel Pension Bannowitz
20:00-	Einladung zur Abendveranstaltung Panorama-Restaurant @BOW'ling ARENA Invitation to Social „Get together“ Event	BOW-ARENA
-23:00		

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GI2010 - WORKSHOPPROGRAMM - 15.05.2010

Rahmenprogramm ! <<< 10. Sächsisches GIS-Forum >>> Framework Program !

Anderungen vorbehalten ! <<< Status: 10. Mai 2010 >>> Changes may apply !

ZUSATZ - WORKSHOP - PROGRAMM

Zeit / Time Workshop	Finales WS-Programm wurde fixiert an Hand der Vorauswahl im Anmeldeformular der Teilnehmer ! 08:00 - 09:00 + 09:15 - 10:45 + 11:00 - 12:00 <i>Final WS-Program has been fixed according to Pre-selections in the Registration Form of Participants !</i>	Hörsaal Room
WS 1 (BE)	"INSPIRE - The Readiness Checklist" <i>(Guidelines for INSPIRE preparations by Local & Regional Governments)</i> Anleitung zum INSPIRE-Vorbereitungstest für Kommunen und Landkreise LONGHORN: (IDRA Ltd. Brussel / London)	ZIN 120 08:00 - 08:45 + Discussion 08:45 - 09:00
WS 2 (DE)	"Kommunale, Regionale und OpenGIS*GDI-Strategien" BayernGIS GmbH - Demonstration BAUMANN: Geoportal ohne Grenzen - Fachübergreifende Geodaten-Nutzung im Landkreis... (<i>Kommunales Geoportal für Einsatzleitstellen, Freiwillige Feuerwehr, Rettungsdienst und THW</i>) CAIGOS-Partner-NETZWERK - Demonstrationen MAYER-LEIXNER (NTR-Software GmbH): GDI-Strategien für Kommunen & Landkreise NACHTIGALL (ARCHIKART AG): ALKIS & NAS - Kommunen im Blick LEHRACH+LEIBROCK (GIS-Konzept GmbH): PolyGIS & Kommunale CAIGOS-Globe-Strategien	ZIN 120 09:00 - 09:20 CAIGOS 09:20 - 09:30 09:30 - 09:50 Pause / Break 10:05 - 10:45 + Diskussion 10:45 - 11:00
WS 3 (AT)	"The Farm of the Future - A Vision for Tomorrow" CHARVAT: ISAF - Ergebnisbericht zum EU-FP7-Projekt „Future Farm“ - Workshop - Prag: 12.05.2010 PROGIS GmbH - Praxis - Demonstrationen MAYER: Der Agrarbetrieb der Zukunft - Zukunftsvisionen (<i>Farm of the Future - Vision of Tomorrow</i>)	ZIN 120 11:00 - 11:05 11:05 - 11:45 + Diskussion 11:45 - 12:00 ENDE

GI2010-Symposium-LOCATION

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Technische Universität - AgrarCampus - ZIN025+ZIN120 - Bergstrasse 120, Bus-Stop: #66 + #360 (Südhöhe)

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INTERNATIONAL X-BORDER & INTER-REGIONAL SYMPOSIUM

GI2010

AUTORENLISTE

ALPHABETISCH

Status as per
30. April 2010

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GI2010 - WELCOME @ Agrar-System-Technik - Technische Universität DRESDEN

Prof. Thomas HERLITZIUS, Head of AST Department @ TUD

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CEEOVÁ Jana → siehe 75: ORSULAK → POSTER UJEP

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The "WAY 4 INSPIRE" - SEIS versus SISE Approaches

CHARVAT Karel → siehe 49: KOSKOVA Irena

29 → CORBIN Chris (Keynote)

EU PSI Directive Communication Published: One Year On – Has Europe Delivered ?

FALLY Veronika → siehe 73+74: ONGJERTH Richard → POSTER MUT 4+8

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30 → FENCÍK Róbert & KLIMENT Tomáš & TUCHYNA Martin

Current state of building the Spatial Data Infrastructure in the Slovak Republic

FILIKEPOVÁ Denisa → siehe **50:** KOVÁČ Bohumil → POSTER STUBA 3

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WORKSHOPS

DRESDEN
15.05.2010

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WORKSHOPS, 15.05.2010 / 08:00 - 12:00

The final workflow has been fixed finally based on the pre-selections made by participants in their registration form !

Der Ablauf wurde endgültig festgelegt basierend auf der Vorauswahl durch die Teilnehmer im Registrations-Formular !

WORKSHOP 1 - moderated by Dr. HIESS (CAGI-CZ)

"INSPIRE - The Readiness Checklist for Local & Regional Government "

08:00 - 08:45 / LONGHORN: IDRA Ltd. (Brussel, BE / London, UK)

08:45 - 09:00 / Q+A & Discussion

WORKSHOP 2 - moderated by Dr. HOFFMANN (IGN e.V.)

"Kommunale, Regionale und OpenGIS*GDI-Strategien"

09:00 - 09:20 / BAUMANN: BayernGIS GmbH (Kolbermoor, BY.de)

09:20 - 09:30 / MAYER-LEIXNER: NTR-Software GmbH (Heidesheim, RP.de)

09:30 - 09:45 → Kaffeepause / Coffee break

09:45 - 10:05 / NACHTIGALL: ARCHIKART AG (Lauchhammer, BB.de)

10:05 - 10:45 / LEHRACH+LEIBROCK: GIS-Konzept GmbH (Leipzig, SN.de)

10:45 - 11:00 / Q+A & Diskussion

WORKSHOP 3 - moderated by Dr. FENCIK (SAGI-SK)

"Agrarbetrieb der Zukunft - Farm of the Future - Vision for Tomorrow"

11:00 - 11:05 / CHARVAT: CCSS (Praha, CZ) - WS "Future Farm" Prague, 12.05.2010

11:05 - 11:45 / MAYER: PROGIS GmbH (Villach, AT) - Agrarbetrieb der Zukunft

11:45 - 12:00 / Q+A & Abschlußdiskussion

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PROCEEDINGS

ABSTRACTS OF KEYNOTES

**ABSTRACTS OF PRESENTATIONS & POSTERS
AND PRESS INFOS ARE TO BE PUBLISHED
IN THE DIGITAL PRINT VERSION ONLY !**

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DAS GRENZÜBERSCHREITENDE PROJEKT “BRENNER-BASISTUNNEL-GEOPORTAL” UND DESSEN NUTZUNG FÜR DIE FACHÜBERGREIFENDE PLANUNG, KOORDINIERUNG UND ÖFFENTLICHKEITSARBEIT

Johann BAUMANN

Baumann-BayernGIS & Geo-Kompetenzzentrum Kolbermoor (BY.de)

ABSTRACT

Keywords: ETRS89, Gauss-Krüger, Geodaten, Geoportal, Georeferenzierung, Kataster, Koordinatensysteme, länderübergreifend, mehrsprachig, UTM, WebGIS, WGS84.

Contents:

Der **Brenner-Pass** ist einer der wichtigsten Alpenübergänge im Transitverkehr von den Staaten nördlich der Alpen wie z. B. Österreich, Deutschland, Holland nach Italien. Die einzige Autobahn ist bereits ausgelastet, zudem ist die Umweltbelastung bereits am Rande des Erträglichen. Auch die bisherige Eisenbahntrasse ist an der Kapazitätsgrenze. Es soll grundsätzlich eine Verlagerung des Güterverkehrs auf die Schiene erfolgen. Um eine Entlastung herbeizuführen und die Kapazität an stetig steigende Anforderungen anzupassen, ist der sogenannte „**Brenner-Basis-Tunnel**“ in Arbeit. Dieser beginnt auf der österreichischen Seite bei Innsbruck und endet nach einer **Gesamttunnellänge von 55 km** in Italien bei Franzensfeste.

Dies ist ein **länderübergreifendes Projekt von 5 Regionen und drei Eisenbahngesellschaften** entlang der Strecke München-Verona. Der Betrieb soll bis 2022 aufgenommen werden. Die gesamte Planung des „Brenner-Basistunnels“ wurde auf georeferenzierten Daten aufgebaut. Zudem wurde ein **WebGIS-Portal** angelegt und nach thematischen, skalierbaren Modulen strukturiert:

- Geologie
- Planung
- Wasserwirtschaftliche Beweissicherung
- Vermessung
- Eigentümer und Katasterparzellen
- Öffentlichkeit

Sämtliche Informationen sind **multi-lingual** in drei Sprachen (*Deutsch, Italienisch, Englisch*) abrufbar. Die unterstützende Datenbank Oracle mit dem Framework mapAccel WebGIS-Database erlaubt nicht nur die visuelle Darstellung der Geländeformationen und des Basistunnels, sondern es können auch logische Abfragen durchgeführt werden. Weiterhin können Daten von verschiedenen **Koordinatensystemen (UTM, WGS84, ITRF94, Gauss Boaga, Gauss Krüger, ETRS89)** verwaltet werden. Zudem sind diverse Datenbanken und Meßstationen mit eingebunden. Die Datenmenge ist sehr groß, da im Umgriff von bis zu **30 km** die gesamte **Infrastruktur mit allen relevanten Daten** enthalten ist.

Die **Koordination** erfolgt im Wesentlichen auch über das GeoPortal. Für die **Öffentlichkeit** ist der Zugang über ein Internet-Portal und zudem über Info-Terminals an den Bahnhöfen vorgesehen.

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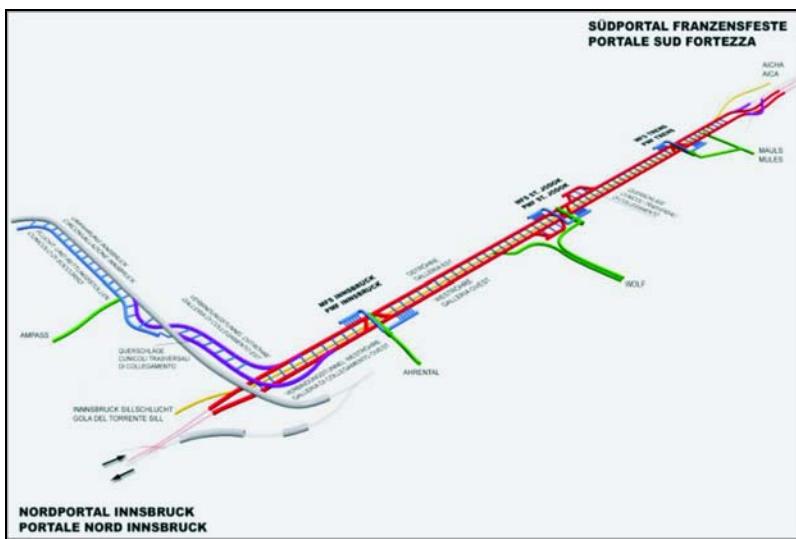
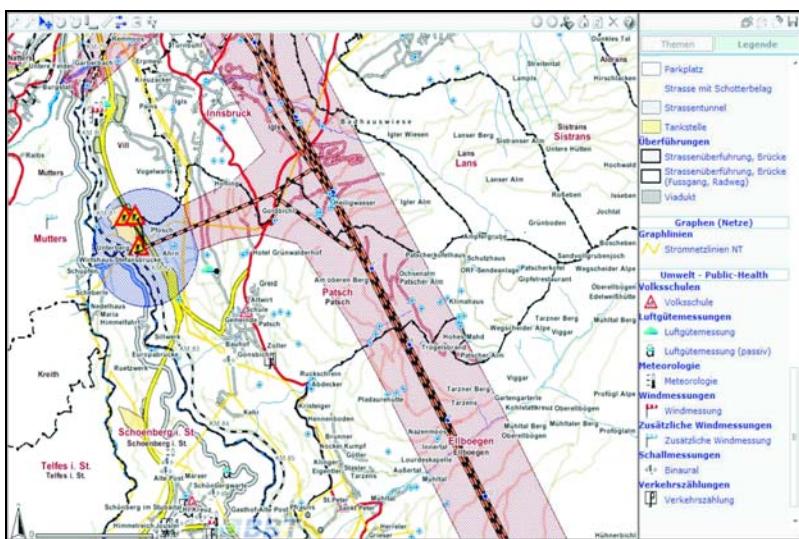
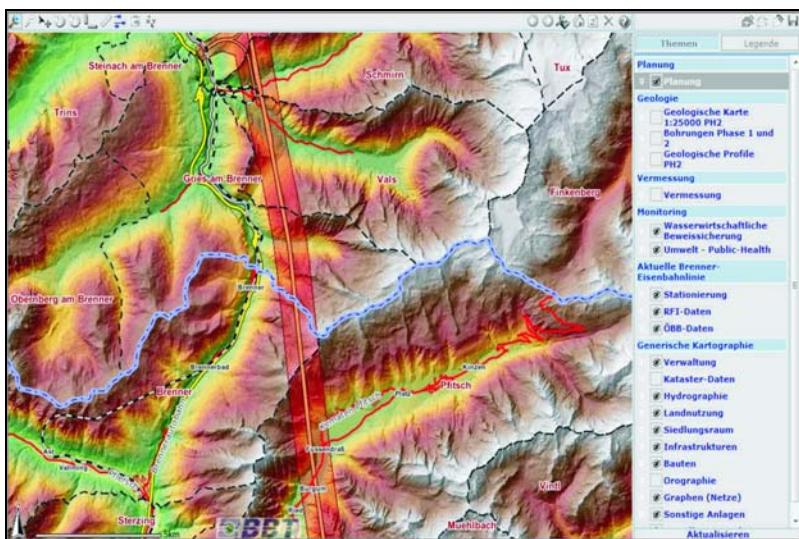
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SUMMARY

BBT-1:

Schematische Darstellung des Projektes

BBT-2:

Übersicht länderüberschreitender Bereich mit Topographischer Karte

BBT-3:

Umweltrelevante Messstellen und Infrastruktur beidseitig der Tunnel-Trasse Am Südportal „Franzensfeste“

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MULTIMEDIALE NAVIGATIONSSYSTEME FÜR FUSSGÄNGER UND RADFAHRER PILOTPROJEKT MOBILER GÄSTEFÜHRER „TOURGIS“ MIT GPS- UND RFID-NAVIGATION

Johann BAUMANN

Baumann-BayernGIS & Geo-Kompetenzzentrum Kolbermoor (BY.de)

ABSTRACT

Keywords: GPS, mobile Systeme, multimedial, Navigation, POI, RFID-Navigation

Contents:

Urlaubsgäste möchten ihre Urlaubsregion möglichst eigenständig und individuell erleben sowie Informationen über Land und Leute erhalten. Herkömmliche Navigationsgeräte sind generell ausgelegt und bieten oft keine ausgearbeiteten Routen und keine multimedialen Inhalte. Zudem ist eine Navigation in Innenräumen nicht möglich.

Bei TOURGIS werden digitale Karten und Luftbilder hinterlegt. Die **Routen** mitsamt Abzweigpunkten und „**Points of Interest**“ – POI wurden im GIS lagegenau erfasst. Das Gerät ist ein outdoorfähiger **PDA** mit **GPS-Antenne** und aufgesetzten **RFID-Reader**. Die Bedienung ist sehr einfach über Touchfelder mittels Fingern. Das Gerät ist **mehrsprachig** ausgelegt. Dem Gast werden mehrere Touren sowie hierzu entsprechende **Nutzungsprofile** angeboten wie z. B. rollstuhlgeeignet, Kinder, Natur, Kultur etc. Entsprechend den gewählten Optionen werden die Routen und multimedialen Beiträge im Gerät bereitgestellt.

Die **Position** wird dem Gast stets auf der hinterlegten Karte oder Luftbild angezeigt. Bei Abbiegungen oder Abzweigungen erscheinen die Richtungsangaben als Pfeil auf dem Display und zusätzlich als Sprachausgabe „Bitte in 100m links abbiegen“. Bei **POI** erscheinen automatisch **Bild-, Video und Textbeiträge**.

Innovative Multi-Navigation: Das TOURGIS kann nahtlos in **Außen- und Innenbereichen** eingesetzt werden. Insbesondere in Bereichen mit schlechtem GPS-Empfang (Altstadt, Arkaden, Kirchen, Museen etc.) kann mit der **RFID-Technologie** eine zuverlässige Navigation erfolgen. Grundlage hierzu ist die Positionierung von kleinen und unauffälligen **RFID-Sendern**. So erfolgt z. B. beim Betreten einer Kirche die automatische Umschaltung vom Stadtplan auf den Innenplan der Kirche und auf die **RFID-Navigation**. An den vorgesehenen Stellen z. B. vor einer Statue erfolgt dann automatisch die multimediale Wiedergabe von **Sprachbeiträgen, Bildern, Videos**. Zugleich wird auf dem Lageplan die Route mit der aktuellen Position angezeigt. Beim Verlassen des Gebäudes erfolgt wiederum automatisch die **Umschaltung auf GPS-Navigation** und die Einblendung des Stadtplanes.

Geplant ist eine zentrale Bereitstellung der Touren auf einem Geodatenserver. Der Gast kann sich im GeoPortal mit dargestellten Karten und POIs eine beliebige Route mit beliebigen Zwischenpunkten selbst zusammenstellen. Je nach persönlichen Profil und Vorlieben z. B. kindgerecht, kunsthistorisch etc. werden die zugehörigen multimedialen Beiträge automatisch zusammengestellt. Der Gast kann sich die gesamte Route mitsamt den Beiträgen auf sein Gerät downloaden: [<http://www.tourgis.de>].

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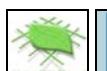
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TOURGIS < SUMMARY > APPLICATION



Rundgang

Quelle: WWW.Rosenheim.de

Die Nutzung und Navigation ist sowohl im Außenbereich für Radfahrer und Wanderer, als auch innerhalb von Gebäuden oder engen Altstadtbereichen möglich. Der Übergang von GPS-Navigation auf RFID-Navigation erfolgt automatisch.



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" GEOPORTAL OHNE GRENZEN " FACHÜBERGREIFENDE NUTZUNG VON GEODATEN IM LANDKREIS MIESBACH / BAYERN

Johann BAUMANN

Baumann-BayernGIS & Geo-Kompetenzzentrum Kolbermoor (BY.de)

ABSTRACT < WORKSHOP > SUMMARY

Keywords: geodaten, geoportal, länderübergreifend, gdi-kommunal, webgis

Contents:

Die Nutzung von umfangreichen Geodaten war bisher oft nur organisationsbezogen für größere Städte und Behörden vorbehalten. Gründe hierfür sind oft die **beträchtlichen Kosten** für die erforderlichen leistungsstarken GI-Systeme sowie gewisse **Hemmschwellen einer fachübergreifenden Nutzung**.

Eine innovative Lösung bietet ein webbasiertes GeoPortal, welches dank der Vielseitigkeit eine sehr hohe Akzeptanz findet. Herausragend ist vor allem die **Flexibilität**, da die Plattform sowohl wahlweise auf **kommerzielle Lösungen** beispielsweise von ESRI, als auch auf **OpenSource-Lösungen** wie UMN / Postgis etc. basieren kann. Ein Wechsel ist auch nach der Inbetriebnahme des GeoPortals möglich. Dies bedeutet in der Praxis eine hohe **Flexibilität, Unabhängigkeit und Investitionssicherheit** sowie relativ günstigen Konditionen beim Einsatz einer Open Source-Plattform. Dadurch ergeben sich äußerst interessante Möglichkeiten einer fachübergreifenden Nutzung für:

- Behörden
- Kommunen
- Rettungsdienste, Feuerwehren etc.
- Bürgerservice
- Wirtschaftsförderung
- Tourismus
- Länderübergreifende Projekte, da mehrsprachig.

Dadurch wird die **Basis einer effizienten Geodatennutzung** mit einem durchgehenden, in beide Richtungen möglichen Informationsfluss geschaffen. Durch die außergewöhnliche Offenheit ergeben sich völlig neue Möglichkeiten: Beispielsweise eine **neue Qualität** eines erfolgreichen E-Governments mit einer bidirektionalen Anbindung an Content-Managementsysteme (CMS) von behördlichen und kommunalen Webseiten.

Praktische Beispiele einer fachübergreifenden Geodaten-Nutzung in der Kommune Kolbermoor (u.a. Einsatzleitstelle Freiwillige Feuerwehr) und im Landkreis Miesbach/Bayern mit dem Nachbarland Österreich/Tirol durch Landratsamt, Landkreiskommunen (u.a. Bürgerservice, Rettungsdienste, Tourismus und Wirtschaftsförderung) werden demonstriert.

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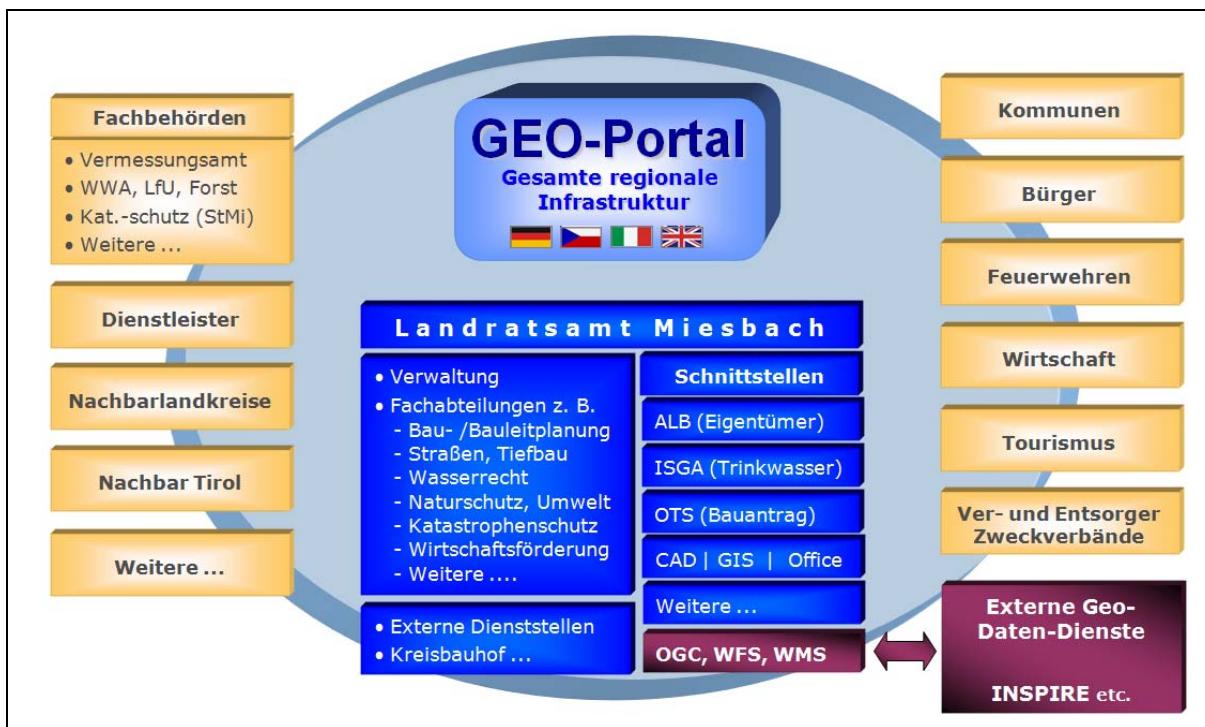


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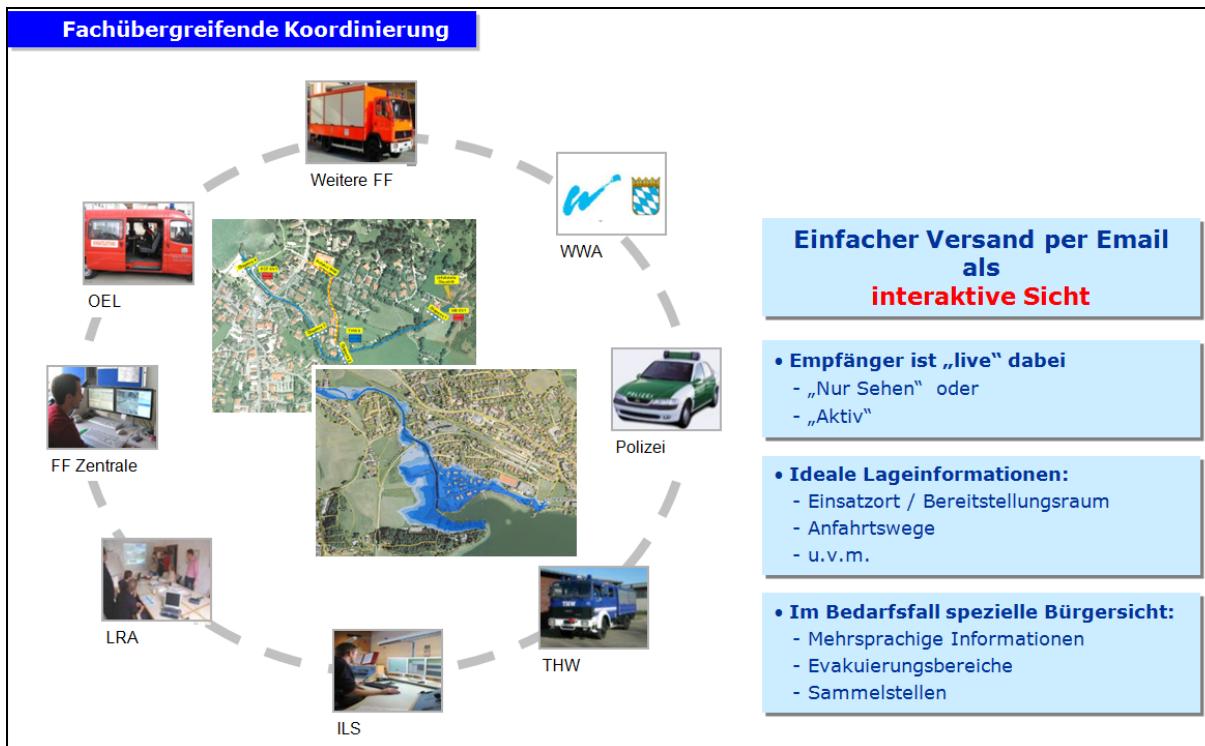
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SUMMARY



X-border-GeoDataInfrastructure of Regional Government MIESBACH (Bavaria, DE)



X-border-GDI for Decision making in collaborating Regions of Miesbach (DE) and Tirol (AT)



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EUROPE OF REGIONS

Cross-border Public Sector Information (PSI)

Cross-border Infrastructure of Spatial Information in Europe (INSPIRE)

X-PSI <> Interregionale Zusammenarbeit <> X-INSPIRE

Implementierung der EU-Direktiven PSI-2003/98/EC & INSPIRE-2007/2/EC

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X-border-GeoPortal-Anwendungen für Feuerwehren, Rettungsdienste und Technisches Hilfswerk (THW)

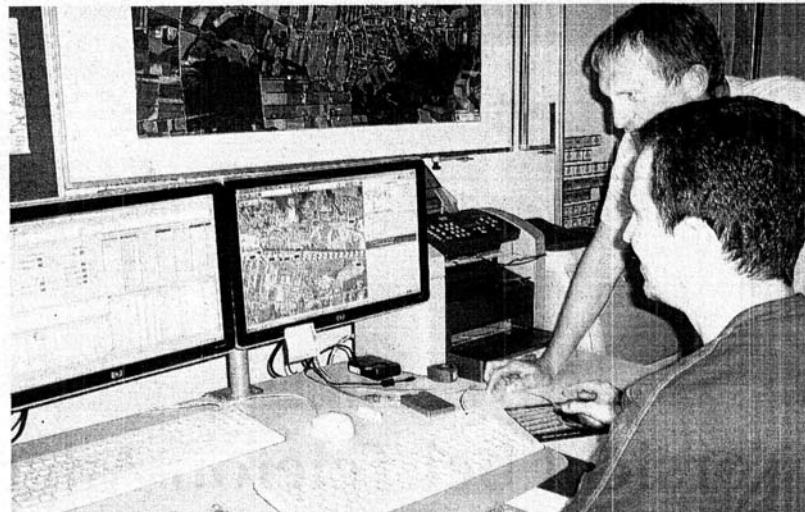
Hilfe im Notfall noch effizienter

Mit modernster Informationstechnologie wird künftig die Kolbermoorer Feuerwehr zu den Einsätzen ausrücken. Ob zu größeren Bränden, Überflutungen, Gewässergefährdungen oder Vermisstensuche – die Einsatzleitung hat jetzt alle relevanten Daten stets auf dem Laptop parat – sei es im Feuerwehrhaus oder über UTMS direkt am Einsatzort im Einsatzleitfahrzeug.

Kolbermoor – Im Rahmen eines Pilotprojektes von Baumann-Bayern-GIS aus dem Geo-Kompetenzzentrum Kolbermoor setzt die Kolbermoorer Feuerwehr ein fachübergreifendes Geo-Portal ein – als erste freiwillige Feuerwehr Bayerns im ländlichen Raum.

„Für uns ist das eine spürbare und große Erleichterung, sowohl beim Einsatz selbst als auch bei der Dokumentation und Nachbearbeitung“, hat Feuerwehrkommandant Richard Schrank bereits festgestellt, seitdem er sich mit dem neuen System vertraut gemacht hat. Er erinnert beispielsweise an den Orlaufall an der Mangfall in diesem Frühjahr, als man umständlich sämtliche Lagepläne im Feuerwehrhaus an die Wand gehängt hatte und per Hand aktualisieren und dann auch teilweise noch abfotografieren musste.

„Mit dem neuen System können wir nicht nur per Beamer die verschwendeten Pläne an die Leinwand werfen, sondern auch sofort die jeweiligen Änderungen eingeben. Außerdem ist es nicht mehr notwendig, dass alle Beteiligten sich im Einsatzraum zusammenfinden, da wir die Daten entweder sofort per E-Mail versenden können oder andere Einsatzkräfte wie THW oder BRK die Möglichkeit haben, per



Die Kommandanten Richard Schrank (links) und Hubert Schmid arbeiten in dem Pilotprojekt bereits mit dem neuen Geo-Portal. Stattdurchsuchen und Blättern in Ordnern genügt im Ernstfall ein Mausklick, um die benötigten Daten zu finden, weiterzuvermitteln und auf dem aktuellsten Stand zu halten.“

FOTO LANGWIEDER

Passwort Zugang zu bekommen – das ist die große Innovation. Derjenige kann sich dann bereits vor Ort befinden und uns seinerseits via Laptop Rückmeldung geben.“ Auch Ortsfremde kann man somit punktgenau zum Einsatzort lotsen.

Auf einen Blick kann man jetzt genau festlegen, wo man im Gelände Einsatzkräfte platziert werden, welche Gebiete – beispielsweise bei einer Vermisstensuche – bereits abgesucht sind oder im Falle eines Wasserrohrbruchs erkennen, wo sich der nächste Schieber befindet. „Bisher musste so etwas teilweise zeitraubend gesucht werden oder Bauhof oder Wasserwirtschaftsamts mussten erst mit Kartematerial anrücken“, so Schrank. Detaillierte Luftbilder sind ebenfalls eine große Hilfe, wenn Eile geboten ist.

Das Geo-Portal ist eine

Weiterentwicklung von Geografischen Informationssystemen (GIS), die bisher überwiegend in den kommunalen Verwaltungen und auch im Kolbermoorer Rathaus im Einsatz standen. „Der wesentliche Vorteil ist die fachübergreifende Nutzung auch für die Feuerwehr sowie für Bürgerinformation, Wirtschaft und Tourismus. Künftig werden darin die gesamte kommunale Infrastruktur sowie alle relevanten Informationen für die Feuerwehren und weiteren Hilfsorganisationen verfügbar sein“, so Johann Baumann vom Geo-Kompetenzzentrum Kolbermoor.

Die Daten werden auf einem Geodatenserver in einem professionellen Rechenzentrum zentral zur Verfügung gestellt. Der Zugang erfolgt über das Internet. Im Bedarfsfall können zusätzlich aktuelle Daten von weiteren Behörden wie zum Bei-

spiel die aktuelle Hochwasserlage oder deren Prognosen mit zugeschaltet werden. Auch für den Katastrophenschutz „Mangfallhochwasser“ ist man bestens gerüstet: Mit dem Geo-Portal stehen alle vorbeugenden Maßnahmen sowie die aktuelle Lage aller relevanten Informationen bestmöglich zur Verfügung wie zum Beispiel die digitale Karten der Überflutungsbereiche und Wassertiefen des Wasserwirtschaftsamtes Rosenheim.

Für jeden einzelnen Bereich sind die vorsorglichen Maßnahmenpläne dargestellt und die dazugehörigen Informationen abrufbar – wie viele Sandsäcke oder Abdichtfolien werden für die jeweiligen Abschnitte benötigt, welche Straßen oder Brücken müssen gesperrt werden, in welchen Bereichen müssen wie viele Menschen evaku-

iert werden. Ein weiteres Novum ist die Möglichkeit, die Bevölkerung zielgerichtet zu informieren. Bei Bedarf kann die Sicht auf bestimmte Daten freigeschaltet werden – sei es Evakuierungsbereiche, Sammelstellen, Straßensperren und vieles mehr.

Da die Stadt Kolbermoor das bestehende GIS-System mit dem Geo-Portal ergänzt, wird damit die Nutzung der Geodaten für jeden Mitarbeiter möglich. „In diesem Zusammenhang sind für die Feuerwehr entsprechende Funktionalitäten mit berücksichtigt worden, so dass es für die Feuerwehr kostenfrei ist“, erklärt Johann Baumann. Es sei beabsichtigt, das Geo-Portal für die Bürgerinformation und Wirtschaftsförderung weiter auszubauen mit interaktivem Stadtplan, Buslinien, Handel und Gewerbe.

rebel

Pressemeldung: OVB 11.09.2008



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X-border-GeoPortal-Anwendungen für Feuerwehren, Rettungsdienste und Technisches Hilfswerk (THW)

Beeindruckt von System

Führungskräfte informierten sich bei Feuerwehr über Geo-Portal

Kolbermoor – Die Feuerwehr Kolbermoor informierte vor kurzem über ihre neue, moderne Informationstechnologie für Einsatzkoordinierung und Katastrophenschutz. Wie berichtet setzt die Kolbermoorer Wehr im Rahmen eines Pilotprojektes von Baumann-Bayern-GIS aus dem Geo-Kompetenzzentrum Kolbermoor seit einiger Zeit als erste freiwillige Feuerwehr Bayerns im ländlichen Raum ein fachübergreifendes Geo-Portal ein.

Das Interesse an der Präsentation war so groß, dass gleich zwei Abende angesetzt worden sind und die Plätze jeweils voll ausgebaut wurden. Führungskräfte von Feuerwehren, Katastrophenschutz, THW, Bergwacht, Behörden und Polizei aus den Regionen von Bad Tölz über Mühldorf bis Berchtesgaden zeigten großes Interesse an dem innovativen Projekt.



Mit großem Interesse verfolgten die Führungskräfte, wie Kommandant Richard Schrank die neue Informationstechnologie anschaulich präsentierte.

FOTOS RE

Der Kolbermoorer Kommandant Richard Schrank erklärte: „Für uns ist das

neue System eine spürbare und große Erleichterung, sowohl beim Einsatz selbst, als auch bei der Dokumentation und Nachbearbeitung.“

Am Beispiel des Ölunfallen an der Mangfall vom Frühjahr sowie weiterer Einsätze simuliert er die taktischen Maßnahmen und zeigte die nahtlose Informationskette von der Zentrale im Feuerwehrhaus, dem Einsatzleitwagen im Freien und der örtlichen Einsatzleitung auf.

Des Weiteren demonstrierte Schrank die besonderen Vorteile der gleichzeitigen und fachübergreifenden Information über Ölsperren, Anfahrtsweg und die effizienten Möglichkeiten der Einsatzkoordination mit weiteren Fachbehörden wie dem Wasserwirtschaftsamt.

Der Kommandant informierte auch über die von der Feuerwehr Kolbermoor bereits erfassten relevanten Objekte wie zum Beispiel Wassernahmestellen, Brandmeldeanlagen, Objekte wie Schulen, Altenheime und die zugehörigen Daten.

Daten stets verfügbar und überall abrufbar

Die stets und von überall abrufbare vollständige Übersicht am Bildschirm kann im Ernstfall wertvolle Zeit sparen. Die Teilnehmer der Informationsabende zeigten sich ausnahmslos beeindruckt von den Möglichkeiten des neuen elektronischen Systems.



Mobile Information: Selbst auf engem Raum im Einsatzwagen sind alle Daten aktuell verfügbar.

Pressemeldung: OVB 6.12.2008

BAUMANN
bayernGIS

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REFLECTIONS ON SDI FOR SPATIAL PLANNING COOPERATION AND SUPPORT PROGRAMMES ACROSS THE BORDERS OF EUROREGIONS

Magdalena BELOF

Dolnoslaskie Voivodeship Marshal's Office, Regional Bureau of Spatial Planning in Wroclaw (PL)

ABSTRACT <> KEYNOTE

Keywords: Cross-border, European Transnational Cooperation 2007-2013, Europe, Integrated spatial planning, Lower Silesia, tri-national areas, WBU

Contents:

The **Regional Bureau of Spatial Planning** in Wroclaw (WBU) is acting on behalf of the self-government (Marshal Office) of Lower Silesia that borders with two countries: **Czech Republic and Saxony in the Federal Republic of Germany**. WBU is responsible for regional spatial development and planning duties in the “Dolnoslaskie Voivodeship” (Lower Silesia Region of Poland). The Bureau is creating spatial development *concepts, plans, studies, analyses* etc. and participating in Cross-border projects of European Communities related to spatial development.

During the “*Open Days of European Regions*” conference 2005 we referred to **four basic problems in cross-border collaboration:**

- **involvement** of regional level in practical cross-border cooperation,
- **strengthening** the planning issues in ETC programs of 2007-2013 period,
- **barriers** in funding policy which needs a “**one border - one program**”
- **problems** for x-border cooperation, especially in CZ<>SN<>PL tri-national areas.

As the main findings in 2005 we concluded the need for:

- **more flexibility** and **more visionary thinking** based on understanding of our common regional spatial space concepts,
- **INTEGRATED SPATIAL DEVELOPMENT VISIONS**
- **stronger support** for CIL3/A cooperation programs in unique tri-national regions.

This paper present an update of the “status-quo” situation based on the ETC Operational programmes 2007-2013 for cross-border cooperation in multi-national cross-border regions.

Authors

Dr. Magdalena BELOF

Reference

Reflection on cross border cooperation in Lower Silesia, Poland

[http://ec.europa.eu/regional_policy/opendays/CD/doc/c02.doc
http://ec.europa.eu/regional_policy/opendays/CD/doc/c02.doc]

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SUMMARY <> REPRINT

NEW INSTRUMENTS FOR NEW CHALLENGES IN TRANSBORDER PLANNING CO-OPERATION BETWEEN POLAND AND CZECH REPUBLIC

MAGDALENA BELOF

Wroclaw University of Technology, POLAND

The harmonious development of the EU territory requires co-operation in spatial planning. At the moment there is no policy or instrument from the Commission level that would directly regulate planning activities in Member States and their planning law and structures remain autonomous. Therefore successful transborder co-operation in spatial planning is based on the good will and commitment between engaged countries.

It is nearly 20 years since institutional and statutory basis for spatial planning co-operation between Poland and Czech Republic has been established. Within these years the model of planning co-operation beyond borders has transformed in terms of the role and power of different administration levels (governmental, regional and local) as well as the thematic scope. Accession to the European Union, on the *1 May 2004*, have set a new opportunities and new challenges to spatial development of border regions of the "*new countries*", which have become the EU's internal regions. This shift from the role of a peripheral areas to a much more engaged ones have brought about a *change in goals and strategies for development of border regions*.

The border between Poland and Czech Republic goes along the chain of Sudety Mountain. Therefore, in geographical terms, the majority of the area has mountain or pre-mountain character with relatively poor accessibility and economic potential comparing to other parts of neighboring countries. For many years the economic development of the area had been additionally hindered by peripheral, frontier position, since in spite of declared friendship and cooperation between nations, the frontiers between countries in ex-soviet bloc were almost as 'iron' as between the eastern and western part of Europe. Only the political and economic breakthrough and membership to the EU have opened the new chances for this region. To fasten *technical and socio-economic stabilization* and better development of the border regions, the two countries initiated the new joint initiative aiming at formulating common spatial planning document named: *Spatial Development Study of Polish Czech Borderland*. This document has been first in history of the area and first such an attempt among other border regions in Poland, as well as in Czech Republic.

Its incorporation into the spatial planning systems of the two respective countries could be guaranteed only by agreement with the methodology adopted and by participation and positive assessment of the spatial planning authorities on both sides of the border.

The paper discussed some aspects of transborder co-operation between Poland and Czech Republic after the economical and political transformation in both countries. It will give a short overview of its historical, institutional and operational background however will be mainly focused on recently completed document of *Spatial Development Study of Polish Czech Borderland* with a special focus on the method applied for its elaboration. During the preparation of the "study" it was necessary to *resolve methodological dissimilarities and certain differences* between approaches to planning in Poland and the Czech Republic which will be discussed in the paper.

Reprint - Reference

[<http://www.regional-studies-assoc.ac.uk/events/2008/may-prague/abstract-book.pdf>]

Regions: The Dilemmas of Integration and Competition?

Regional Studies Association, International Conference.

University of Economics, Prague: 27.-29.05.2008, Proceedings of abstracts: p. 49.

ISBN 978-1-897721-33-9

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GIS EDUCATION USING ONLINE VIDEO LECTURES THE OPEN SOURCE "BIZBIZ" PROJECT

Raitis Bērziņš

Institute of Mathematics and Computer Science (IMCS) - Riga (LV)

ABSTRACT

Keywords: *bizbiz, e-learning, inspire, meta-data, sdi-edu, video lectures*

Contents:

“BizBiz” is an open source web browser based **e-conference, collaboration and learning tool** which supports *slide shows, web page demonstration, synchronous pre-recorded video display, chat and lecturers live narration* using web camera provided video and audio.

Online demonstrated **videos, screenshots, web pages and slides** are synchronized with **lecturers explanations** and stored for later educational use. Educational contents are described using meta-data and stored in **meta-data catalog** to increase data and information accessibility.

The “BizBiz” tool has been developed in Institute of mathematics and computer science (IMCS) and used for **EU projects** like **SDI-EDU** and **NaturNet Plus (NN+)** to support **e-Learning** about Geographic Information Systems and **INSPIRE**.

References

“BizBiz” Online Lecturing Tool. IMCS, Riga: 2010
Internet [<http://bizbiz.mooo.com>]

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CONCEPT OF REGIONAL MONITORING OF SPATIAL PLANNING FOR LOWER SILESIA IN THE CROSS-BORDER CONTEXT OF EUROPEAN PROJECTS "GMES" AND "PLAN4ALL"

Magdalena Belof, Jan Blachowski, Przemysław Malczewski

Regional Bureau of Spatial Planning, Dolnoslaskie Voivodeship Marshal's Office - Wroclaw (PL)

ABSTRACT

Keywords: open source software, spatial planning, Lower Silesia

Contents:

Regional spatial development and planning duties in the Dolnoslaskie Voivodeship (Poland) are the responsibility of the **Regional Bureau of Spatial Planning in Wroclaw (WBU)** acting on behalf of the self-government (Marshal Office) of Lower Silesia. The Bureau creates *spatial development plans, studies, analyses, concepts*, etc. and participates in *international projects* related to issues connected with spatial development.

Within this activity and responding to the **INSPIRE Directive**, being transposed to the Polish legislation, WBU has started **actions** aimed at *monitoring spatial development* in the Lower Silesia region. It concerns particularly themes in the Directive's **Annex 3, land use and future land use**.

Problems associated with implementation and management of geoinformation systems for spatial planning on the regional and local levels, in Poland, arise from high initial and *licence costs* of commercial software for public administration, as well as *lack of standards for joint monitoring and spatial policy-making on the interregional level*. Even more problematic is the coordination and integration of the systems across the borders, especially in the **trilateral context, e.g. Polish-German-Czech borderland area**. Regardless the lack of useful financial EU tools supporting such attempts, various pilot initiatives are arising on many levels e.g. the recently launched **Polish-German initiative: "Investment Perspectives in Cross-Border Cooperation Area ODER Partnership"**.

In this context, at the end of 2009, **work on a project** concerning publication and presentation of *regional scale spatial data* on the Internet was started in the WBU. It is aimed at developing **Metadata Catalogue** for selected themes from Annex three and Internet based geoinformation tools **using open source applications** in accordance with the Open Geospatial Consortium (OGC) standards. The project should also have educational aspect and platform of cooperation between public administration units and higher education institutions working together on solutions needs to be created. At the present stage partner cooperating with the WBU on the project development is going to be selected. The worked out solution should be kept open as many aspects including legal, metadata catalogue, etc. are not yet precisely defined. Therefore making use of experiences from the European project e-Content Plus "**Plan 4All**" is also planned.

The results of the project, which is planned to last till mid **2011**, should provide solutions for other regional spatial planning units and actions such as spatial planning systems for **Polish-German** and **Czech-Polish cross-border cooperation**.

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THE "WAY 4 INSPIRE" SEIS VERSUS SISE APPROACHES

Karel Charvat

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ABSTRACT <> KEYNOTE

Keywords: Directives, EC, GI2000, e-Government, INSPIRE, Public Sector Information, Regional Spatial Data Infrastructure, Sustainability.

Contents:

The experience from European projects like *Plan4all*, *SDI EDU*, *NaturNet plus*, but also from different local and regional workshops show, that the level of knowledge about INSPIRE directive is till now very low among local and regional policy maker and public, local and regional ICT (GIS). Companies which are key partners for implementation of local and regional infrastructures are usually not well informed about INSPIRE.

Actually, INSPIRE and SEIS are considered to be top down driven solutions, as well INSPIRE and SEIS are expected to be realized mainly by participation of public organisation.

Current portals and tools accessing spatial data can be divided onto 3 groups.

- **Public administration** - this group is oriented on INSPIRE. Data stored on these portals have their life cycle. This means that these data are acquired every day, week, month, year, etc., and it is known when these data were gathered.
- **Public portals** – Google, Yahoo and some others can be assigned to this group. Most of such data can not be used as we don't know e.g. their property rights, licensing, or time of creation of data.

Online communities – best known system in this group is probably the OpenStreetMap. This is an open source spatial data system which is available all over the world. Data are created by everyone who knows how to do it. Problem is that these data are continuously modified and do not have conditions of regular updating. Big advantage of it is its tremendous human power.

The 4th way – data from all groups can not be utilized simultaneously right now. However, what if some possibility is discovered that would enable to put “INSPIRE data”, GeoRSS, KML, RDF, OpenStreetMap, etc. into one portal? The way to do this offer Geoportal currently developed in cooperation among Help Service Remote Sensing, Czech Centre for Science and Society, WirelessInfo and Help Forest.

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References

Werner Pillmann (IGU), Karel Charvát (CCSS), Werner Geiger (KIT), Desiree Hilbring, Thomas Usländer (Fraunhofer IITB):

Screening of Information Sources for an Integrated Environmental Information Space

European ICT Environmental Sustainability Research, Brussel: 2009

Premysl Vohnout, Stepan Kafka, Jachym Cepicky, Martin Vlk, Petr Horak, Karel Charvat
Geoportal for Everybody: IST Africa, Kampala: 2009

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Cross-border Infrastructure of Spatial Information in Europe (INSPIRE)

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EU PSI DIRECTIVE COMMUNICATION PUBLISHED: ONE YEAR ON – HAS EUROPE DELIVERED ?

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ABSTRACT <> KEYNOTE

Keywords: *Public Sector Information, Directive 2003/98/EC, Re-use, Knowledge economy, Fair Competition, Exclusive Arrangements, Value-Chain, Economic Indicators, Innovation, Infringement.*

Contents:

The 7th May 2010 was the first anniversary of the publication of the Communication on the **review of the Re-use of Public Sector Information Directive 2003/98/EC** by the European Commission. The Communication outlined a range of actions that the European Commission would initiate and undertake and stated that a further review of the implementation of the Directive would be undertaken by 2012, accompanied where appropriate by a proposal for amendments to the Directive. The Communication also outlined the actions that Member States should take.

Whilst the **European Commission** is actively delivering the actions identified in the Communication there is little evidence that the Member States apart from one or two exceptions have done so. Many Member States as a result of the **global financial crisis** have had to enact austerity measures in order to reduce the public debt and as a consequence have to deliver more from the reduced resources.

Few Member States however have taken the opportunity **to innovate and stimulate the economy** by opening up public sector information for re-use. Civil Society by comparison has become much more involved and active with respect **to making data open and public**. This societal change has been fuelled by a mixture of political motivation following the arrival of the new President of the United States of America, advances in technology and the power of the crowd. In some information sectors the growth of substitute data sets to those on offer from the public sector has continued.

The **three infringement actions** initiated by the European Commission against **Italy, Poland and Sweden** have yet to reach a conclusion. As a by product the actions taken by these three Member States has served to demonstrate the **cultural differences that exist across Europe** that impact the implementation of any European Union Directive. As a consequence of the **European Parliamentary elections** and the implementation of the **Lisbon Treaty** the European political institutions have passed through a period of changeover the past year. The new Commission only came into effect in February 2010 when the Commissioners were appointed and as a consequence **the future intentions of the new Commission are only now beginning to emerge**.

References

The European Public Sector Information Platform [<http://www.epsiplatform.eu/>]

The European Commission Information Society - Public Sector Information (PSI) Information Service
[http://ec.europa.eu/information_society/policy/psi/index_en.htm]

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CURRENT STATE OF BUILDING THE SPATIAL DATA INFRASTRUCTURE IN THE SLOVAK REPUBLIC

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ABSTRACT

Keywords: *Act on National Infrastructure for Spatial Information, Coordination council, INSPIRE Directive, Metadata solution, Monitoring and reporting, Network services, Public Authorities.*

Contents:

The transposition process of Directive 2007/2/EC of the European Parliament and of the Council from 14 March 2007 establishing an Infrastructure for Spatial Information in the European Community (INSPIRE) into a legal system of the Slovak Republic was finished by adoption of the new **Act No. 3/2010** on National Infrastructure for Spatial Information (NSDI).

The **Act No. 3/2010** was prepared by the *Ministry of Environment* in close co-operation with the *Agency of Geodesy, Cartography and Cadastre of the Slovak Republic*. Proposed act was adopted by the National Council of the Slovak Republic on 2 December 2009 with effect from 1 February 2010. The act defines the responsible authorities, with the commitment for building a national spatial data infrastructure.

The **National INSPIRE contact point** responsible for contact with European Committee is the Ministry of Environment of the Slovak Republic.

The basic aims within implementation process of INSPIRE Directive in the Slovak Republic for 2010 and near future belongs:

- **establishing** of a Coordination Council and the working groups within the responsible authorities for coordination activities at national level according to particular INSPIRE themes,
- **creating** of metadata for discovery according to implementing rules for metadata
- **implementing** of the metadata catalogues for the spatial data sets and services corresponding to the themes listed in Annexes I, II of directive,
- **monitoring** activities in national infrastructure for spatial information and processing of first report for European Committee,
- **disseminating** information about INSPIRE activities among citizens, public authorities, government bodies and organizations that their work is related to INSPIRE aspects and responsibilities via workshops, conferences, web pages etc..

Authors

Ing. Róbert Fencík, PhD., Ing. Tomáš Kliment, Ing. Martin Tuchyňa, PhD.

References

[<http://inspire.enviroportal.sk>] & [<http://geo.enviroportal.sk/nipi/>]

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SUMMARY

Act on National Infrastructure for Spatial Information in Slovak Republic and the Coordination Council

Act No. 3/2010 Coll.:

- National law about national infrastructure for spatial information in the Slovak republic;
- Transposition of INSPIRE directive no. 2007/2/EC carried by Ministry of Environment adopted by resolution of the Slovak republic government no. 745 from 3rd of October 2007;
- National Council of the Slovak republic adopted the act in 2nd of December 2009 and is effective since 1st of February 2010;
- Main objectives of the adopted act are establishment of national infrastructure for spatial information for management and decisions making in public sector domain; coordination of infrastructure creation and operation; activity field of Slovak Ministry of Environment (ME) and Slovak Environment Agency (SEA); rights and duties for parties in processes of establishment, actualization and infrastructure using; duties for parties in the field of metadata, spatial data, network services, spatial data sharing, monitoring and reporting and the establishment of a National Geoportal.

Coordination council established by Ministry of Environment in accordance with §12 of Act:

- Was established as an advisory body for the Minister of the Environment of the Slovak republic supporting the coordination of public authorities to put law into effect;
- Consists of the main authorities as a chairman, a vice chairman and a secretary and the members from the ministries of Environment (ME), Interior (MI), Transport, Post and Telecommunication (MTPT), Agriculture (MA), Defence (MD), Economy (MEc), Construction and Regional Development (MCRD), Health (MH), Culture (MC), Finance (MF), Statistical Office (SO), Authority of Geodesy, Cartography and Cadastre (AGCC) and Association of Towns and Villages of the Slovak republic (ATV) who are nominated and dismissed by Ministry of Environment;
- Will start activities in the April 2010 with concluding of council nomination and opening meeting;
- Will have very important “opening” work to prepare and send first report on behalf of the Slovak republic until 15th of May this year;
- Has identified public authorities (see following table) for each INSPIRE theme and will coordinate their activities leading to accomplish requirements defined in INSPIRE directive for near future.

Table 1 Identified public authorities for each INSPIRE theme

Annex	Number and name of theme	Identified public authority	Annex	Number and name of theme	Identified public authority
I	1. Coordinate reference systems	AGCC	III	5. Human health and safety	MH, ME
	2. Geographical grid systems	AGCC		6. Utility and governmental services	ME, MEC, MI
	3. Geographical names	AGCC		7. Environmental monitoring facilities	ME
	4. Administrative units	MI		8. Production and industrial facilities	MEc, ME
	5. Addresses	MI		9. Agricultural and aquaculture facilities	MA
	6. Cadastral parcels	AGCC		10. Population distribution — demography	MCRD, SO
	7. Transport networks	MTPT		11. Area management/ restriction/ regulation zones and reporting units	ME
	8. Hydrography	ME		12. Natural risk zones	ME, MI
	9. Protected sites	ME		13. Atmospheric conditions	ME
II	1. Elevation	ME, MD, AGCC		14. Meteorological geographical features	ME
	2. Land cover	ME, MA		15. Oceanographic geographical features	-
	3. Orthoimagery	ME, Third parties		16. Sea regions	-
	4. Geology	ME		17. Bio-geographical regions	ME
III	1. Statistical units	SO		18. Habitats and biotopes	ME
	2. Buildings	AGCC, MEC, MI		19. Species distribution	ME
	3. Soil	MA		20. Energy resources	MEc, ME
	4. Land use	MCRG		21. Mineral resources	MEc, ME





Metadata and Discovery service – pilot implementation

SEA has implemented pilot metainformation solution, which provides:

- Simple (resource type, full text, spatial extent), thematic (INSPIRE theme) and advanced (Title, Abstract, Temporal extent, Linkage, Contact info etc.) metadata search and view functionality for metadata customers;
- Create (new, template), edit (existing, imported), import (XML metadata), validation (against INSPIRE schema), protection (privileges according to predefined rules for roles, groups and users), harvest (from remote catalogues) and export functionalities for metadata producers;
- Central metainformation point for Slovak environmental sector – metacatalogue, metadata editor, catalogue service /discovery service: (Fig. 1, 2 and 3);
- Support for standards: ISO 19115/19119/19139, Implementing rules for INSPIRE Metadata, OGC CSW 2.0.2 ISO AP 1.0;
- Metadata quantity and quality – 923 metadata records (11/4/2010), quality assessment of metadata and discovery service is currently in testing period;
- URL for Web client of Metainformation system <http://geo.enviroportal.sk/terracatalog> and endpoints for discovery service <http://globus.sazp.sk:8080/soapservices/services/CSWDiscovery> (POST SOAP XML binding) and <http://globus.sazp.sk:8080/soapservices/CSWStartup> (GET, POST XML binding).

Fig. 1 Main GUI of SEA Metainformation system – simple metadata search

Fig. 2 Extended search

Metadata details	
Back to result page	
Číhanečné územie	Chránené územie SR
SRMRE	SRMRE
Description	Categorisation Binding Distribution Quality Metadata
Title: Číhanečné územie	creation: 2010-01-01
Abstract: Číhanečné územie SR	modification: 2010-01-01
Date: 2010-01-01	revision: 2010-01-01
Point of contact: pointOfContact: Martin Kolka	Individual name: Martin Kolka
Role: Individual name: Martin Kolka	Organization name: Slovenská agentúra životného prostredia
Point of contact: Organization name: Slovenská agentúra životného prostredia	Phone: +421 48 4374 143
Role: Phone: +421 48 4374 143	Fax/fax: +421 48 4353 635
Point of contact: Fax/fax: +421 48 4353 635	Delivery point: Tájská 29
Role: Delivery point: Tájská 29	City: 975 90 Banská Bystrica
Point of contact: City: 975 90 Banská Bystrica	Administrative area: Slovensko
Role: Administrative area: Slovensko	Country: Slovensko
Point of contact: Country: Slovensko	E-mail address: martin.kolka@sazp.sk
Role: E-mail address: martin.kolka@sazp.sk	Last edit: 2010-01-01
Point of contact: Last edit: 2010-01-01	West bound longitude: 16.35242
Role: West bound longitude: 16.35242	East bound longitude: 22.909261
Point of contact: East bound longitude: 22.909261	North bound latitude: 49.030662
Role: North bound latitude: 49.030662	South bound latitude: 47.595249
Point of contact: South bound latitude: 47.595249	

Fig. 3 Fragment of metadata view

Monitoring and Reporting – requirements and solutions

The main aims of monitoring and reporting are to:

- Gain overview about existence of metadata, spatial data, services and their quantity, quality and extent;
- Propose steps and processes to assign functionality of infrastructure in accordance with directive INSPIRE, related documents (Implementing rules) and national legislation as well.





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Proposed procedure for required information and data retrieval (Fig. 4):

- Communication with public authorities and collecting relevant information;
- Creating tools – online form (Fig. 5) and application for processing of provided information;
- Processing and creation of a report and sending for validation and marking up to ME,
- Sending a final version of the report to European Commission and publish it on the Web.

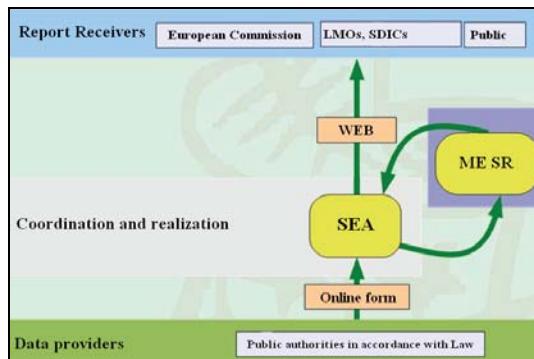


Fig. 4 Proposal of life cycle for the report creation and its reporting

Fig. 5 Fragment of an online form for the public authorities

[<http://inspire.enviroportal.sk/Inspire/form>]

Main information source about INSPIRE in the Slovak republic

SEA launched a public website (Fig. 6) for providing actual information about INSPIRE at European and national level as well. Via the website the users can:

- Receive information about activities and news;
- Obtain the documents related to INSPIRE (directive, act, Roadmap) and to components (Metadata, Spatial data specifications, Network services, Monitoring and reporting and Data sharing) defined within the directive;
- Access to the latest version of EnviroGeoPortal;
- Connect to the websites as INSPIRE forum, INSPIRE Geoportal and official INSPIRE website managed at European level;
- Receive information about current events related to SDI development in the Slovak republic;
- Address of this website is

[[http://inspire.enviroportal.sk.](http://inspire.enviroportal.sk/)]

Fig. 6 SEA INSPIRE website

Conclusions and future work

Considering the available information there are ongoing activities focused on fulfilment the requirements coming out of INSPIRE legislation in Slovakia. There are also limitations and national specifics, which have to be taken into the consideration, but in general process has been started and direction seems to be respecting all the obligations.

Nevertheless, this is important to keep in mind INSPIRE offers of unique opportunity to achieve the interoperability across the multiple domains. Establishment of the spatial data infrastructure is a complex process requiring relevant attention from the all involved stakeholders. Advantage of this process is that there is and will be available enough information supporting the implementation tasks. What is important is the way how those tasks will be executed. For that reason fostering participation and capacity building activities in the INSPIRE stakeholder community can significantly support successful implementation.

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URBAN STUDY: PODHORSKÝ PÁS – BRATISLAVA GENERAL SITUATION OF THE STUDY AREA EVOLUTION AND CURRENT STATE

Juraj FURDÍK, Rostislav ONDRUŠ, Charline SOWA, Annabelle VOILLOT

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POSTER - STUBA 1

Keywords: Bratislava, Podhorsky Pas, Development perspective, Vineyards, Urban sprawl, Urban development, Housing

Contents:

Podhorsky Pas is located in the north of Bratislava, at the foot of “the Smalls Carpathians.”

This linear area, between a forest and a main rail infrastructure, had mostly been made of vineyards. However, since last few years, it undergoes the urban development acceleration and sprawl.

Currently, Bratislava has more than 450 000 inhabitants and housing demand is highly increasing. Podhorsky Pas area development is mostly residential, but however not always adapted to the population’s needs.

The different graphics and maps will show the evolution of status for each sector, according to Bratislava Master Plan of 2007, the changes made on it, and potentials changes to come.

Different softwares will be used, such as AutoCAD, MapInfo, Google Map, Adobe Photoshop, Adobe Illustrator.

References

[<http://a-atc.sk/MobEx/>]

Authors

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URBAN STUDY: PODHORSKÝ PÁS - BRATISLAVA ANALYSIS AND PROPOSAL OF THE STUDY AREA

Juraj FURDÍK, Rostislav ONDRUŠ, Charline Sowa, Annabelle VOILLOT

Slovak University of Technology - Bratislava (SK)

POSTER - STUBA 2

Keywords: Bratislava, Development perspective, Housing, Podhorsky Pas, Proposals, Stakes, Urban sprawl, Urban development, Vineyards.

Contents:

Podhorsky Pas territory undergoes two phenomena: the descent of the forest and the rising of the city. Both are threats for vineyards and other green spaces of this area.

Thus, there are different stakes on this territory development. The vineyards question interrogates economical and cultural aspects, while the urban sprawl interrogates social aspects, with the question of type of function to set up on the territory.

Moreover, the number of sectors and land owners makes it difficult to have a global and coherent approach.

The proposals will be both methodological (tools and input) and urban planning orientations.

Different softwares will be used, such as Autocad, MapInfo, Google Map, Adobe Photoshop, Adobe Illustrator.

References

[<http://a-atc.sk/MobEx/>]

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WELCOME ADDRESS TO GI2010-SYMPOSIUM-DRESDEN SUSTAINABILITY OF X-BORDER & INTER-REGIONAL COLLABORATION

Frank HOFFMANN

IGN - INNOVATION. GRENZÜBERSCHREITENDES NETZWERK e.V. - Dresden (SN.DE)

ABSTRACT <> WELCOME

Keywords: Awareness, BOW, Education, ESDI, Europe, Geospatial Saxony, GI2000, GI2010, GIS, INSPIRE, Interoperability, LifeLongLearning, NSDI, OpenGIS, PSI, Regions, Strategy Seminars, Sustainability, Usability, X-border-SDI

Contents:

The implementation of EU Directives on ACCESS (Public Access to Environmental Information), PSI (Public Sector Information), and INSPIRE (Infrastructure for Spatial Information in the European Community) is determined by

- the globalization processes of economy,
- the rapid high-tech development changes, as well as
- the way decision processes are made

to monitor environment and natural resources, to prevent climate change, and to overcome the energy and finance crisis in *Europe of Regions*.

Research and development for comprehensive *use and re-use* of public sector *statistical, sensor, spatial and non-spatial* data, information, and applications, as well as web-based and mobile communication technologies (ICT) can help to improve european strategies and to enable sustainable decision making for regional development, but this needs:

- accessibility to analytical, sensor & statistical data about the environment openly available to associations, citizens, communities (ACCESS Directive 2003/4/EC),
- availability of sectoral & thematical information from public administrations & agencies re-usable by private SME's & start-up firms (PSI Directive 2003/98/EC),
- interoperability of web-based geoscientific, environmental and spatial services (INSPIRE Directive 2007/2/EC),

in order to provide the web basis for *sharing* of environmental information systems (SEIS), *integrating* of geographical, environmental and topographical data, services & applications, and *developing* a single information space in Europe (SISE) and to improve awareness and learning support for making sustainable decisions on local, regional and cross-border levels.

The European Commission on 8 May 2009 published an updated Communication on the status of Re-use of Public Sector Information – *Review of PSI Directive 2003/98/EC*.

The European Member States were also under an obligation to report by 14 August 2009 to the European Commission about their experiences and lessons learned applying the European *Directive 2003/4/EC* on public ACCESS to environmental information.

Actually, the Member states have to transpose the Decision of the Commission of the European Communities taken at December 11th, 2009, and to develop implementing rules regarding *Directive 2007/2/EC* about INSPIRE metadata, monitoring and reporting process. Now the first *Monitoring and reporting* by Member states is due by **15th of May 2010**.

Therefore, resulting from GI2009 event the decision was taken to focus this **GI2010 Anniversary** event of the “**10. Sächsisches GIS-Forum**” - GI2010-Symposium-DRESDEN: 14./15. May 2010, onto:

- INNOVATION progress made for implementing PSI & INSPIRE compliant technologies

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- **X-border-SDI** tools, web processing services and E-learning modules, as well as GeoMIS for data, services and applications at local, regional and x-border level
- **NETWORKS** of GI communities supporting information and communication, exchange of ideas, experiences and lessons learnt from “*best practices + projects*” for local and regional administrations and governments in *Europe of Regions*.

That's the way developing *Sustainability of European cross-border, trans-national and inter-regional collaboration* and setting up *innovative contents for a lifelong-learning process (LLP)* in order to realize *step-by-step* the **INSPIRE strategy for Europe** until 2019 and probably beyond 2020.

The **GI2010-Symposium** should continue the *usability road-map* of the already finished EU-FP6-Project **NaturNet+Redime (NNR)** lead by CCSS (Prague) which since it's finalization at the end of 2007 has been developed further the NNR tools within the Framework of EU-FP7-Programme and transferred its deliverables now into several new EU-Projects like: **NN+, METASCHOOL, HUMBOLDT, PLAN4ALL, SDI-EDU, BRISEIDE etc.** under the leadership of our Czech colleagues, e.g. all are members of an innovative NETWORK of High-tec-GeoInfo SME's and Universities lead by CCSS (*Czech Center for Science & Society*) nowadays to be transferred to other **REGIONS of EUROPE**.

Therefore, we w'd like transforming *Quantity of 10 Years ‘Sächsisches GIS-Forum’* now into a new *Quality* hopefully supporting *Sustainability of X-border & Inter-regional Collaboration, especially for the tri-national area between CZ+PL+SN.de !*

But, now let's start the **GI2010-Symposium**, likely a 1st Euregio-X-(PLAN+GIS+GDI)-Forum!

The non-profit Association **IGN e.V.** says:

- WELCOME to our international, national & regional participants, guests and authors celebrating the Anniversary of “**10. Sächsisches GIS-Forum**” with us together, contributing and enabling the **x-border-exchange** of information;
- THANK YOU to the *keynote experts & workshop leaders*, as well as to session *speakers & poster contributors* finally from **10 Countries**, among them from **5 German “Bundesländer”**:
 - **AT +BE +CH +CZ +DE ([BB +BE +BY +RP +SN]) +HU +LV +PL +SK +UK**ready for sharing with us their vision, information, knowledge and experience between *local and regional and cross-border communities*, the way forward for more awareness, semantic interoperability and sustainability of x-border & inter-regional *communication, coordination and collaboration*.
- ACKOWLEDGEMENT is given to several *organizations and companies* providing practical *workshop demos, posters, reports, fact sheets*, and supporting us to organize a free conference access to the GI2010-Symposium, important especially for our colleagues from CEE countries, **especially the following have to be named:**
- **ARCHIKART, BayernGIS, GLPA-Berlin/Brandenburg, BusinessGeomatics, CAGI-CZ, CAIGOS-Partner-Netzwerk, CCSS-CZ, GIS-Konzept, IDRA-BE+UK, KULK-CZ, NTR-Software, ORK-CH+DE+FR, PROGIS-AT, SAGI-SK, SIGRS/GISOR-CH+DE+FR, SOGI-CH, STUBA-SK, TUD-AST, WBUNI-CZ, WBU-PL.**

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Cross-border Public Sector Information (PSI)

Cross-border Infrastructure of Spatial Information in Europe (INSPIRE)

X-PSI <> Interregionale Zusammenarbeit <> X-INSPIRE

Implementierung der EU-Direktiven PSI-2003/98/EC & INSPIRE-2007/2/EC

INNOVATION. Grenzüberschreitendes Netzwerk



FROM GI2000 VIA INSPIRE TO GI2010 CELEBRATION OF 10 YEARS „SÄCHSISCHES GIS-FORUM“

Frank HOFFMANN

IGN - INNOVATION. GRENZÜBERSCHREITENDES NETZWERK e.V. - Dresden (SN.de)

ABSTRACT <> KEYNOTE

Keywords: Awareness, BOW, Education, ESDI, GDI-Sachsen, GI2000, GI2010, INSPIRE, Interoperability, KommunalGIS, LifeLongLearning, NSDI, OpenGIS, PSI, Regions, Strategy seminars, Sustainability, Usability, X-border-SDI

Contents:

GI2010-Symposium: INNOVATION, CROSS-BORDER-SDI, NETWORKS

- *Sustainability of NATURNET+REDIME (NNR) X-border-Project*

The Implementation of European Directives on PSI (Public Sector Information), ACCESS (Public Access to Environmental Information) and INSPIRE (Infrastructure for Spatial Information in the European Community) is determined by the globalization process of economy, by the rapid changes in information high-technology development, as well as by the decision making processes to prevent climate change, to monitor natural resources and to overcome the energy and finance crisis in Europe of Regions.

Development, use and re-use of information and communication technologies (ICT) can help to improve applications for European strategies on enabling sustainability of regional development, but this needs

- open and free accessibility to analytical, sensor & statistical data (ACCESS Directive 2003/4/EC),
- transparent availability of sectoral & thematical information from public agencies & administrations (PSI Directive 2003/98/EC),
- web-based interoperability of web-based geoscientific, environmental and spatial services (INSPIRE Directive 2007/2/EC)

in order to provide the basis for **sharing** of geoscientific information (SEIS) improving the awareness, skills and ability for **integrating** of environmental & geospatial data, services and applications into mainstream information system infrastructures (SISE) and better to support **sustainable decision making** on local, regional and cross-border levels.

The European Commission on 8 May 2009 published an updated Communication on the status of Re-use of Public Sector Information – the Review of Directive 2003/98/EC.

The European Member States were under an obligation to report by 14 August 2009 to the European Commission on the experiences gained in the application of the European Directive 2003/4/EC on public **ACCESS** to environmental information.

The Member states have to implement now the Decision of the Commission of the European Communities taken at 11 December 2009 and to develop implementing rules regarding **INSPIRE metadata, monitoring and reporting** published at 11 June 2009. The first monitoring and reporting by Member states is due by **15th of May 2010** !

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Therefore, the forthcoming **GI2010-Symposium-DRESDEN**: 14./15. May 2010, has the goal to analyze the progress made, exchange ideas on “*best practices*” and discuss about sustainability of the EU project lead by CCSS (Prague) **NaturNet+Redime (NNR)** after its finalization at the end of the year 2007. The GI2010-Symposium is continuing sustainably the symposia **GI2009** and **GI2008** held last two years and providing an overview about such follow-up new european projects like *Humboldt, Metaschool, NN+, Plan4all, SDI-EDU under the leadership of CCSS (CZ)* and others, contributing further to **Innovation** of web-based processes and supporting **Indicators** for decision making, to **Cross-border-SDI** for sustainable spatial planning, as well as reporting on “*Best practice*” **Networks** implementing the PSI, ACCESS & INSPIRE Directives and supporting *European Trans-national Cooperation* (ETC 2007-2013) in **EUROPE of REGIONS**.

This year, the Non-profit Association IGN e.V. is celebrating its **10th Anniversary** of **GI2010-Symposium = 10 Years “Sächsisches GIS-Forum”** and contributing to the usability of information and communication tools enabling permanent **exchange of knowledge and experience** between **local** and **regional**, as well as **cross-border communities** the way forward enabling more awareness on **ACCESS, eGOV / ePSI+, and INSPIRE** in EU-FP7-Programme **EFRE / ETC / Goal3** for European Trans-national Cooperation.

The **Keynote** is summarizing up the GeoDataInfrastructure (GDI) awareness initiatives of BOWGIS and IGN within last years, starting with and based on former, but nearly forgotten earlier EC-GI2000-Concept, developing its **VISION** for OpenGIS, OpenATKIS and OpenALKIS **Strategy seminars (GI2000)**, and further progressing when founding in May 2002 the “grass-roots” of the association “**GDI-Sachsen (i.G.)**” via its conclusions from **X-border-GDI Strategy seminars (GI2002)** and participating at EC **GI&GIS Workshop** in Dublin 2002 where the re-newed concept of EC-GI2000-Initiative was transferred into the **new INSPIRE-Initiative**. Then continuing with IGN’s research partnerships on **interoperability and usability of awareness and learning objects / moduls**, as well as **metadata for geographical objects, services and applications** within EU-FP5/6 projects NODE and NATURNET+REDIME. Finally, the paper closes with shortly reporting on the Awareness activities in **postgradual, continuing training and education programmes** at the BOWGIS@FAA having prepared between 1994/95 and 2010 nearly **350 GI experts** not only for Saxony, but also for other German ‘Bundesländer’.

Author

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Vorstandsvorsitzender - IGN e.V.

References

- Directive 90/313/EEC on freedom of access to environmental information
[<http://www.eea.europa.eu/92-9167-020-0/en/page005.html#2.1Directive>]
[<http://www.eea.europa.eu/publications/92-9167-020-0>]
- NNR-Project [<http://www.NATURNET.org> | <http://portal.NATURNET.org>]
- GI2009-Symposium - 9. Sächsisches GIS-Forum, Dresden 2009
[http://www.epsiplatform.eu/reports/gi2009_dresden_symposium_may_2009]
- GI2008-Symposium - 8. Sächsisches GIS-Forum, Dresden 2008
[http://www.epsiplus.net/reports/gi2008_dresden_symposium_may_2008]
- WEBLOG Geospatial SAXONY - GI2010 - GeoINSPIRE'd NATURNET
[<http://GDI-SN.blogspot.com>]

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IGN's History & Chronology - From GI2000 via INSPIRE2002 to GI2010

HISTORY	Important CAC*PLAN*GIS*SDI Events
September 1990 4.10.1990 April 1992 1992 1993 11. April 1994 14. Juni 1994 20. September 1995 31. December 1995 1996 1. January 1997 1998 June 1999 October 1999 December 1999	First contacts with ESRI and INTERGRAPH after the "Wall breakdown" GIS-Workshop of ESRI at TU-Dresden just after Re-unification of Germany TUD Automated Cartography & RS Workshop at Castle Gaußig Foundation of "Open GRASS Foundation" (OGF), the roots of later OGC First Postgradual GIS Courses established at Bildungswerk Ost-West (BOWGIS) The CLINTON Executive Order 12906: "Coordinating Geographic Data Acquisition and Access: The National Spatial Data Infrastructure" Foundation of German DDGI (NRW) Consultation process for an EU GI Infrastructure started by EC/DG VIII/E.3 The EGII Policy Document had been published: GI2000 - Towards a European Geographic Information Infrastructure (EGII) Foundation of RTGIS (Munich) and the first GSIDI-Conference by EUROGI & DDGI (Bonn) EC/JRC started [EGIP-L] - the "European GI Policy Discussion List" German FedGov established the IMAGI & AdV created the ALKIS-Concept BOWGIS: The Vision of Interoperability @ 5th EC-GI&GIS-WS Stresa (IT) [http://www.ec-gis.org/Workshops/7ec-gis/papers/html/bow/gi_bow_vision2001.ppt] BOWGIS: First Concept for GI Strategy Seminars in Saxony (GI2000) European Commission had been dissolved & the GI2000 Concept was cancelled...
CHRONOLOGY	From GI2000 via INSPIRE (2002) to GI2010
January-May 2000 24. November 2000 2001 January - May 2002 29. May 2002 June 2002 August 2002 August 2002 2. September 2002 2003 16. Oktober 2003 November 2003 13./14. Mai 2004 10. March 2005 12./13. Mai 2005 11./12. Mai 2006 10./11. Mai 2007 15. May 2007 5. October 2007 November 2007 15./16. Mai 2008 14./15. Mai 2009 4. April 2010 14./15. Mai 2010 2011	BOWGIS: First GI2000 Strategy seminar series (17) with ESF Support Member of German Bundestag - invited by BOW - visiting the BOWGIS-Training-LAB BOWGIS: Created Internet Domain [GDI-SN.de] for EU-FP5 -Projectpilot-NODE BOWGIS: Second GI2002 Strategy seminar series (11) with ESF Support BOWGIS: Start of Virtual WP "GDI-Sachsen" as the main result of GI2002-Strategy Seminar [http://www.landscape.de/visagis/visagis_0103/kurznews.html] At the 7th EC-GI & GIS WORKSHOP in Dublin the new INSPIRE Framework was created BOWGIS: Personal Letter to Saxony's Prime Minister about GDI-Sachsen deficits ! BOWGIS: NODE-Interoperability-TEST of Metadata for GeoLearningObjects / Moduls BOWGIS organized & managed pre-foundation of "GDI-Sachsen (i.G.)" Publication of ACCESS Directive 2003/4/EC & PSI Directive 2003/98/EC BOWGIS outsourced its GIS awareness and GDI-SN was re-founded as IGN e.V. GISday & COMTEC2003: 2. Sächsisches GDI-Regional-Forum (GI2003) 3. Sächsisches GIS-FORUM (GI2004-Symposium) IGN as partner in EU-FP6-Project NaturNet+Redime (NNR) "Kick-off" 4. Sächsisches GIS-FORUM (GI2005-Symposium) 5. Sächsisches GIS-FORUM (GI2006-Symposium) 6. Sächsisches GIS-FORUM (GI2007-Symposium) INSPIRE Directive 2007/2/EC entered into force after approval by EC, CEC & EUP [http://eur-lex.europa.eu/JOHHtml.do?uri=OJ:L:2007:108:SOM:EN:HTML] GI2007-X-border-NaturNet-Symposium - 7. Sächsisches GIS-Forum (Bad Schandau) Saxonian "gdi.initiative.sachsen" by Mol - State Agency of Surveying & Mapping - GeoSN) GI2008-Symposium - 8. Sächsisches GIS-Forum, Dresden 2008 [http://www.epsiplus.net/reports/gi2008_dresden_symposium_may_2008] GI2009-Symposium - 9. Sächsisches GIS-Forum, Dresden 2009 [http://www.epsiplatform.eu/reports/gi2009_dresden_symposium_may_2009] Second Draft of Saxonian GDI Law delivered for Approval to the Saxonian Parliament... 10. Sächsisches GIS-FORUM (GI2010: Euregio-X-PLAN*GIS*SDI) THE FUTURE OF X-BORDER-PLAN*GIS*SDI IN EUROPE OF REGIONS ... !?

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EUROPEAN X-GDI-PROJECTS ACROSS BORDERS OF REGIONS

Frank HOFFMANN

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ABSTRACT

Keywords: Awareness, BOW, Education, ESDI, Europe, Geospatial Saxony, GI2000, GI2010, GIS, INSPIRE, Interoperability, LifeLongLearning, NSDI, OpenGIS, PSI, Regions, Strategy seminars, Sustainability, Usability, X-border-SDI

Contents:

The “grass-roots” of todays INSPIRE Directive go back to the 90ties, e.g. starting from the so-called CLINTON Order No 12906 in 1994. This was the beginning of the foundation of OGC (*The OpenGIS Consortium* in 1995, now called the Open Geospatial Consortium), as well the start of GSDI (*The Global Spatial Data Infrastructure Conferences*, which has been transformed into the GSDI Association). At the same time the European Commission started similar initiatives at Directorate III (Industry) and Directorate VIII (Environment).

A special discussion forum was created 1997 by EC/JRC-Ispra, the so-called EGIP-List (*European GeoInformation Policy*). It ended up with intensive discussions on the **vision, mission and conception of the GI2000 Initiative** as an integrated ESDI (*European Spatial Data Infrastructure*) project, defacto ready for submission just after the **5th EC GI&GIS Workshop in Stresa/Italy** in summer 1999 but, unfortunately, it was cancelled in December 1999 in spite of demission of the European Commission.

Therefore, it should be remembered that the Head of SDI-Unit and responsible Coordinator for INSPIRE has been presenting here in Dresden seminar in 2002 already! And it was our intention to have today, 10 years after GI2000, **Roger LONGHORN**, one of the Geo officer and manager of the **GI2000** strategic concept, as the **Keynote speaker** for this GI2010-Symposium here in Dresden !

After adoption of the new INSPIRE Directive in 2007, the geopolitical decision process moved very slowly in European Member states, as well in Saxony. But finally, at April 28th the INSPIRE Data and Service Sharing Guidelines of the European COMMISSION REGULATION (EU) No 268/2010 of 29 March 2010 has been published. This Regulation is aiming to introduce open access conditions to spatial data sets and services for the EC institutions and agencies in order to give them the opportunity to harmonize and integrate geodata from all Member states in a standardized syntactic and semantic form.

As a basic rule, within 18 months from its adoption, all INSPIRE arrangements between European institutions and bodies and Member States must follow these rules! The Member states have to transpose the Decision of the Commission of the European Communities taken at December 11th, 2009, to develop implementing rules regarding *Directive 2007/2/EC* about INSPIRE metadata, monitoring and reporting process. Actually, the first *Monitoring and reporting* by Member states is due by **15th of May 2010**.

One of the main barriers and important challenge for INSPIRE geodata and geoservices harmonization is the integration of national infrastructures *across the state borders*. This prediction was obvious from a *cartographic* viewpoint from the very beginning and the goal behind our tradition of GI2000+X Seminars and Symposia, as well the foundation of IGN (the *INNOVATION. Cross-border-Network*) in 2002/2003.

Therefore, this presentation gives an overview of existing *cross-border initiatives* and *X-GDI projects* dealing with geometric and geosemantic integration of data, services and applications across local, regional and state borders. Selected X-GDI-Examples are:

X-DP-PLIS, X-GDI-RegioMRH/SH, X-GDI-NL/NW, X-GDI-RegioNRH, X-GDI-EMR, X-GDI-PAMINA, X-INFO-RegioC 68, X-GDI-SIGRS, X-GDI-CH/FR/DE, X-GDI-BODENSEE, X-GDI-SUMAVA, X-CENTROPE-MAP, X-GDI- NNR X-CROSS-DATA.

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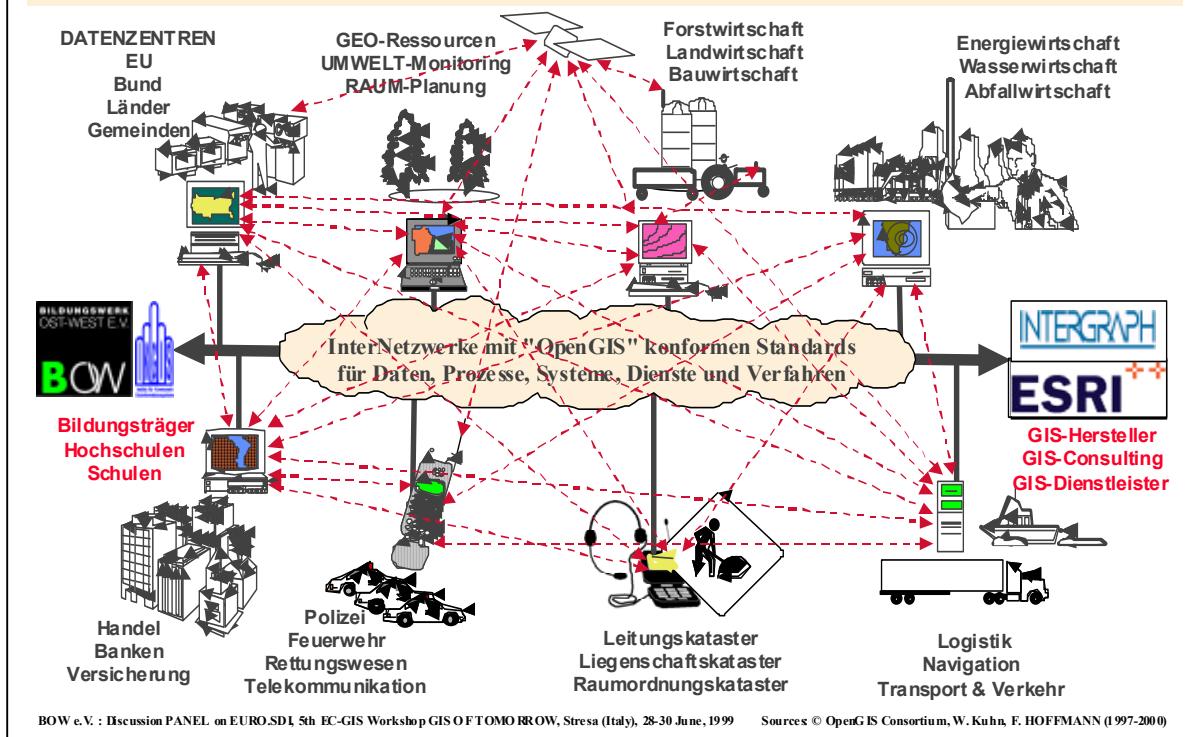


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Die Vision einer *kooperierenden Europäischen Gesellschaft*, die ihr räumliches Wissen *grenzüberschreitend integriert*, mittels *intelligenter GEO-UMWELT-RAUM - Informations-Systeme generalisiert*, auf *mobilen Netzwerken* transportiert und mittels *interoperabler Standards* für *Meta-Databasen und Geodaten-Infrastrukturen multivalent* für *Information, Kommunikation, Administration & zur Planung und Entscheidung in Wirtschaft und Verwaltung* nutzt



5th EC GI&GIS 1999 - The X-GDI-Vision of INTEROPERABILITY - "Round GIS Table" Discussion organized by EC/DG-III.
SOURCE: Statement by BOWGIS © FH (IGN e.V.) - 1999, Stresa (IT).

REFERENCES

- BOW (Bildungswerk Ost-West): *Die OpenGIS-Strategie, GeoDatenManagement und OpenALKIS. Konsequenzen für Innovation und Weiterbildung in Sachsen - GIStrategie-Seminarserie GI2000 und GI2002.* CDROM-2000 und CDROM-2002; Edited by F. HOFFMANN. Dresden: BOW 2000/2002
- Directive 90/313/EEC: *Freedom of Access to environmental information*
 - [<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:31990L0313:EN:HTML>]
- EC-GI&GIS: The GI2000-Initiatives (1995-1999)
 - [<http://www.ec-gis.org/copygi2000/>]
- EEA (European Environment Agency): *Public ACCESS to Environmental Information*
 - [<http://www.eea.europa.eu/92-9167-020-0/>]
- European Commission: *Towards a Single Information Space for the Environment in Europe*. Brussels: 15th Febr. 2008
 - [http://cordis.europa.eu/fp7/ict/sustainable-growth/workshops/ws-20080215_en.html]
- European Commission: *Environment - Shared Environmental Information System - SEIS*
 - [<http://ec.europa.eu/environment/seis/index.htm>]
- HOFFMANN: *Statement at the Final Panel Discussion*. The 5th EC-GI/GIS Workshop, STRESA: June 30th, 1999.
 - [http://www.ign-sn.de/GI2009/vision_1999.pdf]
- HOFFMANN (Editor): *GI2009-Symposium: - 9. Sächsisches GIS-Forum, Dresden 2009*
 - [http://www.epsiplatform.eu/reports/gi2009_dresden_symposium_may_2009]
- EU-INSPIRE-Forum: *IGN Profile Information*
 - [<http://inspire-forum.jrc.ec.europa.eu/pg/profile/DRESDEN>]





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EU - LEONARDO DA VINCI - PROJECT "SDI-EDU" The "Status quo" of INSPIRE Awareness at Local and Regional Level

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ABSTRACT

Keywords: Awareness, European LLP-Leonardo-Subprogramme, Further Education, HUMBOLDT, Infrastructure, INSPIRE, NaturNet+Redime (NNR), Regional Management, Regional Planning, PLAN4ALL, SDI-EDU, Spatial Data, Spatial Planning.

Contents:

Due to the INSPIRE Directive and its implementation each Member State has to transpose the INSPIRE Directive into its national legislation and to develop the interoperable services allowing the management and sharing of spatial data. There will be also *requirements on spatial planning* to accept the implementation rules of INSPIRE Directive. For two years, SDI-EDU is going to support training of spatial planners, architects, officers for spatial planning responsible to set up and use some of these services according to the *specific problems of the EU regions* on local and regional level. Thus the project will let the regions participate actively in the implementation of the INSPIRE Directive.

Spatial Data Infrastructure (SDI) is the base collection of technologies, data, human resources, policies, institutional arrangements, and partnerships that enable the availability, exchange of, and access to geographically related information using common practices, protocols, and specifications. The concept of SDI resides in ‘working smarter not harder’ by re-using data, technical capabilities, skills, intellectual effort and capital through *sharing the costs of people, technology and infrastructure*. Spatial Data Infrastructures rely on the development of policies, technologies, data, common standards, standard practices, protocols and specifications.

Within the framework of the SDI-EDU project we intend to achieve a high level of cooperation between **10 partners involved** in this project. The SDI-EDU project aims to transfer former and actual experience from EU research projects dealing with SDI and spatial planning like HUMBOLDT, NATURNET REDIME or PLAN4ALL towards *spatial planners* in European regions and municipalities.

The European regions, provinces and municipalities will use the results of SDI-EDU to promote their cultural and socio-economic heritage and to find the *Spatial Data Infrastructure* useful to the *regional management* of their territories. The SDI-EDU project consortium will test and evaluate the utilities in order to extend the dissemination and distribution of resulting deliverables to other Member States.

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References

[<http://sdi-edu.zcu.cz>]

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SUMMARY

The Project **SDI-EDU FOR REGIONAL AND URBAN PLANNING (SDI-EDU)** was accepted by European Commission within the *7th Framework Life-long Learning programme* - the *Leonardo da Vinci – Multilateral projects / Transfer of Innovations subprogramme*. The aim of Multilateral projects/Transfer of Innovations is to improve the quality of the European Vocational Education and Training system by adapting and *integrating innovative content* or results from previous Leonardo da Vinci or other innovative projects into public and/or private vocational training systems and companies.

Spatial Data Infrastructure (SDI) is the base collection of technologies, data, human resources, policies, institutional arrangements, and partnerships that enable the availability, exchange of and access to geographically-related information using common practices, protocols, and specifications. SDI consists of a framework that enables users with different mandates and disciplines to operate in a cooperative and cohesive manner to *acquire, access, retrieve, analyze and disseminate geospatial data and information* in an easy and secure way. The concept of SDIs reside in ‘*working smarter, not harder*’ by *re-using* of data, services, technical capabilities, skills, intellectual effort and capital, *through sharing the costs* of people, technology and infrastructure. SDI’s rely on the development of policies, technologies, data, common standards, standard practices, protocols and specifications. The SDI main concept is to move spatial data into Web environment and to use Web services for building network of distributed Geoportals.

The European **INSPIRE Directive** adopted in 2007 defines the standards for future European SDI. With implementation of INSPIRE initiative, there will be *strong need for awareness, capacity building and transfer of experience* among architects, spatial planners, European Regions and municipalities.

The Project consortium consists of **10** partners from **6** European countries:

- University of West Bohemia (Czech Republic)
- Help Service Remote Sensing (Czech Republic)
- Czech Association for Geoinformation (Czech Republic)
- Institute of Mathematics and Computer Science of the University of Latvia (Latvia)
- Learning Projects (Latvia)
- E-N (Overseas Networks) Ltd. (Greek)
- Šiauliai Region Development Agency (Lithuania)
- Euro Perspectives Foundation (Bulgaria)
- Municipality of Nizza di Sicili (Italy)
- STEPIM (Italy)

The main project's objectives:

- **The SDI-EDU project aims to transfer** former experience from EU research projects dealing with education in SDI and spatial planning as example *Humboldt* and *Naturnet+Redime* towards planners in European Regions and municipalities.
- **The SDI-EDU project will use innovative educational methods** coming from the Naturnet+Redime project which combines methods of distance vocational training, e-learning and knowledge sharing. This functionality allows transfer of the experience and will teach how *to deal with SDI for spatial planning for real users*.
- **Project will also transfer newest research results from the Humboldt project** and transfer it into research courses. In the team, there are already members of European research projects: **Humboldt** (HSRS) and **Naturnet+Redime** (IMCS)), who will transfer existing experience towards real users in Europe of Regions.

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SDI - EDU for regional and urban planning






Education and Culture DG

Lifelong Learning Programme

This project has been funded with support from the European Commission. This publication [communication] reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Fig. 1: SDI-EDU webpage [<http://www.sdi-edu.zcu.cz>] in 7 languages (EN & BG, CZ, GR, IT, LA, LT)

The paper will present useable project results from first phase since its Kick-off in 2009:

- the analytical outputs,
- a set of learning tools based on OpenSource software,
- remote learning philosophy,
- environment focused on existing requirements and needs of practitioners,
- and the general tasks given in implementation period by INSPIRE directive, already transposed in all member countries national legal system.

The Spatial planning procedures and Human Resources need some effective transfer of advanced and very focused knowledge to elaborate the basic geodata sets from **INSPIRE Annexes II and III**. The project SDI-EDU offers a solution feasible and useable in any member state, at any economical situation, for any knowledge background.

The key SDI-EDU value consists in flexible and quick complex **teaching methodology** and **information technology** allowing authors to create and modify the teaching context. The end users can access the lessons planned remotely, with no special technical equipment.

The project team works on learning syllabus and develops the tools nowadays. The GI2010-Symposium in Dresden will be used not only for presentation the SDI-EDU, for promoting its goals and ideas, but also for live expert discussion. The participants of GI2010 are welcomed to visit the project webpage, to comment and prove the SDI-EDU solution !

The paper describes the first version of teaching content, the universal syllabus focused on planners around all Europe. As this came from only several countries in a limited group of experts now during the first year of SDI-EDU project, therefore, the discussion and comments from different regions, countries, from practitioners working in spatial planning, active in regional and urban planning, from officials, and decision makers are now welcomed.

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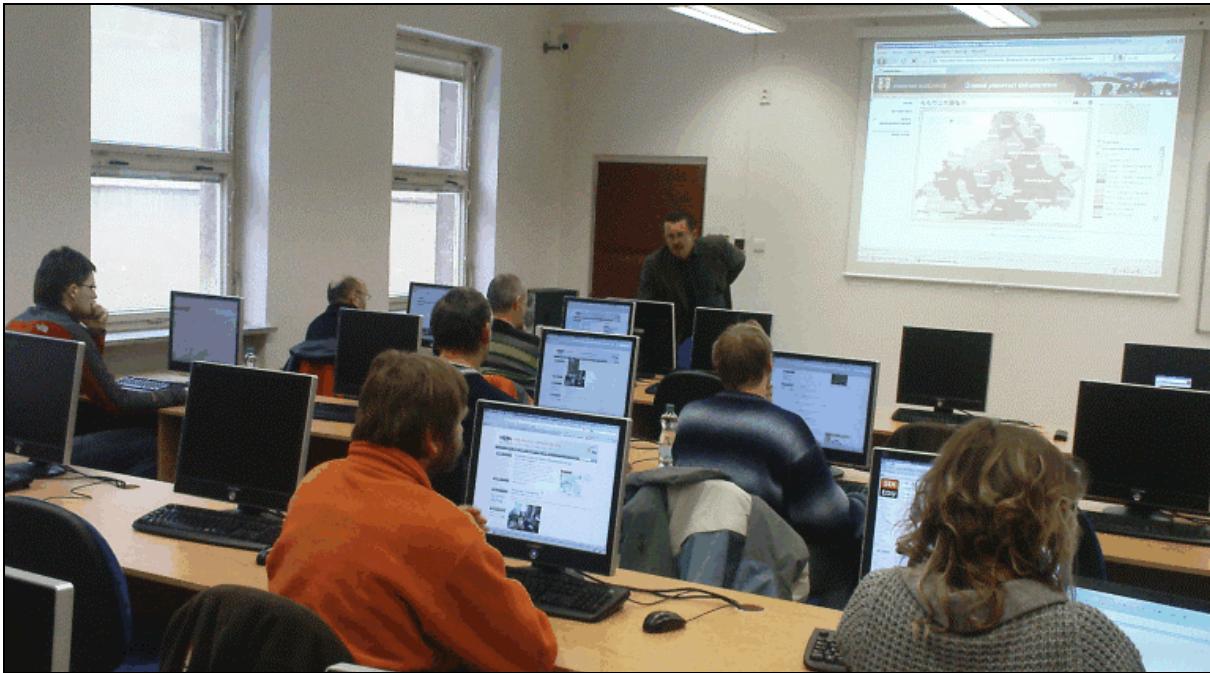


Fig. 2: SDI-EDU in practice - Project meeting combined with classroom teaching

In summer 2010 the first version of teaching lessons will be tested on selected pilot target groups. They will be the active experts and practitioners, participants of regular planned events, as example the **Spatial planning & GIS-Seminar “UP-GIS”** in Bitov (CZ) [<http://www.cagi.cz/upgis>] or at **Kozel-Seminar** (CZ) in September to mention the events nearest to Dresden.

In our focus are both the national level stakeholders (ministries, planning institutes, leading planning ateliers), and **the regional administrations and urban planners**. To describe the whole portfolio SDI-EDU uses illustrative **use cases** from European, national, regional, and even local scales. **The targeted end users** – specialized, but ordinary public active in planning processes – have to fully understand the meaning and consequences of INSPIRE, of **complex and harmonised spatial information**. The lectures are based on existing situation and open questions, therefore, **learning by doing** is one of key teaching methods.

Using the former European projects outputs and knowledge the SDI-EDU team aims to a new kind of learning services. The **end users** will have much greater opportunity to **influence the teaching content**, the administrators will be able to **modify the prepared templates**, the applied **Open Source licensing methods** opens completely new approach to cheap, focused, and though distributed, yet enough centralised learning system.

INSPIRE caused changes in the amount of accessible geo-data, therefore, the end-users need to find and understand the geo-information better, the **SDI-EDU serves to transfer the innovative technological tools and modern learning methods** to assist them.

Explore the project webpage [<http://www.sdi-edu.zcu.cz>] and check the developing status and planned results.

Your feedback and experience are asked and welcomed !

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DISCOVERY SERVICE TESTING ACCORDING TO INSPIRE IMPLEMENTING RULES

Tomas Kliment

Slovak University of Technology in Bratislava – Department of Theoretical Geodesy

ABSTRACT

Keywords: *discovery service, GIS, ISO, INSPIRE, implementing rules, metadata, OGC, standards, technical guidelines, testing, W3C*

Contents:

Standard approaches to development of Geographic Information Systems (GIS) as standalone applications are nowadays obsolete. New approaches are progressively supported by recent Web technologies. This collection of technologies together with relevant policies and institutional arrangements for providing the availability of discovery, evaluation and access to spatial resources is referred to term Spatial Data Infrastructure (SDI).

One of the key elements of SDI is discovery service (DS). The main objective of DS is to help users of SDI in discovery, evaluation and retrieval of the most appropriate geospatial resources according to their needs and requirements.

DS must be accessible via Internet hence it is necessary to implement this service in accordance with standards for their communication and interfaces. Here are the main standardization bodies International Organization for Standardization (ISO), Open Geospatial Consortium (OGC) and World Wide Web Consortium (W3C).

Since year 2007 the member states (MS) of European Union are obliged to implement DS in accordance with INSPIRE directive. INSPIRE aims to create European SDI. To reach this goal, European Commission has developed and is further developing documents on the basis of standards developed by above mentioned bodies. These documents that should help MS to implement particular components of national SDIs are:

1. Implementation rules - providing the legal mandatory set of provisions;
2. Technical guidelines - supporting the implementation allowing the flexibility to accommodate emerging user requirements and technical progress.

This article presents the results of testing the DS deployed by Slovak Environmental Agency (SEA). The main objectives of the test have focused on these aspects following INSPIRE directive and related documents:

1. Discovery service operations
2. Discovery service queryables
3. Multilingual aspects of discovery service
4. Metadata quantity and quality

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DESIGN OF AN AMATEUR SURVEYING AND ALIGNMENT SYSTEM FOR OSM ATTRIBUTE DATA COLLECTION

Project developments by OpenStreetMap Community Members

Thomas KLOSA et al.

OpenStreetMap Community Members - DRESDEN

ABSTRACT

Keywords: Collecting Georeferenced Data, Creative Commons, eExplorersPal, GPS, OpenStreetMap, Surveying and Alignment systems

Contents:

eExplorers Pal is a new project to develop a hand held system to collect georeferenced information. Primary objective is a system to support the members of the **OpenStreetMap** community. Part of the project is the development of a documented hardware platform, as well as software development to collect any kind of attribute data of interest.

Actually, an **OSM-Surveyor** is using a mixture of **GPS logging, paper notes, voice recordings, photos** and a lot of his „**brain memory**“. The map information is created in a later step, when back at home.

Our intention is to provide a tool where people can store the map **attribute** information already outside during the field work. The information will be stored in a way to minimize the editor work afterwards. The software should **guide the surveyor** to collect all data required.

References

OpenStreetMap [<http://www.openstreetmap.org/>]

eExplorersPal - Project Page: [<http://www.explorerspal.org>]

OSM-Dresden-Community [<http://wiki.openstreetmap.org/wiki/DresdnerOSMStammtisch>]

OSM-Dresden [<http://www.openstreetmap.org/?lat=51.02&lon=13.735&zoom=11&layers=000BFFF>]

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THE EU-FP7-CIP-PROJECT "BRISEIDE" - ANALYTICAL CAPABILITIES ON REGIONAL FLOOD GEOPORTAL

Irena KOSKOVA & Karel CHARVAT

KULK, Liberec (CZ) & CCSS, Prague (CZ)

ABSTRACT

Keywords: Floods protection system, GRASS-GIS, OGC, PyWPS, SDI, Standards

Contents:

Digital Flood Plan of Liberec Region outcomes from Flood plan of Liberec region. It has been elaborated by *Help Service Remote Sensing* (Benešov) in cooperation with **GIS-Sector** in the Department of Rural Development, Agriculture and Environment of the Liberec Regional Government (KULK). Its functionality is continuously evaluated and updated in cooperation with the **Regional Fire Rescue Service** of Liberec Region, Department of the Crisis Management, with several **Municipalities** and with the President of **Czech Flood Protection Association** as the expert in flood protection.

The solution is based on **Open standards** (OGC, W3C) and also on **Open Sources Software**. Due this fact, the transferability to other regions and countries could be relatively easy. The whole system is modular built-up and the customization for local conditions could be realized relatively easy. For the on line analysis several functions were implemented using **PyWPS library**, which is one from the implementation of standards of OGC for Web Processing Services (WPS). It will be applied and extented for the FP7-CIP "BRISEIDE".

The **OpenGIS® WPS Interface Standard** provides rules for standardizing inputs and outputs for geospatial processing services. WPS server can be configured to offer any sort of **GIS functionality** to clients across the network. The process can be a simple **calculation**, like putting raster maps together or **making buffer** around vector feature, as well as **complicated models**, as for example climate change model.

- The main goal of WPS is that computational high-demanded operations are moved from client stations (general desktop PC) to server.
- The main goal of PyWPS is that, from the beginning, it has been written with direct support for GRASS-GIS.

Consequently, PyWPS can be conceived, as a kind of **translation library** which **translates** requests complain to WPS standard, **overhands** them to GRASS-GIS or other command line tool, **monitors** the calculation progress and **informs** the user and, after the calculation is completed, it **returns** its result. PyWPS is released under terms of GNU/GPL license.

References

Regional Flood Geoportal [<http://povoden.kraj-lbc.cz>]

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URBAN STUDY: PODHORSKÝ PÁS – BRATISLAVA GENERAL SITUATION OF THE STUDY AREA Current state and the proposal of development

Bohumil KOVÁČ & Denisa FILIPEKOVÁ

Slovak University of Technology - Bratislava (SK)

POSTER - STUBA 3

Keywords: Bratislava, Development perspective, Housing, Infrastructure, Podhorsky Pas, Urban Services, Vineyards.

Contents:

The study object is a part of the hill area over the city of Bratislava with vineyards.

This poster gives an insight on the geographical location of the study area in the context of Slovak Republic and in the context of the city. It represents the current situation and gives general description and also shows current problems the study location is dealing with.

The city of Bratislava is a capital city of the Slovak Republic. This topic is one of the hottest and currently most discussed urban topics in the city.

This project “*Bratislavské visuté záhrady*” has an ambition to become a project of high importance for the image of the city and also for the quality of life in the city. The proposals for the possible future development of the area were achieved by using Geographical Informational Systems (GIS).

The compilation of such data layers as Master plan of Bratislava and the Master Plan of the zone “*Podhorský pás*”, georeferenced orthophoto map and cadastre information were processed in different software systems: Archmap, MapInfo, AutoCAD, Google Maps, Google SketchUp, Adobe Photoshop and Adobe Illustrator.

References

[<http://a-atc.sk/MobEx/>]

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CARTOGRAPHIC TOOLS FOR HEALTH DATA PRESENTATION

Petr KUBICEK & Zdenek STACHON; Edvard GERYK; Radim STAMPACH

Masaryk University & The University Hospital - Brno (CZ)

ABSTRACT

Keywords: *cartographic analysis, complex maps, health data, mash-ups, portal, tools, visualization.*

Contents:

Cartography provides various tools for geographical data visualization. The topic of **health data visualization** is one of applications where the usage of **cartographic tools** is underestimated. Cartographic outputs can be very useful for common people, as well as specialists in **health and civil services**.

This paper describes the **web portal for medical data presentation** focused on different groups of users. The web portal contains tools for data visualization with different levels of **cartographic complexity**, e.g. simple static maps, tools for exploratory cartographic analysis and spatio-temporal data visualization, and **innovative cartographic “mash-ups”** with existing global map sources (*GoogleEarth*).

References

NPVII Ministry of Education, Youth and Sports Project No. 2E08028

[<http://zdravi.geogr.muni.cz>]

Authors

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GEOGAME COMPETITION

Interesting Cities in Europe and USA -
(The 1st Place in National Competition)

MILAN KUCERA

Gymnasium Božena Němcová (GYBON) - Hradec Králové (CZ)

POSTER

Keywords: Amsterdam, Berlin, Brussels, Budapest, cities, Copenhagen, Dublin, Europe, geo-game, historical monuments, London, Monaco, New York, Oslo, Paris, Prague, Rome, sightseeing, USA, Vienna, Washington.

Contents:

The main aim of this **geo-game** is to help secondary school teachers attract student's attention during geography classes and to present European and American cities with their historical monuments in an interesting and entertaining way which will arouse lively debates. After having played this **geo-game** students should have a clue about geographical position of these cities and their history.

To reach this goal we have chosen several **European and American cities** with interesting history, so that we could use as many photos as possible. For the purpose of publishing the **geo-game** on the Internet we have the copyright for all the photos. The database contains about **150** photos in order to not repeat them very often.

After having the photos prepared (resized etc.) we located all the places and historical monuments into the **Google map**. Then we added some general information as advice, so that students could find the places/monuments on the Internet, and also some additional information or curiosities to attract their attention.

During the **geo-game** students are supposed to **locate places and monuments** using given pieces of advice. Once located in the map the application tool analyses the **distance** between the real place and the marked by student spot. The distances are counted together and teachers can evaluate students awareness.

Finally, we can say that this **geo-game** has accomplished our goals because it is being used now at several **primary and secondary schools** in our city.

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Milan KUCERA

Student at Gymnasium GYBON

Tutors

Mgr. Zuzana Paulů, Mgr. Martin Vojta

References

[<http://geogame.kraj-lbc.cz>]

[<http://env.kraj-lbc.cz/mapserv/geohra/>]

[<http://env.kraj-lbc.cz/mapserv/geohra/geohra.php?hsid=77&style=&lang=cze>]

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KOMMUNALE, REGIONALE UND OPENGIS*GDI STRATEGIEN - UMSETZUNG MIT CAIGOS

Frank LEHRACH & Frank LEIBROCK

GIS Konzept Leipzig GmbH, Leipzig & CAIGOS GmbH, Kirkel (DE)

ABSTRACT <> WORKSHOP

Keywords: Archikart, CAIGOS-Globe, DesktopGIS, GDI, Geodaten, INSPIRE, Kommunale Lösungen, NAS-Schnittstelle, OGC, SOA, Services, Standards, Open Source, WebGIS, WFS, WMS.

Abstract:

Die treibende Kraft in der IT-Industrie ist das Internet. Davon hängen auch die Entwicklungen im GIS-Bereich ab. **Service-Orientierte Architekturen** (SOA) liefern völlig neue und effiziente Ansätze bei der Implementierung von **kommunalen** Lösungen.

CAIGOS Produkte basieren auf **serviceorientierten Architekturen**. Dies gilt sowohl für Desktop-GIS als auch für Web-GIS. Somit ist bereits im Desktopbetrieb der Zugriff auf **verteilte Funktionalität** und Ressourcen möglich. In diese Systemarchitektur sind Dienste zur Kommunikation mit externen Diensten integriert. CAIGOS stellt einerseits Dienste zur Verfügung, um **WMS-Dienste** einzubinden, kann andererseits selbst **WMS- oder WFS-Dienste** bereitstellen.

CAIGOS Anwendungen nutzen sowohl für Desktop-GIS und Web-GIS, als auch für Auskunft oder Datenerfassung eine Programminstallation, die jeweils auf die **gleichen Dienste** zugreifen. Damit können sich **Desktopanwendungen und Webanwendungen** einander ergänzen. Es wird ein zentraler Datenbestand genutzt. Die Lizenzen und Rechte sind dabei frei skalierbar und sind zentral für das ganze Netz zu administrieren.

CAIGOS Kunden binden selbst verschiedene **WMS-Dienste** ein, stellen aber auch selbst Dienste für interne oder externe Zugriffe bereit. Dienste können neben den **Geodaten** selbst auch **Programmoberflächen** und -funktionen bereitstellen, die in andere Applikationen integrierbar sind. Somit kann **CAIGOS-Globe** auch in das **Liegenschaftsinformationssystem ARCHIKART** eingebunden werden.

- Wir stellen den **Mehrwert** von flexiblen **Standardprodukten** gegenüber **Open Source Lösungen** dar.

Die **Datenbereitstellung über Dienste** bietet einen hohen Mehrwert, kann aber eine eigene Datenhaltung nicht in jedem Fall ersetzen. Die CAIGOS Produkte umfassen Schnittstellen für den Datenaustausch (z.B. *NAS Export/Import*, *ALKIS*, *X-Planung*).

References

- [www.geoportal-saar.de]
- [www.stadtplan.ludwigshafen.de]
- [<http://www.gis-konzept.de>] & [<http://www.CAIGOS.de>]

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DISCOSM - THE WORLD AS A DISC A PROTOTYPE WEBGIS-STACK WITH LIVE RENDERING

Lars LINGNER

LINGNER Application Software Developer - Potsdam (DE)

ABSTRACT

Keywords: DesktopGIS, live rendering, MapFish, Mobile computer, OpenStreetMap, OGC, PostgreSQL, Postgis, Project discOSM, UMN MapServer, WebGIS-Stack, WMS.

Contents:

The project discOSM demonstrates the ability to use a **complex map rendering environment** in offline modus. The **OpenStreetMap** project collects worldwide geospatial data. The volume of this data is increasing constantly. But for some use cases only a small map extract is needed. One goal of the development of **discOSM** was to create an environment which can be used to build live CD's full automaticly based on an extract of freely available OSM data.

Through the pre-rendering of tiles and caching of them one can accelerate an webgis application. The down side is, you are giving up features like en- /disabling layers, querying of features or the use of individual zoom levels. discOSM uses **live rendering** to show that these features are valuable for special use cases.

The **UMN MapServer** is used for the rendering process. It is configured to offer an OGC conform web map service (WMS). That enables the user to query this service from other workstations where DesktopGIS software is running and can be used in daily work.

But even in case that only the machine running discOSM is available, you can view and interact with the OSM geodata. It contains a nice looking frontend based on the MapFish framework. You can view and query the map, pan and zoom it, use the measure functions or enable and disable different layers.

The typical use case is the offline usage. There are still areas in the world where no internet connectivity is present. Or if you are doing a survey you can simply take an mobile computer with you and have your data available on request. Although the offline usage is the main use case, it would be very easy to let the user include URLs for other web map services.

Further development is planned to include a printing function as well as a search function. The whole stack, from database to map and web server to the frontend is also available for an **online preview** at:

[http://www.LINGNER.eu/discosem_online] - That's the online test platform where the development takes place.

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References

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EUROPE OF REGIONS

Cross-border Public Sector Information (PSI)

Cross-border Infrastructure of Spatial Information in Europe (INSPIRE)

X-PSI <> Interregionale Zusammenarbeit <> X-INSPIRE

Implementierung der EU-Direktiven PSI-2003/98/EC & INSPIRE-2007/2/EC

INNOVATION. Grenzüberschreitendes Netzwerk



FROM GI2000 HISTORY TO SUSTAINABILITY OF INSPIRE – THE CHALLENGES AHEAD

ROGER LONGHORN

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ABSTRACT <> KEYNOTE

Keywords: Directives, EC, GI2000, e-Government, INSPIRE, Public Sector Information, Regional Spatial Data Infrastructure, Sustainability.

Contents:

Publication on 25 April 2007 of the **INSPIRE Directive – Infrastructure for Spatial Information in the European Community** - (Directive 2007/2/EC of 14 March 2007) was the conclusion of a process to define a legal requirement for a pan-European spatial data infrastructure that began in 1995 with an earlier initiative, called **GI2000**. Many who are involved in implementing the INSPIRE Directive today were also involved in that prior initiative, as experts at numerous meetings over a four-year period during which the content for a pan-European SDI was being considered. For various reasons, the GI2000 work ended without achieving the planned Directive, although the lessons learned, knowledge shared and network of experts developed during that exercise were valuable later.

Preliminary work on what is today's INSPIRE Directive began as early as 2000 with some EU-funded projects that kept the concept alive, **leading finally to the INSPIRE Communication** from the Commission on 27 July 2004 (COM(2004) 516 final), a **Memorandum of Understanding** signed by three EU Commissioners highlighting the importance of geospatial data and the infrastructure needed to collect and share that data more effectively in April 2002, and eventually the **Directive 2007/2/EC** itself in 2007.

• CREATING SDI's IS A COMPLEX LEGAL AND TECHNICAL PROCESS !

Now that implementation of INSPIRE is underway, new challenges are arising that are **technical** (e.g. evolving standards and ICT), **organisational** (e.g. understanding information culture), **financial** (e.g. human resources) and **legal** (the political process) in nature.

The Directive's own implementation **timetable** stretches to 2019 – and probably goes beyond as many EU Member States have yet to even formally adopt the Directive by the next **target date as of 15 May 2010** !

• SDI's ARE NOT CREATED QUICKLY !

Linking SDI to wider national and regional information infrastructure, including evolving eGovernment initiatives, is **even more challenging** – and one in which important links seem to be missing today at both national and regional levels.

Therefore, this presentation explores those challenges and seeks to identify a sustainable path for a cost-effective way forward. **Sustainability is the key** – and there is as yet too little information available to indicate how the pan-European SDI will be maintained once implemented, other than by governments realising and accepting the **added value** that information infrastructures bring to whole **economies and societies**.

URL: Official INSPIRE Directive website [<http://inspire.jrc.ec.europa.eu/>]

Author

Roger Longhorn

References

GSDI Association Chair Legal & Socioeconomic Committee; Information Policy Advisor, EUCC – Coastal & Marine Union, NL; Advisory Board, LAPSI Project – Legal Aspects of Public Sector Information; Correspondent, European Public Sector Information (ePSIPlatform); Advisory Group, OneGeology-Europe; Communications Strategist, GIS4EU; Reference Group Member, ESDIN.

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SPATIAL MODELING OF IMPORTANT CONSTRUCTIONS IN KYJOV REGION – THE CHANGES IN A WINE REGION

Jitka Machalová & Petr Passinger

MENDEL-University, Brno (CZ)

ABSTRACT - POSTER MUB

Keywords: South of Moravia, Spatial Modeling, Spatial Analysis, Wind-power, solar power, Local Authority

Contents:

Kyjov Region is a small part located in *Southern Moravia*. It is a typically wine region.

A lot of constructions like wind-power-generators, the solar-power-units, ...etc are built in this nice wine region in the south of Moravia and changes the character of this landscape. The interference between the need for protecting the countryside versus using the landscape is very high.

This poster shows some examples from Kyjov region, and includes analysis for better understanding of these **problems**. The poster shows the modeling by combination of the graphic tools and geographic IT **for decision making** of the local authority.

ESRI software has been used, such as ArcMap, SpatialAnalyst, and the 3DAnalyst. Background data: ZABAGED, ortofoto GEODIS.

References

[<http://a-atc.sk/MobEx/>]

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BENEFITS OF INTEGRATED INFORMATION SYSTEMS FOR ADVISORS, FARMERS AND VERTICAL AND HORIZONTAL CHAIN PARTNERS

Walter H. MAYER

PROGIS Software GmbH, Villach (AT)

ABSTRACT <> KEYNOTE

Keywords: Advisors, Agrarbetrieb, Agriculture, Business, Consumers, economical benefits, Environment, Farm of the Future, Food Guidelines, Forestry, ICT-Technology, Land management, Logistics, Precision farming, Risk management, Security, Vision of the Future.

Contents:

The food insecurity situation is effected by global warming, population growth, focus on bio-energy, low technology acceptance, unfavourable policies, sustainability criteria, changing natural risk-situation, subsidies etc. Sustainability-, agriculture-, forestry- and environmental targets belong together and influence each other.

Therefore, we need new types of ICT based land management,

- covering protection of land and biodiversity,
- ensuring sustainable management based on multipurpose use of land,
- optimising economical benefits and
- taking into consideration land use potential and its carrying capacity.

ICT technologies, integrating science based expert data, easy to use software and manageable precision farming technologies will be essential to achieve sustainable bettering.

Large and small farms must have access to know-how, equipment and technologies to optimise food production processes in order to reach nutritional- and/or biomass targets.

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SUMMARY

We summarize subsequently the benefits of integrated technologies where farmers, advisors, contractors, supply chains, industries and consumers are integrated:

- **GIS** gives detailed information on size and location of fields - base for calculation and logistics.
- **Farm management tools** allow cultivation planning, documentation (also GLOBALGAP), nutrient- and CO₂-balance, cost calculations and provide information for trust centers or farm advisory services.
- **Logistic solutions** with central and mobile GIS systems allow planning of complete regions and serves farmers, food-industries and contractors. Meteo-data allow better decisions.
- **Business-plans** assist cooperation with banks and insurance companies.
- **Machine interfaces** allow the set up of precision or virtual farming solutions for groups of users, to do statistical analysis for regions or countries and a possible upgrade with forest- or environmental caretaking solutions.
- **Risk management solutions** can help to better defining and measuring farmer's integration into environmental caretaking.

THE OVERALL CONCEPT - “AGROffice”

- to support farmers or foresters – in the future I use the item “farmer” for farmers and foresters - and their horizontal and vertical chain-partners with new ICT technologies that allow them to work better,
- to lower costs, to increase benefits and also
- to lower environmental impact or increase the natures capability to lower natural risks.

This means beside detailed know how the farmers or their chain partners needs, a detailed know how of the nature and their capabilities, as well as an overall organisational structure and concept is necessary, either already available or to be set up. The farmers worldwide must be enabled to work for the production of food for **10 billion** people after year **2050**, for a sustainable and CO₂-neutral bio-energy production, as well as for environmental caretaking and natural risk management.

TECHNOLOGIES BEHIND – The “WinGIS + Applications”

After a development cycle of nearly **15** years including thousands of installations are available in more than **20** countries:

- **an object-oriented GIS (Geographical Information System)** with hybrid raster- (images) and vector-processing (polygons, lines, symbols, text etc.) named **WinGIS** is available that beside the location and the link of an object to a database with an internal or external database also enables the use of
- **an SDK (Software Development Kit)** to link any database with AJAX-technology to the underlying GIS component, as well as to develop customized user-interfaces with tools that allow an **integration** of time and activity management as well of
- **an expert information system.**
- Since **2009** in cooperation with Microsoft, their worldwide available **Bing maps** [www.bing.com] – also other maps can be used instead or crunched – are linked to the system and allow to work in any country worldwide immediately. Also a **Google maps interface** is available.
- Furthermore, around **20 applications** are supporting agriculture, forestry, environmental caretaking and risk management, as well as the integrated chain-partners.
- Last but not least, we also are working as a **system integrator** and link existing other technologies to the system. Samples are: *Weather stations, Mobile equipments, RFID technology, GPRS or UMTS communication etc.*





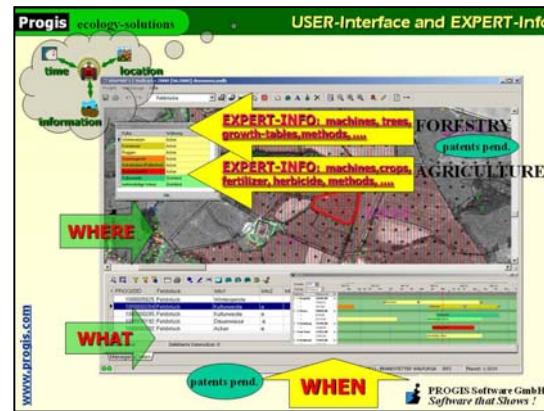
USER INTERFACE

The key target was to develop a user interface that allows the farmer or the advisor or on the mobile equipment also the tractor driver easy to learn and to use the interface that was improved to a 4D-GIS with the 4 elements hybrid geography, a database, time- and activity management and downsize-able expert information.

FARM MANAGEMENT – “DokuPlant”

It is based on **an expert system** that can be developed and sustainable maintained by local agricultural experts and contains all machines and their costs and efforts per area (ha, acre etc.), all pesticides with their chemical active substances, all organic and inorganic fertilizer with their nutrient contents as well as all the crops and varieties.

Further based on this content all the activities during a year or a crop season have to be foreseen in all details for all crops, e.g. to grow maize needs step no 1 a tractor and a plough, step no 2 a tractor with a fertilizer equipment linked and NPK fertilizer and so on. The average farmer or advisor can just use the expert info; the upgraded user can maintain expert data himself and modify them according his use.



This allows planning of all details with a click on a polygon on the map – representing the field and either to be drawn on the raster-map or with GPS points to be imported – and select a crop – with all the details of the expert information in background. The rest is just output. Besides planning during the year, all the done activities have to be recorded, either with manually input or with a link to mobile equipment.

On output following possibilities are foreseen for a field or for the complete farm:

- Calculation of costs, returns or contribution margins,
- calculation of nutrient balances (or also energy- or CO2 balances),
- documentation of all activities and
- transfer of the data (or part of them) to chain partners or to a trust centre (see later), sending a subsidy claim to a ministerial IACS system (EU(27) only) or to any other host computer and creating a thematic map.

What can be done for a single farm can be managed on one PC for many farmers with advisors. It allows also comparing anonymously crop statistic of different farmers. Naturally the advisors also know the use of fertilizer, pesticides or seeds etc. for their regions; several advisors can be bundled to a region and many regions to a country. A new ICT based advisory system can be set up – details see later.

FOREST MANAGEMENT – Forest-Office

Beside agriculture also forestry can be managed – this in two forms: Farm forestry as a part of the a.m. management just that the time is not 6 months but 80 or hundred years and the activities are managed as part of the existing expert system.

Further a detailed **forest inventory and forest management application** is available – **Forest-Office** – that manages in a plot based or even statistical based manner any forest enterprise or many of them with an advisory tool. Local growth tables are available and must be managed once per country by local forestry experts.

Based on the measurements on location like habitat data also wood data, e.g. relaskop measurements for volume per stand and growth per stand and their later input (manually or digitally), lots of output processing for compartments or for the complete forest enterprise can be done like: *inventory and reserve, growth data,*



planning data, grouping on areas, graphic output for age and sort distribution, any thematic map, age distribution, general description of sub-department, tree sorts, quality distribution, harvest categories, age distribution, growth acc. sorts and age, quality distribution, volume per region, general descriptions, harvesting plans, damages per type and region, planned sanitary cutting etc.

OTHERS – COMMUNITYGIS AND PIPEGIS

Beside the agriculture and forestry applications further solutions are available for community management, as well as pipeline management to be able to cover complete rural areas on demand.

HORIZONTAL INTEGRATION

As the farmer is in many cases not working alone but in cooperation with neighbours or in cooperatives, an intelligent ICT solution has also to reflect the so called group needs and the integration of the farm management system or parts of it into these group needs. Naturally large farms can be seen as “one owner horizontal integrated fields” that also can use the successive applications resp. technologies. Important during the development cycle was the setup of the technology in a manner that also small farms can be integrated and benefit from these new and exciting technologies with the help of a service provider.

LOGISTICS – Logistic centre and mobilGIS

is the – GIS based - know how of all the locations of different fields integrated in a control centre that guides the machines and/or trucks to a field with GPRS/UMTS communication to a mobGIS.

The local driver can answer with a push of a button that he got the contract “Where to go and what to do” and later on responds when he finished his works: e.g. how many sugar beets put for later pickup. The update frequency is software depending, in practical work we use 30 seconds what is more or less online.

When the central GIS knows where e.g. the sugar beets (*sugar beet was the first project, today it is open to ALL crops*) to pick up goods, it sends another contract to a pickup machine and this machine invites based on the knowhow of how many tons to be loaded, two, three or four trucks that are linked with e.g. a **TomTom** routing tool.

When the truck is loaded, **mobGIS** transfers the dataset into an RFID that is located on the truck and the truck drives to the factory that get a just in time delivery of let's say 100 trucks a day – and not 50 or 150 because both would cause problems. Crops and data are then unloaded!

In the same manner as a contract can be send from a control centre to a mobGIS, a farm management tool, DokuPlant, can send a contract to the control centre that manages the use of machines. Suddenly we see how farm-management tools, control centres and mobile equipment can work integrated together. In a small farm structured region, the control centre will be driven by a local service organisation, e.g. a chamber, a machine cooperative etc., large farms will run this centre themselves or cooperate with smallholders.

PRECISION FARMING - WinGIS based PF tools

Precision Farming is, based on lots of detailed data of the soil, the variable rate application with m² detail for fertilisation and spraying on the fields. The technology needed is on one side the input of e.g. soil lab results, **Rapid Eye satellite images** with chlorophyll data or using data of the Sebal field look model or any other information that might help to define better where should be fertilized/sprayed how much (soil maps, crop rotation, ...), further the defining of maps – a WinGIS job - that show the variable rate application and transfers it to the server that forwards a precision farming contract towards the **mobGIS system** on the tractor.



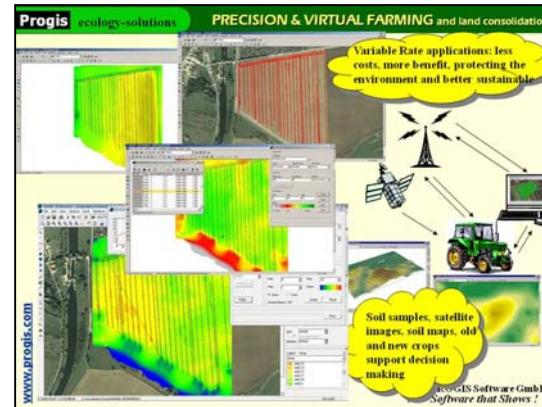


There, with a bluetooth interface, a standard tractor console can read the data and trigger the fertilizer or sprayer equipment with the map content. After finalising the work the information “*what has been done*” is registered and sent back via server to the **farm management tool** where it can be embedded. The technology of transferring maps is working, the ISO/CAN buses makes the interfacing not yet a 100% plug and play but coming closer to it. **The key question stays:** “*Based on which field information the decision of the variable rate application is done?*”

VIRTUAL FARMING

Is the integration of several small plots – small and bad shaped – to a larger plot that can be easier maintained with machinery. The cost difference might be **50%, 100%** or more depending on size and shape. When it is possible to protocol with precision farming the costs and later on also the earnings per m², we can also define how much farmer A or farmer B gets in return, precise calculated.

In Germany we are running the first test cases with excellent results and also acceptance of the farmers based on significant cost reduction. You can run in such a manner one or several activities on a field. Pre-condition is a contract between farmers. They might be organizing it by themselves or the government sets incentives and is supporting it with land consolidation units.



LAND CONSOLIDATION – WinGIS and Z-GIS-application

is the optimizing of bad structures (*fields far away from the farm, bad shaped, to small, bad infrastructure etc.*) to better ones and is normally supported by government. The Lower Austrian government is using **WinGIS** and a **Z-GIS-Application** for land consolidation throughout the country. The data are gathered digital from a large cadastre system and are managed within WinGIS and Z-GIS with all details that are needed.

After finalising a project the accepted results are stored back to the cadastre system. The huge advantages are:

- Variants can be calculated “**on the fly**” in front of involved farmers;
- Acceptance is high,
- Decisions are faster and visualized information supports the results.
- Cost reduction of land consolidation is significant, as well as a faster project cycle could be reached.

ENVIRONMENTAL AND RISK MANAGEMENT - FOMUMIIS

More and more people start to understand that agriculture and forestry are producing more then food and wood only. Clean water, fresh air, nice landscapes, less risks, sequestered CO₂ or better recreation possibilities are only some samples of the many benefits the nature produces. In general those benefits are economical, ecological or socio-cultural.

With nearly ten billion people on the globe after 2050, human society will demand more multiple products and services from the – *sustainable managed* - global resources, but it has to be clear that services can't be free of charge and someone has **to pay the real costs** of the technical production without any degradation, staying within the natural carrying capacity.

FOMUMIIS is an expert tool where experts describe the needs of information to be gathered on the field and then it is calculated the weighted capacity of single landscape elements against some predefined targets. Farmers can optimize the model due to their work and increase its capabilities.

The first large project was set up in Austria with the national railway organisation where local farmers on their steep forests work with the target to protect with their forest – *growing bushes, no clear cut etc.* – that stones fall down on the rails and might hit a train. Experts described the “*to do's*” and the farmers get paid for implementation.

New projects together with **UNIDO** are ongoing.



Based on these examples, **millions of new workplaces** within rural areas can be setup in the next years and farmers will have beside food/wood and energy as well a third leg to stand on, environmental caretaking and risk-management. *We have just to set up targets for the benefit of all of us!*

VERTICAL INTEGRATION

The farmer is also linked within his chain of suppliers and buyers, complexity of agro-chain management compared with a producer of a car is much more complex because of the enormous different structures of **farmers** (*1 ha till 100.000 ha+*) and **buyers** (*single person till food-giants*) or **suppliers** (*also one-man shows till giants*).

CHAIN MANAGEMENT

The behaving of large market partners is mainly driven by their own interest – *you farmer have to enter your data in my homepage...* The Agri Ministers in Europe started this with the **IACS** subsidy systems.

The farmer has not yet really neither a chain management technology with IT, nor is able to handle many homepages of buyers or suppliers or public players to enter information about always the same field: **where** he is buying seeds and fertilizer and **where** he is getting subsidies and **where** he is using pesticides and **where** he needs services and **where** he is selling all or part of it to one or more buyers. This has to be handled by an **intelligent farm-management-system** that distributes the information that the farmer wants to share with different market partners. The **DOKUPLANT** system has embedded such a possibility, that the farmer/advisor defines, who will get which information.

TRUST CENTRE

Instead of sending the different data to many users, all data can be sent to a so called trust centre that manages the **access rights** to the data. One IT centre for all chain partners, setup with new cloud computing technologies. An ideal **model** will be a trust centre that is managed by a consortium of market partners, country by country, and where partners define bilaterally who gets which information and the Ministry can act on a legal base to have access to the information in a worst case scenario. Such a shared trust centre will reduce the costs for every market partner to a reasonable sum.

OPEN SPACE NOTARY'S OFFICE

In a second step several partners can agree to build on top of a trust centre a so called regional or country wise “*open space notary's ICT*” that is owned by the summary of all farmers.

SYSTEM INTEGRATION

SITE ANALYSIS AND SOIL MANAGEMENT

As base for precision farming precise soil information will be needed; for that intensive cooperation with soil-labs is necessary. Beside labs also the cooperation with data sets coming from satellite (Rapid Eye and their chlorophyll maps or the Sebal Model from NL) will enhance the recommendation data sets. The better the data, the better the PF results.

AGRO METEOROLOGY INTEGRATION

Weather stations are today able to measure for one microclimate all important weather data incl. also soil moisture data and transfer them via GPRS (offline data-storage also available) into e.g. WinGIS for further processing. Based on expert models decisions about spraying can be done very precise and farmers can be informed via SMS where to spray when and what. The focus is on reduction of sprays per crop season and so reduction of environmental impact. Weatherstation models can be together with advisory services set up countrywide and normally have a ROI (*Return On Investment*) of **1-2 years** at the most.

ENERGY AND CO₂ BALANCE

Every work of farmers is involved with energy and/or with CO₂; when a farm management system like **DOKUPLANT** counts every step, the energy/CO₂ impact of this step (e.g. driving a tractor with a plough or fertilising so many kg NPK per hectare) can be counted by standard data out of an expert dataset. If one counts all activities on the field you are able to calculate a CO₂/energy balance on the field. The same is valid for a farm, for a region or for a country. A control can be done easy with statistical sampling.



Such a model gives the possibility to calculate incentives for farmers that work with a positive CO₂ balance, e.g. they increase the wood stock or they increase the humus content in the soil or they use logistics and run less km with a tractor per hectare or they use precision farming and use less pesticides or fertilizer per ha.

BANKS AND INSURANCE INTEGRATION

To plan for a farmer what he will do at his fields during the next three years gives with some added data a business plan for banks as a base for financing. To know from the farm management system where how many hectares of which crop is growing, gives a data set that easily can be distributed to an insurance company and is base for the policy. Also the control of fields in a catastrophe scenario can easily be maintained with a mobile PC, a GIS and the farmers field data.

In 3rd world countries that all need to start better farming today and do not want to be depending on permanent help, insurance is a must for getting financing and financing is a must for getting started farming. At the base of all is having better information as also insurance cannot start without having better information. The integration of better information, (micro-)financing, insurance and farming is a must to be able to start a modern farming. *Without this it will not be possible!*

THE NEW ORGANISATION MODELS

Old ORG-models have setup on many different organizations with exactly defined targets, many of their activities where done parallel. To mirror an integrated system like our nature in an ICT environment we need **integrated models** and users that are able to share information. **Public and private user's needs** have to be taken into consideration. In the time of tyrannosaurus GeoInfoSystems just government bodies had them, now farmers and foresters also want to use them and the time is here for the use of intelligent applications like above mentioned.

NEW ADVISORY CENTRES

We know that a good advise pays off; in Europe Denmark has with 56 advisors per 1000 farmers the top, they reduce at the moment to around 45-50 but the rest of the EU has between 1-6 only. Do the Danish farmers need so much help in order not to ask if the Danish farmers are stupid? No! The understood earlier than others that one advisor supporting 3000-5000 ha pays off, economically and ecologically!

A future advisor that gets support from a powerful ICT environment and is maybe integrated in a franchise-like organisation form, working as private entity but governed by a public-private driven umbrella will be THE new advisory service form. Why we should further not think about agro-bioenergy-food-environment techno parks that support complete chains?

BENEFICIARIES

An integrated model has many beneficiaries. From the Minster that has better farmers to the farmers that get better tools for managing their farms or get better support by advisors till to the advisors that are embedded into a powerful tool that is permanently upgraded with data from the science. Traders, the food producing- and processing companies are as well beneficiaries as banks and insurance companies (why should not banks run an advisory concept? It would help them to use their branch offices better) or also the producers of machinery or agro-chemicals. Foresters, land managers, utility managers or environment- and risk experts will also benefit from such a intelligent maintained system. Even telecom companies could support them to be able to run their new services also in rural areas – they are needed there.

BENEFITS IN DETAIL

Not all benefits can be listed here, but some of them show already the power of an integrated system:

- GIS gives detailed size of the fields as base for exact calculation
- GIS gives exact location of the field for later logistics use
- Farm management allows with underlaying expert data planning and documentation
- Farm management as a tool supports e.g. GLOBALGAP's documentation needs
- Farm management allows nutrient- and CO₂-balance and is a subsidy tool if needed
- Farm management allows calculations (cost, contribution margin etc.) of fields/farms
- Farm management gives access to traceability (§§) and documents sustainability (§§)
- Farm management and GIS allow the development of modern advisory services
- Logistic and mobile GIS tools allow detailed logistic planning of complete regions





- Logistic and mobile GIS tools serve farmers, food industries and contractors
- Meteorology-data integration allows better decisions – just in times of climate change
- More benefit comes from business for banks or information for insurance companies
- Machine interfaces (ISO- or CAN-BUS) allow integration of precision farming
- Group solutions allow statistical analysis for regions or even countries
- Upgrade with forestry (forest inventory and forest management or forest logistics)
- Environmental caretaking solutions allow even farmers integration into this topic
- Risk management solutions allow also farmers integration in risk management
- A trust centre allows the integration of different users of agro-information
- An open space notary's office will give benefits to ground owners resp. farmers

VALUATION OF BENEFITS

If I just assume that calculation, planning and documentation optimizes farm-management, nutrient and CO₂ balance and meteorology sensors integration lower input costs and increase growth, documentation and trust center opens new markets and logistics saves costs and a better advise saves costs and increases revenue as well as better bank and insurance cooperation saves risk as well as precision farming and virtual farming will allow cost reduction, and each counts for 10% only than we have minus 50% costs and +30% higher revenue, so a plus of 80% including lots of environmental benefits. No, this is not precise, I know! But experts tell in many single cases of the above mentioned topics that they work and count up till 30% or more. We have in any case to calculate case by case but this rough estimation shows, the numbers that can be achieved are big.

The VISION FOR TOMORROW

A Russian scientist named Kondratieff discovered, when several new sectors come together, the might boom and give a new growth wave. After 5 so called Kondratieff waves (steam engine and cotton, steel and railway, chemistry and electrical engineering, petro-chemistry and automobile and 5th the information technology) one asks what is the sixth wave. Four sectors are in the pole position: informatics again, biotechnology, health and environment.

I am sure that the next wave will be *agriculture, forestry and environment- and nature-based-risk-management*.

Why?

Big parts of environment are linked to agriculture and forestry that covers big parts of our Earth, 50% of the health is coming from good food and clean environment, biotechnology shows also to agro-forestry and last but not least informatics – I think that I could show some of the interesting possibilities of the future.

What is fiction, what is available today? ALL of the mentioned applications and technologies are available today, they wait that the farmers and foresters accept the challenge and start using it, for the many benefits they produce!

When you will start?

WORKSHOP

In the practical Workshop titled:

“Agrarbetrieb der Zukunft - Farm of the Future - The Vision of Tomorrow”

we will demonstrate tools and

INNOVATION SOLUTIONS

as well discuss the

requirements – *technological & organizational* - to use these technologies.





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GDI UND DEREN PRAKTISCHE UMSETZUNG IN KOMMUNEN UND LANDKREISEN

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ABSTRACT

Keywords: Anwender, Beschaffungszyklen, Datenbestand, GDI, Geodaten, GIS, Kommunen, INSPIRE, OGC, SOA, WebDienste, WebGIS.

Abstract:

Der Geoinformationsmarkt befindet sich im Wandel... - und dafür sind nicht nur die beständigen **Innovationen** in einem der dynamischsten Zukunftsbranchen gemeint mit ihren immer enger werdenden Branchen übergreifenden Vernetzungen. Vielmehr stehen dahinter auch **strukturelle und politisch-motivierte Veränderungen**, allen voran Maßnahmen zur **Standardisierung** wie sie beispielsweise in der deutschen Vermessungsverwaltung (vgl. *AAA-Konzept und GeoInfoDok*), neuen Standards im Entsorgungswesen (EURONORM) und – häufig im Focus – in den globalen (OGC), europäischen (INSPIRE) bzw. nationalen Richtlinien (GDI-DE) für Geodaten-Dienste-Infrastrukturen (GDI) anzutreffen sind. Die aktuelle Diskussion wird zudem immer noch durch Pilotprojekte und separate Beispiele zur technischen Umsetzung dieser Vorgaben dominiert.

Die Mehrheit der Anwender und damit die eigentlich Betroffenen sind in diese Diskussion kaum einbezogen, teilweise weil sie sich selbst in diesem Themenbereich überfordert sehen (vgl. technische Diskussion), teilweise aber auch, weil Hersteller und Lösungsanbieter nicht in der Lage sind, den Nutzen bzw. die Konsequenzen der Entwicklung adäquat zu kommunizieren.

GDI sowie SOA (Service-orientierte Architektur) werden oftmals als Bruch der bisherigen technischen Entwicklung verstanden und nicht als ergänzende Möglichkeit zum Bestehenden. Im Ergebnis werden die Innovationen daher nur zögerlich als relevante Entwicklungen wahrgenommen.

Anhand von Praxisbeispielen wird gezeigt, wie die technischen Innovationen der Branche zum tatsächlichen Nutzen der Anwender umgesetzt werden können. Der Nutzen für die Anwender zeigt sich vor allem darin, dass mit weniger oder gleichem Aufwand deutlich mehr Informationen verarbeitet werden können und damit auch ein deutlich größerer Anwenderkreis angesprochen wird:

Konkretisierungen für die Anwender sind demzufolge dringend notwendig. Tendenziöse Informationen und Meinungsäußerungen darüber, was technisch umgesetzt ist bzw. wird und was zukünftig existentiell sein wird, reichen nicht aus, sind oft zu theoretisch und dienen einer sachlichen Auseinandersetzung mit diesem komplexen Thema nicht. In diesem Zusammenhang dürfen die technischen Anforderungen an die neuen Lösungen nicht ignoriert werden, denn gerade im Markt der Kommunalen GIS-Anwendungen müssen die Beschaffungszyklen von etwa 3 – 5 Jahren berücksichtigt werden.

References

- [www.geoportal-saar.de]
- [www.stadtplan.ludwigshafen.de]
- [<http://www.geoportal-nordthueringen.de/aktuelles/download/VortragML.pdf>]
- [<http://www.CAIGOS.de>]

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SDI – IMPLEMENTATION INTO PRACTICE FOR LOCAL AND REGIONAL AUTHORITIES

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ABSTRACT

Keywords: *Datasources, Endusers, GDI, Geo-Information, GIS, INSPIRE, Local Authorities, OGC, SOA, WebServices, WebGIS.*

Contents:

The Geo-Information market is in a changing process ... not only continuous *innovations* in dynamic future markets are responsible for this but also social developments: Communities create their own understanding; Communities of different types need to cross-communicate.

Behind this we see **structural and political motivated changes**. Therefore, there is willingness and a need for **standardisation** even on the level of semantics and human communication, for example in German Land Surveying Offices. Those **standards are: AFIS+ALKIS+ATKIS and the GeoInfoDoc** (integrated Cadastre), EURONORM (Supplying Industry) or GDI (Inspire and OGC) in state departments and local authorities.

Majority of users, and they are the most important in the process, are concerned a little, as the endusers are not really involved in the discussion, partly they cannot understand the technical arguments, and partly solution providers aren't able to explain the added-value of their offers.

GDI and SOA (Service-oriented Architecture) often are seen as a break or clash in the development process of user's organisations, as something that is a new paradigm without continuity to what is now. Therefore, users face innovations very reluctant. We like to see such new developments as an additional possibility that allows existing systems to smoothly upgrade in a new world with higher and efficient communication.

On the basis of examples from real world it will be shown that technical innovation is turned into real **user added-value**. As **examples:** scalability from viewing to complex and demanding geo-applications based on one unique technology and used for all type of communication (e.g. a full WebGIS).

Therefore, there is an urgent need to proof feasibility and to show best practice examples. Tendentious opinions are not sufficient to clarify the needs for practice and for what is good in the near future. Theoretical disputations only are not the key to proper solutions. Nevertheless, there is no reason to ignore the challenges of **technical specifications** for future solutions, as far as especially in the local GIS-Applications market we have to consider the **procurement cycles of about 3-5 years for local authorities**.

References

- [www.geoportal-saar.de]
- [www.stadtplan.ludwigshafen.de]
- [<http://www.geoportal-nordthueringen.de/aktuelles/download/VortragML.pdf>]
- [<http://www.CAIGOS.de>]

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GEOPORTAL-2 BASED ON RELATIONAL DATABASE

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&

Edward MECHA

GISPOL Association (Chorzow, PL)

ABSTRACT

Keywords: *Geoportal, ISO, OGC, public data, SDI, services, WFS, WMS*

Contents:

The feature of the **GEOPORTAL2** solution is making use of the **services** provided by specific nodes of data infrastructure. The ISO or OGC standards have been used, which applies in particular to the WMS and WFS service.

The concept based upon the making **distributed services** available means, that lower rank infrastructure SDI nodes shall not **send** data to upper rank nodes, but rather the upper rank nodes shall **access** data from the lower ranks.

A general principle has been assumed that **maps** will be downloaded by customers as **raster data** (WMS format) while **vector data** (WFS format) will be available for downloading only by specialized SDI nodes, for the purpose of analyzing them or processing them, for example for the purpose of providing the service of **mapping** locations, **updating** of buildings in TBD, **updating** of PRG borders, or **preparing** by a specialized SDI node maps in various formats.

Map distribution service, or WMS service, has been divided into two categories:

1. the service providing access to **public** data
2. the service providing access to **non-public** (protected) data

The data made available via public services included in the former categories are the basis of the GEOPORTAL-2 concept, and while they are **publicly available** they enjoy a wide interest. The data is stored **at various levels** (*county, provincial, central one*). To provide the required efficiency, distribution of data is assumed directly from the locations where it is generated.

The users of **GEOPORTAL** when viewing the maps shall at the same time make use of **central level base datasets** (e.g. *administrative borders, ortho-photomap*), as well as of **county level data** (e.g. *plot borders, address points*).

The latter (second) category concerns data with limited access. Access may be limited both to an area (for example to one administrative/registration unit) or to specific themes (for example restricted only to water distribution/sewage network).

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References

[<http://www.geoportal1.pl/www/wprowadzenie-en.htm>]

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eCONTENTplus PROJECT "PLAN4ALL" - SPATIAL PLANNING INTEGRATION IN EUROPE

Karel JANECKA & Tomas MILDORF

University of West Bohemia in Pilsen – Department of Mathematics, Section of Geomatics (CZ)

ABSTRACT

Keywords: best practices, harmonisation, interoperability, INSPIRE, spatial planning

Contents:

Spatial planning has a crucial role in the context of social, political, economic and environmental issues. Sustainable planning addresses the environment where people live and work, the location of social and economic activities, **the way in which the resources we possess are exploited**, etc. Spatial planning acts in bottom-up and top-down directions between all levels of government. National, regional and local authorities face important challenges in the development of territorial frameworks and concepts every day.

The heterogeneity in spatial planning limits its use in decision-making in a transboundary context, including impact assessment and evaluation of plans. The situation is complicated by the diversity and overall complexity of spatial planning. **Spatial planning is a holistic activity**. All the tasks and processes must be solved comprehensively with **input from many various sources**. Several authorities are in charge of single spatially relevant topics (e.g. water management, transport, cadastre, geology, etc.). To combine these sources, to perform an analysis and to ensure valuable results are big **challenges in spatial planning**, especially when talking about digital data. We cannot achieve any high-quality results without taking all the inputs into account. It is necessary to **make the inputs interoperable and therefore comparable**. This will allow the user to search the data and services, view them, download them and use them with the help of IT technologies. Even if the **INSPIRE Directive** does not directly refer to spatial planning, it addresses the issues regarding the **availability, quality, organization, accessibility and sharing of spatial information** as common constituents to a large number of policy and information themes and experience across the various levels of public authorities.

Plan4all is a European project co-financed by the **eContentplus programme** of the European Commission. The main aim of Plan4all is the harmonisation of spatial planning data according to the INSPIRE Directive. The project is **based on the existing best practices in EU regions and municipalities** and the results of current research projects in this area.

The expected results are European **forums for SDI** (Spatial Data Infrastructure) in spatial planning, a **database of best practices** and **analysis of best practices** in terms of organisation, sharing, harmonisation and **SDI building recommendations** for spatial planning. The whole sector should profit from the availability of understandable and more transparent planning information in Europe.

Plan4all is a challenging test bed for INSPIRE which includes the cooperation of different actors with the involvement of both public and private sector. Relevant and **challenging coordination among public administrations on different levels is needed** in order to guarantee shared solution to improve and solve current problems such as the spatial planning.

Authors

Dr. Karel Janecka & Dipl.Ing. Tomas Mildorf

References

[<http://www.plan4all.eu>] & [<http://www.plan4all.eu/wiki/Geoportals>]

[<http://portal.plan4all.eu/catalogue/index.php?anytext=planning&type=dataset&menuId=menu1>]

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SUMMARY

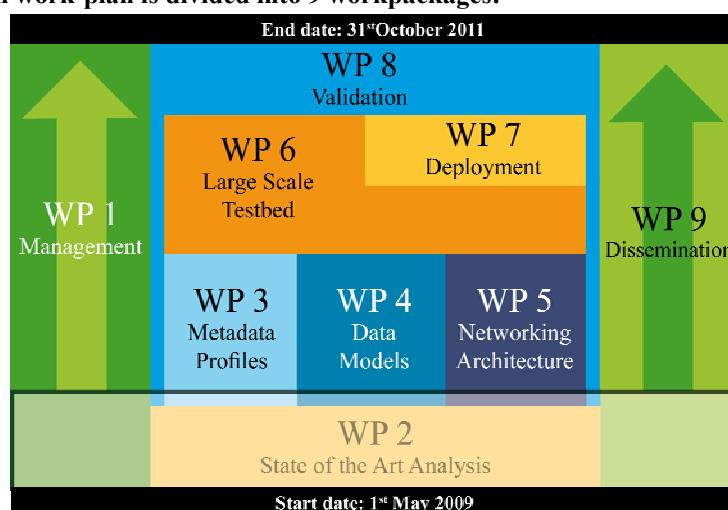
Plan4all – European Network of Best Practices for Interoperability of Spatial Planning Information co-funded by multiannual **Community programme** to make digital content in Europe more accessible, usable and exploitable – *eContentplus*.

The **Plan4all consortium** consists of 24 partners from 15 European countries. It includes commercial companies, research institutes, municipalities, universities, authorities, regions, data providers, etc.

There are 7 INSPIRE spatial data themes in focus of Plan4all:

1. Land cover
2. Land use
3. Utility and Government services
4. Production and industrial facilities
5. Agricultural and aquaculture facilities
6. Area management/restriction/regulation zones and reporting units
7. Natural risk zones

The Plan4all work-plan is divided into 9 workpackages:



The main Plan4all objectives are:

1. Promote Plan4all and INSPIRE in countries, regions and municipalities
2. Design spatial planning metadata profile
3. Design data model for selected spatial data themes related to spatial planning
4. Design networking architecture for sharing data and services in spatial planning
5. Validate metadata profile, data models and networking architecture on local and regional level
6. Establish European portal for spatial planning data
7. Deploy data and metadata on local and regional level.

The **Plan4all related initiatives** and **european projects** include: ESPON, GMES, INSPIRE, ISO, OGC, W3C, X-PLANUNG and eSDI-NETplus, ESDIN, EURADIN, GEOLAND, GIS4EU, GS-SOIL, HLANDATA, HUMBOLDT, METASCHOOL, Nature-GIS, NaturNet-Redime, NaturNetplus, NaturNetplus, OneGeology, ORCHESTRA, SDI-EDU for regional & urban planning, VESTA-GIS.





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KIDS - AN ENVIRONMENTAL EDUCATION PROJECT BASED ON LANDUSE CHANGE SIMULATOR "PIMP YOUR LANDSCAPE"

Martin Modrý

Regional Government of Kraj LIBEREC (CZ)

ABSTRACT

Keywords: *landscape, land use, environmental education, simulation*

Contents:

Simulation game "*Pimp your landscape*" (PYL) was developed under leadership of Technical University Dresden as information support for estimations of landuse changes' consequences. Although the application of this model in exact predicting is limited by need of complex calibration, it can be used for educational purposes.

Project KIDS, co-financed by *Deutsche Bundesstiftung Umwelt* and implemented jointly by *Technical University Dresden* and *Technical University Liberec* was aimed at modification of the PYL engine and design for use in schools. During 2009 the adapted software accompanied by environmental education program was *tested in two schools of Liberec region* with 10 years old pupils.

At December 8th, 2009 pupils of the *primary schools Hodkovice* and *Liberec* presented officially their ideas on *how to optimize the landscape around Liberec* to representatives of the Public administration at Liberec and of the Pedagogic faculty of TU Liberec. Two school classes received a price for their well developed ideas.

The **test run** showed that the PYL software with modifications is suitable to demonstrate the consequences of landuse changes for basic landscape characteristics.

References

Internet [<http://www.letsmap.de>] & [<http://kids.letsmap.de>]

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ALKIS FÜR KOMMUNALE ANWENDER IM BLICK

Stephan Nachtigall

ARCHIKART Software AG - Lauchhammer (DE)

ABSTRACT

Keywords: *ALKIS, Anwender, ARCHIKART, CAIGOS, KommunalGIS, NAS.*

Contents:

Die **ARCHIKART Software AG** betreut seit 20 Jahren **Kommunen** in ganz Deutschland mit Softwarelösungen im Liegenschaftsbereich. Dazu gehörte auch schon immer die Nutzung und „*Veredelung*“ von ALB-Daten.

Mit der Einführung von ALKIS stand ARCHIKART vor der Aufgabe, diese Daten in die vielfältigen Arbeitsabläufe zu integrieren. Dazu gehört insbesondere auch die Einführung der neuen AdV-Schnittstelle **NAS**.

Dieser Vortrag gibt einen kurzen Überblick über ALKIS und NAS. Außerdem werden die ALKIS **Lösungen für kommunale Anwender** aus dem Hause **ARCHIKART** sowie des Partners **CAIGOS** vorgestellt.

References

[<http://www.archikart.de>]

Archikart-Forum [[NAS und ALKIS im Blickfeld](#)] Agenda 17.03.2010

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THE STRATEGIC DEVELOPMENT OF BUDAPEST METROPOLITAN GREEN SPACES

POSTER CONTENTS by PROJECT LEADERS PESTTERV Ltd. & MUT Ltd.

POSTER DESIGN by

Richard ONGJERTH, Kálmán SZINYEI-MERSE, Veronika FALLY
Hungarian Urban Knowledge Centre, MUT - Budapest (HU)

Keywords: *bio activity, Budapest, change processes, green space network, built-up areas, Hungary, Outskirt, software.*

Contents:

The poster presents the *usage of GIS in the outskirt area of Budapest*, the Hungarian capital.

The Outskirt of Budapest includes **81** towns where **2 457 787** inhabitants are living. The official boundary of the outskirt was marked first in 1971. This area developed and increased very dynamically, and today the area reached the **2 538, 08 km²**.

Balancing the increase of built-up areas it is necessary to get the change processes of the green spaces. Knowing the *change of bio-activity* planning of green space network can be more effective.

Different softwares has been used, such as *AutoCAD, MapInfo, Google Map, Adobe Photoshop*.

References

- [<http://a-atc.sk/MobEx/>]
- [www.mut.hu]

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GREEN SPACE NETWORK IN THE 13TH DISTRICT OF BUDAPEST

POSTER CONTENTS by PROJECT LEADERS

Péter GÁBOR & Katalin HLATKY

ZÖLD FÁCSKA Ltd. & LÉPTÉK TERV Ltd. / MUT Ltd.

POSTER DESIGN

by

Richard ONGJERTH, Kálmán SZINYEI-MERSE, Veronika FALLY
HUNGARIAN URBAN KNOWLEDGE CENTRE, MUT - BUDAPEST (HU)

Keywords: Budapest, Hungary, industrial area, local climate

Contents:

This poster presents the usage of GIS in the 13th district of Budapest - e.g. the so-called “late labour district” - one of the districts nearby the Danube.

“Angyalföld” - the 13th district of Budapest - was one of the industrial quarters of the capital Budapest. Therefore, the inhabitants were mainly labourers. Around 1990 the population changed because after the socialism the industry kept dieing.

Many different types of building and land use can be found there, and the planners draw different conclusion from the satellite images compared with the district of *Terézváros*. Development of new parks, more green space and improving the local climate were the direct aim, that is why the *Hollán Ernő* street could be renewed and greened.

References

- [<http://www.mut.hu>]
- [<http://a-atc-sk/MobEx>]

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VIRTUAL REALITY IN LANDSCAPE PLANNING

Tomáš Oršulák, Martin Balej, Pavel Raška, Jana Ceeová

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J. E. Purkyně University - Usti n.L. (CZ)

ABSTRACT

Keywords: *3D, virtual reality, landscape planning, online planning, participatory planning, visualization.*

Contents:

The process of landscape planning requires the effective linkage between landscape planners and decision makers on the one hand and users (stakeholders, inhabitants, etc.) on the other. Such a linkage should be based on a realistic **visual representation of future plans and alternative scenarios** of landscape development. However, the methodological approaches for such application are still lacking, which is partially caused by its technological demands.

In the contribution we propose a concrete system of approaches, which may help to reconcile the needs and visions of manifold communities concerned with future landscape. Using **virtual reality** environments, online methods (*using social networks*), these approaches link a geographic information system and historic data to express the continuities and/or discontinuities of **landscape changes** towards the visual exploration and evaluation of future landscape scenarios.

The geovisualization technologies has been applied on the area of **Klášterec nad Ohří** area (the northwestern part of Czechia) which, thanks especially to its position in the Czech-German Borderland, represents the **dynamic changes of landscape** and their effects over a period of 250 years.

Results of the approaches proposed enable landscape planners to create the concrete VR environments, which improve the complex **perception and assessment of future scenarios** of landscape development based on better interaction of user with the VR-based plans. This also allows examining the consequences of applying the manifold values in landscape planning.

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BREITBANDATLAS-DEUTSCHLAND

Roy Popolek

LiveMap GmbH, Berlin

ABSTRACT

Keywords: *Atlas, Bedarfsmeldung, Breitband, Verfügbarkeit, Web 2.0*

Contents:

Im Dezember **2007** erhielt die **LiveMap GmbH** von der IHK Potsdam und der IHK Frankfurt/Oder den Auftrag, einen virtuellen Atlas zu entwickeln, der den Bedarf an breitbandigem Internetzugang in schlecht versorgten Regionen des Bundeslandes Brandenburg widerspiegeln soll.

Anfang Februar **2008** ging das Internetportal [„**Breitbandatlas - Brandenburg**“] online. Innerhalb von nur 8 Wochen hatten bereits über 3.500 Betroffene ihren DSL-Bedarf angemeldet. [Update: Nach 24 Monaten Laufzeit: 130.000 Besucher, > 10.000 registrierte Nutzer].

Der Erfolg des Breitbandatlas hat die Projektgruppe überrascht und zeigt das große Potential eines solchen interaktiven Bedarfsmeldeportals.

Auf Grund der großen Nachfrage und der noch lange nicht ausgeschöpften Möglichkeiten zur Weiterentwicklung dieses Projektes, initiiert die LiveMap GmbH das künftige Portal [„**Breitband-Atlas-Deutschland**“], um Anforderungswünsche regional bzw. bundesweit nach einem eigenen Breitbandatlas zu erfassen, sich über Konditionen zu informieren sowie weitere Anwendungsmöglichkeiten erkunden zu können.

Sichern Sie sich die Zukunft der **Bedarfsmeldung im Internet** und erarbeiten Sie mit uns, der LiveMap GmbH, Ihre Bedürfnisse und Vorstellungen an angepasste Webportale, um interessierte Kunden auch aus Ihrer Region zu erreichen.

References

Breitbandatlas Deutschland: [<http://www.breitbandatlas-deutschland.de>]

JCI.LiveMap – das Community Portal der Wirtschaftsjunioren Deutschlands und der Junior Chamber International: [<http://jci.livemap.de>]

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ZUKUNFTSORIENTIERTER UMGANG MIT LÄNDLICHEN WOHNIMMOBILIEN VOR DEM HINTERGRUND DES DEMOGRAPHISCHEN WANDELS

Exemplarische Analysen und Szenarien mit Unterstützung von GeoMedia Professional und GeoMedia Grid

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IKGIS e.V.

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Fachgebiet Landmanagement Technische Universität Darmstadt

ABSTRACT

Keywords: Demographischer Wandel, GeoMedia Professional, GeoMedia Grid, GIS, Kommunen, Lehrstands-Szenarien, Wohngebäude-Leerstände

Contents:

Die für Deutschland prognostizierte **demographische Entwicklung**, kommunale Planungsrealitäten und strukturelle Aspekte sprechen für eine steigende Anzahl von ländlichen **Wohngebäude-Leerständen** in den nächsten Jahrzehnten.

Das Entwickeln angemessener **Strategien** und der Einsatz von unterstützenden Werkzeugen für den Umgang mit Leerstand dürfte entsprechend für viele **Kommunen** an Bedeutung gewinnen. Hierbei lassen sich durch den Einsatz von Geoinformationssystemen wichtige Mehrwerte im Hinblick auf **Effizienz und Effektivität** generieren.

Vor diesem Hintergrund möchte der Vortrag exemplarische Analysen vorstellen, die **kommunalen Planern und Entscheidern** helfen sollen, zukünftige Leerstands-Gefährdungen mit Blick auf den Immobilienbestand vor Ort abzuschätzen. Zudem wird die Frage aufgeworfen, inwieweit sich **Leerstands-Szenarien in einem GIS** entwickeln lassen. Auf Basis von **GeoMedia Professional** und **Grid 6.1** werden Anwendungsbeispiele vorgestellt.

References

IKGIS e.V - Internet [<http://www.ikgis.de/>]

Intergraph SG&I (Germany) GmbH - Internet [<http://www.intergraph.de>]

Fachgebiet Landmanagement Technische Universität Darmstadt

[http://www.geodesy.tu-darmstadt.de/lm/geodaeie_1/Startseite_Fachgebiet_Landmanagement.jsp]

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OPENADDRESSES.ORG A COMMUNITY WEBSERVICE FOR THE MANAGEMENT OF OPEN ADDRESSES

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FHNW - University of Applied Sciences Northwestern Switzerland (CH),

ABSTRACT

Keywords: Address data, community project, geocoded address data, geocoding, GIS, global directory, mashup, open geodata, OSM, reverse geocoding, web 2.0

Contents:

As a typical web 2.0 application, [www.OpenAddresses.org] aims to collect free and open geospatially located (geocoded) addresses. This community web site allows everyone to store, manage and use address points. **Geocoded addresses are used in many ways:** for example a GPS device uses them to find a place to meet; companies use them to locate their customers, analyse their customer base and strategy and improve their geomarketing efforts; statisticians use this data to analyze populations; and many more.

Geocoded addresses are required to enable geocoding services or reverse geocoding services OpenAddresses.org freely provides these services. The currently available data sets of geocoded address-data are under copyrights, expensive or do not cover the entire area of interest (e.g. internationally).

The goal of OpenAddresses.org is to let everyone use geocoded addresses free of charge, under an open license and covering the whole planet. To achieve this goal, the OpenAddresses.org community creates and updates this dataset.

The project was launched in 2007 in Switzerland, under the leadership of University of Applied Sciences Northwestern Switzerland (FHNW). Then, in 2009, a group of people and companies decided to create a global directory of addresses and have developed a new web portal. Currently more than 5 million addresses are available and data for countries like Denmark or cantons as Solothurn (Switzerland) are fully acquired.

[[OpenAddresses.org](http://www.OpenAddresses.org)] and [[OpenStreetMap.org](http://www.OpenStreetMap.org)] are complementary and share the same philosophy of community based, crowdsourced data acquisition. OpenAddresses.org focuses only on the address points and provides a specialized and dedicated platform. The goal is that each project benefits from the other. The data are regularly synchronized to allow such reciprocity.

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References

[<http://www.openaddresses.org>]

[<http://www.fhnw.ch/personen/hansjoerg.stark>]

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THE "METASCHOOL" & "NATURNET^{PLUS}" PROJECTS THE 4TH WAY OF INSPIRE IMPLEMENTATION

PREMYSL VOHNOUT

Czech Centre for Science and Society - CCSS (CZ)

ABSTRACT

Keywords: Geoportal, INSPIRE, OGC, spatial data, standards, web services

Contents:

Portals and spatial data can be divided onto 3 groups:

1. *Public administrations group*
2. *Public portals group*
3. *Online communities group*
4. *The 4th way* – data from all groups can not be utilized simultaneously right now.

- However, what if some possibility is discovered that would enable *to integrate "INSPIRE data", GeoRSS, KML, RDF, OpenStreetMap data etc. into one only portal ?*

Therefore, a **Geoportal** is a site which allows users *to search, view, examine and share spatial and non-spatial data*. The geoportal is based on interoperability standards (OGC, W3C, OASIS, ISO) which are *connected to other web-based resources* and helps to create a *distributed structure of information and knowledge* based on spatial localization. A Geoportal should not be a "*closed*" *central storage of spatial data* without the possibility of *re-use and re-distribution* of this data. It should be a solution, which supports the *searching* of data and information and their *viewing* and *using* by external sources.

This paper describes EU projects "Metaschool" and "NaturNet^{plus}", likely a **4th way** of integration distributed **spatial & non-spatial** information:

- **METASCHOOL:**

The METASCHOOL project aims to improve the in-service *training of school teachers and school ICT staff* on topics related to the organisation, sharing, use and re-use of digital learning resources that can be accessed online through *learning repositories*. Building upon the experience of successful research & development projects (such as CALIBRATE, MELT, COSMOS, Organic.Edunet, COLLAGE), the consortium that brings together significant expertise from the fields of teacher training, curriculum development, content and web repositories organisation, and teachers' performance evaluation, attempts *to develop a practical training framework for improving the quality of teaching and learning* in the classroom through the effective use of digital content.

- **NATURNET^{plus}:**

The NATURNETplus project is co-funded by the Leonardo da Vinci programme (Education & culture DG, Lifelong Learning Programme). It started in October 2009 and will last for 2 years. NATURNETplus will transfer methods and knowledge from [[NaturNet Redime project](#)] to European regions and enterprises through a network of organizations in Europe dealing with Environmental Education.

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URBAN STUDY: PODHORSKÝ PÁS – BRATISLAVA TOURIST RAILWAY „VINOHRADY“

Przemysław WOKAL & Justyna ZUBKIEWICZ

Elżbieta WĘCLAWOWICZ-BILSKA, Urszula NOWACKA-REJZNER, Rafał BLAZY

Faculty of Architecture, University of Technology - Cracow (PL)

POSTER

Keywords: Bratislava, Development perspective, Housing, Podhorsky Pas, Touristic Railway, Urban development, Urban sprawl, Vineyards, Vinohrady.

Contents:

Podhorsky Pas Vinohrady is considered to be the lungs of Bratislava. This terrain, which is situated in the foothills between urban development and forest, forms a beautiful visual background and provides a perfect recreational area. The advantageous **location of vineyards** on the south-eastern slope encourages to continue wine growing and to maintain traditional methods of wine production. In our project the emphasis is put on preserving the unique character of this area.

Vineyards of Bratislava are not uncommon in Slovakia. There is „**The Wine Road of Male Karpaty**“ which consists of towns such as **Pezinok, Modra, Raca**. Unfortunately, because of the significant distance between them, they do not constitute an integral whole. Considering these difficulties, we have designed an efficient communication system to connect them. It creates great **tourist opportunities** attracting both wine connoisseurs, as well as ordinary tourists to get acquainted with the process of wine production and its wonderful effects.

Our tourist railway „Vinohrady“ is not limited to transporting people along distant surroundings only. Bratislava itself is also full of beautiful locations, interesting objects, exhibitions, theatres and monuments. They are all included in the **railway route**, which makes it easy to visit them both by tourists and Bratislava's citizens.

Regional approach to the issue gives an opportunity to develop Vinohrady. We have designed this development as three centres: (I) **Centre of Theatre and Wine Fest**, (II) **Artistic – Urban**, (III) **Urban Cluster**. Each of them has its own, individual role but together they constitute a coherent urban organism connected with the rest of Bratislava.

References

[<http://a-atc.sk/MobEx/>]

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SYSTEM INFORMACJI PLANOWANIA PRZESTRZENNEGO P-N SIPP DAS RAUMPLANUNGSSYSTEM D-P PLIS

PRESSEINFORMATION



Gemeinsame Landesplanungsabteilung
Województwo Pomorskie Kujawsko-Pomorskie



Ergebnisse der grenzüberschreitenden Zusammenarbeit
auf dem Gebiet der Raumplanung und der Verkehrsinfrastruktur

Wyniki współpracy transgranicznej w zakresie planowania
przestrzennego i infrastruktury transportowej

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Ausgangssituation

Um bei den vielfältigen grenzübergreifenden Beziehungen im deutsch-polnischen Grenzraum deren räumliche Auswirkungen für die beteiligten Akteure angemessen berücksichtigen zu können, sind die Raumordnungsplanungen der Länder und die Raumbewirtschaftungspläne der Wojewodschaften auch über die Staatsgrenze anzupassen sowie raumbedeutsame Konzepte und Planungen mit den jeweiligen Nachbarn an Oder und Neiße abzustimmen. Für eine effiziente und nachhaltige Abstimmung ist das Verständnis der raumordnerischen Struktur des Nachbargebietes unerlässlich. Jedoch unterscheiden sich insbesondere über die Staatsgrenze hinweg neben den kartographischen Signaturen die fachlichen Definitionen und Verständnisse der raumordnerischen und fachplanerischen Begriffe und Themen.

Für die tägliche Arbeit, zu der eine frühzeitige und aktuelle Kenntnisnahme der bestehenden und geplanten räumlichen Strukturen gehört, ist die ausschließlich anlassweise professionelle Übersetzung von Planwerken (in textlicher und kartographischer Form), Programmen, Konzeptionen usw. nicht ausreichend.

Aufgrund des föderalen Systems in Deutschland bzw. des Selbstverwaltungssystems in Polen bestehen die zwischen den Staaten existierenden Fachverständnisprobleme in abgeschwächter Form auch zwischen den Fachleuten verschiedener Bundesländer und verschiedener Wojewodschaften.

Zweck, Ziel und Inhalt des Informationssystems

Vor dem Hintergrund der sehr unterschiedlichen Planungsinhalte und Plandarstellungen haben die obersten Raumordnungsbehördender Länder Mecklenburg-Vorpommern, Berlin und Brandenburg, Sachsen sowie die für Raumordnung zuständigen Behörden der Wojewodschaften Zachodniopomorskie (Westpommern), Lubuskie (Lebuser Land) und Dolnośląskie (Niederschlesien) vereinbart, wesentliche raumbeeinflussende Strukturen und die dazugehörigen Sachinformationen flächendeckend auf beiden Seiten der gesamten deutsch-polnischen Grenze in den mittleren Zielmaßstäben 1:100.000 und 1:250.000 auf einheitliche Art und Weise in deutscher und polnischer Sprache darzustellen.

Der Zweck des Deutsch-Polnischen interregionalen Raumplanungsinformationssystems (D-P PLIS) besteht somit insbesondere darin, zur Vereinfachung und Effizienzsteigerung der grenzüberschreitenden Zusammenarbeit bei raumbedeutsamen Planungen und Maßnahmen sowie raumrelevanten Angelegenheiten in den Gebieten der an der gemeinsamen Grenze liegenden Planungsregionen und Wojewodschaften beizutragen. Dieser Zweck steht in Übereinstimmung mit der Feststellung des Ausschusses für Raumordnung der deutsch-polnischen Regierungskommission für regionale und grenznahe Zusammenarbeit am 04./05. September 2003 in Eggersdorf, dass die Zusammenarbeit bei digitalen Raumordnungskatastern besonders im deutsch-polnischen Grenzraum verbesserungswürdig ist.

Sytuacja wyjściowa

Aby na niemiecko- polskim obszarze przygranicznym móc w odpowiedni sposób uwzględniać zróżnicowane konsekwencje transgranicznych powiązań dla zaangażowanych podmiotów, instytucje odpowiedzialne za planowanie przestrzenne w krajach związkowych i za plany zagospodarowania przestrzennego w województwach postanowiły dopasować je do siebie również w układzie ponad granicami państw oraz uzgodnić znaczące dla przestrzeni w układzie transgranicznym koncepcje i plany z sąsiadami nad Odry i Nysy Łużyckiej. Celem skutecznego i trwałego uzgadniania niezbędne jest rozumienie struktury planistyczno-przestrzennej obszaru sąsiadniego. Jednak w szczególności w układzie ponad granicami państw poza strukturami kartograficznymi różne są również definicje oraz rozumienie branżowe przedmiotowych pojęć i tematów z zakresu gospodarki przestrzennej i planowania. Jednak w codziennej pracy, aby odpowiednio szybko poznać aktualny stan i planowane zmiany struktur przestrzennych nie wystarcza już wyłącznie okazjonalne zlecenie profesjonalnego tłumaczenia takich dokumentów (w formie tekstu i materiału kartograficznego), programów, koncepcji, itp.

Z uwagi na system federalny w Niemczech bądź system samorządowy w Polsce między oboma państwami istnieją nawet, chociaż w mniej ostrej formie, również problemy ze zrozumieniem pojęć fachowych pomiędzy specjalistami z różnych krajów związkowych i różnych województw.

Założenia, cel i treści systemu informacji

Z uwagi na bardzo zróżnicowany zakres planowania i prezentację planów naczelne instytucje zagospodarowania przestrzennego województwa zachodniopomorskiego, lubuskiego i dolnośląskiego oraz krajów związkowych Meklemburgii-Pomorza Przedniego, Berlina i Brandenburgii oraz Saksonii ustalily prezentację zasadniczych oddziałujących na przestrzeń struktur i powiązanych z nimi informacji rzeczowych dla całego obszaru po obu stronach polsko-niemieckiej granicy w sposób jednolity w docelowej skali 1 : 100 000 i 1 : 250 000 w języku polskim i niemieckim.

Założenie Polsko-Niemieckiego Zintegrowanego Systemu Informacji Planistyczno-Przestrzennej polega w szczególności na tym, aby przyczynić się do uproszczenia i wzrostu efektywności współpracy transgranicznej w zakresie planowania przestrzennego oraz spraw związanych z gospodarką przestrzenną na obszarze polożonych przy wspólnej granicy województw i regionów planistycznych. Cele te SA zgodne z ustaleniami Komitetu Gospodarki Przestrzennej Polsko – Niemieckiej Komisji Międzyrządowej do spraw Współpracy Regionalnej i Transgranicznej sformułowanymi podczas posiedzenia w dniach 4–5 września 2003 r. w Eggersdorf, mówiącymi iż należy poprawić współpracę w dziedzinie cyfrowych katastrów przestrzennych w szczególności na polsko – niemieckim pograniczu.





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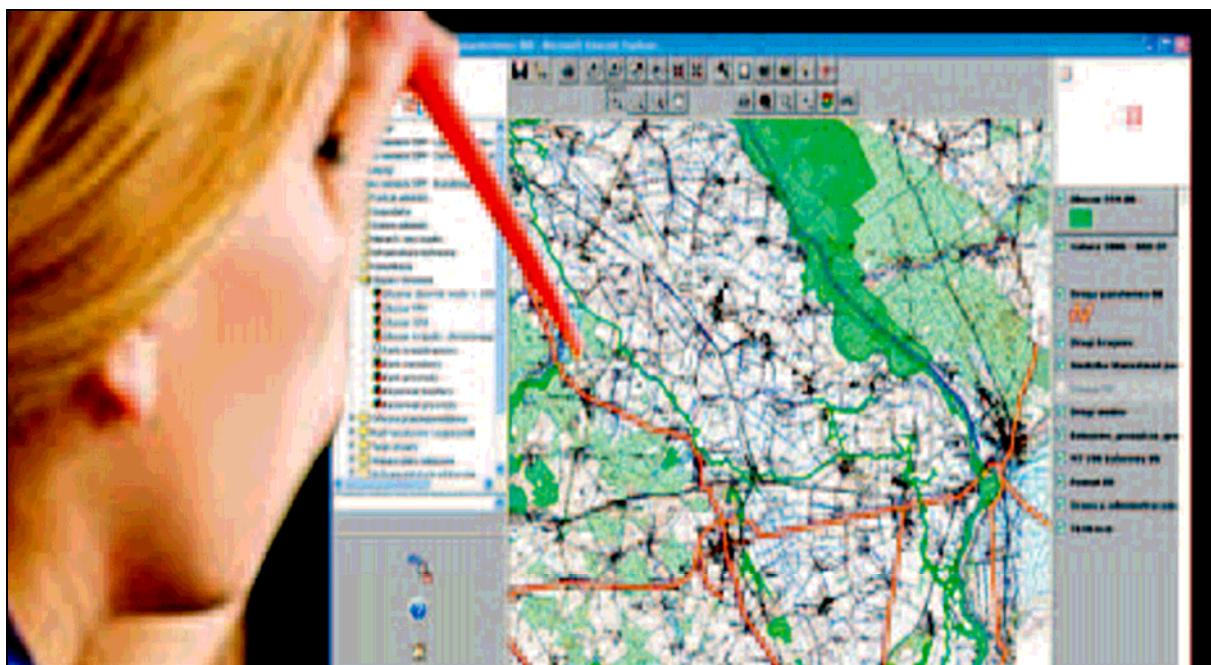
Implementierung der EU-Direktiven PSI-2003/98/EC & INSPIRE-2007/2/EC

INNOVATION. Grenzüberschreitendes Netzwerk



Mit dem internetbasierten Auskunftssystem wurde ein Hilfsmittel für die räumliche Planung und Entwicklung unter besonderer Berücksichtigung der sich unterscheidenden Strukturen in benachbarten Ländern und Wojewodschaften geschaffen. Dieses gemeinsame System kann – neben originären Raumplanungsinteressen – tangierenden raumrelevanten Fragestellungen auf verschiedenen Verwaltungsebenen und in verschiedenen Branchen dienen. Ausgehend von ihren Raumordnungs- bzw. Raumbewirtschaftungsplänen haben die Partner sich auf die Aufnahme folgender Fachbereiche verständigt: ausgewählte Verwaltungsfunktionen, Zentralortstruktur, landesplanerisch befürwortete Flächen der verbindlichen Bauleitplanung, Wirtschaft, Schutzgebiete, Hochwasserschutz, Freiraum, Rohstoffsicherung, Tourismus und Erholung, ausgewählte Bildungseinrichtungen, Verkehr, weitere technische Infrastruktur und ausgewählte Indikatoren zur Raumbeobachtung. Durch die Möglichkeit der effektiven Laufendehaltung wird die Nutzung des Systems langfristig auf immer aktuellem Sachstand gewährleistet.

Bazujący na interecie system pozyskiwania informacji stał się narzędziem pomocniczym planowania przestrzennego i rozwoju ze szczególnym uwzględnieniem różniących się struktur i planów przestrzennych w sąsiadujących ze sobą województwach i krajach związkowych. System ten może poza kwestiami przestrzennymi związanymi z planowaniem służyć różnym poziomom administracji oraz różnorodnym branżom. Na bazie planów zagospodarowania przestrzennego partnerzy porozumieli się co do przedstawienia następujących zakresów tematycznych: wybrane funkcje administracyjne, hierarchia sieci osadniczej, obszary zaopiniowane z poziomu kraju związkowego pod zabudowę, gospodarka, obszary chronione, ochrona przeciwpowodziowa, tereny wolne od zabudowy, zabezpieczenie surowców, turystyka i wypoczynek, wybrane placówki edukacyjne, transport i komunikacja, pozostała infrastruktura techniczna, wybrane wskaźniki obserwacji przestrzeni. Z uwagi na możliwości skutecznej aktualizacji zapewniono długofalowe korzystanie z systemu gwarantującego aktualny stan informacji.



Technische Lösung

Auf der Basis von Mapservertechnologie wurden an den Standorten Leipzig, bei der Fa. GFI Gesellschaft für Informationstechnologie mbH, und Szczecin (Stettin), beim Regionalne Biuro Gospodarki Przestrzennej (Regionales Raumplanungsbüro der Wojewodschaft Zachodniopomorskie), Kartenserver eingerichtet, die im Verbund arbeiten.

Der Zugang zu den raumbezogenen Fachinformationen des Projektgebietes erfolgt browsergestützt über die zentrale Internetpräsenz [<http://www.dp-plis.eu>].

Rozwiązania techniczne

Na bazie technologii serwerów mapowych Lipsku w firmie GFI Gesellschaft für Informationstechnologien GmbH i w Szczecinie w Regionalnym Biurze Gospodarki Przestrzennej Województwa Zachodniopomorskiego zainstalowano serwery mapowe, które pracują w powiązaniu ze sobą.

Dzięki centralnej stronie internetowej [<http://www.dp-plis.eu>] uzyskać można poprzez przeglądarkę dostęp do branżowych danych dotyczących przestrzeni na obszarze projektu.

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Dabei werden Informationen der allgemeinen Topografie und der administrativen Grenzen mit räumlichen Geofachdaten zu ca. 80 Themen der oben genannten Fachkapitel für den gesamten Projektraum in einheitlicher Darstellung frei kombinierbar in polnischer und in deutscher Sprache zur Ansicht gebracht.

Einem autorisierten Benutzerkreis von Fachleuten können sensiblere Geofachdaten verfügbar gemacht werden, die allen anderen Nutzern, welche sich als »Besucher« angemeldet haben, nicht zur Verfügung stehen. Neben einer maßstabsunabhängigen Darstellung und einem integrierten Kartenausdruck (PDF) kann über eine Schlagwortsuche in einer Kombination aus geografischen und Sachdaten zielgerichtet recherchiert werden. Die Einfachheit der Bedienung, kombiniert mit den Funktionen eines webbasierten Geografischen Informationssystems (GIS) machen die Lösung zu einem effektiven Arbeits- und Planungsmittel. Mithilfe des durchgängig mehrsprachigen Ansatzes wird ein direkter Zugang zu den Informationen in polnischer und in deutscher Sprache gewährleistet. Die Pflege und Fortführung der Geodaten erfolgt bei den deutschen und polnischen Projektpartnern über lokale GIS-Desktop-Lösungen (ArcView). Über die Software Themenbrowser Plus besteht die Möglichkeit der direkten Eingabe und dynamischen Pflege von Darstellungsvorschriften und beschreibenden Informationen zu den Fachdaten.

Die durch die GFI mbH geschaffene Service-Architektur berücksichtigt dabei die europäischen und internationalen GISStandards. Bei Bedarf können beliebige andere Mapserver in den bestehenden Verbund eingebunden werden.

Empfehlungen

Das inhaltliche und technische Konzept erlaubt die effektive Erweiterung des Auskunftssystems in verschiedenen Hinsichten. Um das Informationssystem als Beispiel großräumiger einheitlicher Präsentation raumordnerischer Strukturen weit über den gegenwärtig abgedeckten Raum bekannt machen zu können, wird empfohlen, eine englischsprachige Version zu ergänzen. Aufgrund der in der Test- und Aufbauphase des Projektes gemachten positiven Erfahrungen zum Verständnis der benachbarten räumlichen Struktur und Planungskultur wird empfohlen, das System auf weitere grenznahe Gebiete auszudehnen. Im Sinne einer gerechten Aufwandsverteilung bei der Laufendehaltung des D-P PLIS sollte die Datenaktualisierung dezentral, also in Eigenverantwortung der Länder und Wojewodschaften erfolgen. Über die regelmäßige Datenaktualisierung hinaus wird das Planungsinformationssystem nur erfolgreich anzuwenden sein, wenn dem Erhalt seiner Funktionalität von allen beteiligten Partnern angemessene Priorität beigemessen und die dafür erforderlichen Ressourcen eingesetzt werden.

W ten sposób udostępnione zostały informacje o ogólnej topografii i granicach administracyjnych z prześwietlonymi danymi geograficznymi w odniesieniu do około 80 tematów z wymienionych powyżej zakresów branżowych dla całego obszaru projektu ujednolicone do dowolnej kombinacji w języku polskim i niemieckim.

Autoryzowanemu kręgowi użytkowników, fachowców umożliwiającym dostęp do bardziej zróżnicowanych danych geograficznych, które nie są dostępne dla wszystkich innych użytkowników, zgłoszających się na stronie jako »goście«. Poza prezentacją niezwiązaną z żadną skalą i zintegrowaną opcją wydruku map (pdf), można poprzez szukanie hasła wygenerować kombinację danych geograficznych i rzeczowych, zgodnie z życzeniem. Prosta obsługa w powiązaniu z funkcjami systemu informacji geograficznej funkcjonującą w oparciu o Internet czynią to rozwiązanie efektywnym narzędziem pracy i planowania. Wielojęzyczność zapewnia bezpośredni dostęp do informacji w języku polskim i niemieckim. Aktualizacja i kontynuacja gromadzenia danych geograficznych jest zadaniem polskich i niemieckich partnerów projektów poprzez lokalne pulpitowe rozwiązania GIS (Arc View). Dzięki oprogramowaniu Themenbrowser plus stworzona została możliwość bezpośredniego wprowadzenia do systemu zasad prezentacji i opisowych informacji dla poszczególnych danych branżowych oraz ich stałej dynamizacji.

Architektura serwera stworzona przez GFI uwzględnia przy tym europejskie i międzynarodowe standardy GIS, w razie potrzeby można do istniejącego układu wprowadzić inne serwery mapowe.

Zalecenia

Koncepcja merytoryczna i techniczna pozwala na efektywne rozszerzenie systemu informacji w różnych przekrojach. Aby móc zaprezentować system informacji jako przykład wieloprzestrzennego i jednolitego pokazania struktur gospodarki przestrzennej daleko poza obecnym obszarem oddziaływania zaleca się przygotowanie wersji angielszczyzny. Z uwagi na pozytywne doświadczenia fazy testowej i rozwojowej projektu dotyczące zrozumienia siedzących ze sobą struktur przestrzennych i kultury planowania przestrzennego zaleca się rozszerzenie systemu na dalsze obszary przygraniczne. Aby w sposób sprawiedliwy podzielić nakłady związane z bieżącym utrzymaniem Polsko-Niemieckiego Systemu Informacji Planistyczno-Przestrzennej aktualizacja danych odbywać się będzie decentralnie, a więc na własną odpowiedzialność poszczególnych województw i krajów związanych. Poza regularną aktualizacją danych będzie można tylko wtedy skutecznie korzystać z systemu informacji planistycznej, jeżeli zachowanie jego funkcjonalności uzyska u wszystkich biorących w nim udział partnerów odpowiedni priorytet i udostępnione zostaną konieczne do osiągnięcia tego celu środki.

QUELLE: [http://www.mil.brandenburg.de/sixcms/media.php/4055/deutsch_polnische_zusammenarbeit_dperon_dpplis.pdf]

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INSPIRE - INFORMATIONSBROSCHÜRE GRUNDLAGEN, BEISPIELE, TESTERGEBNISSE

Fünfte, vollständig überarbeitete und erweiterte Auflage, März 2010

PRESSEINFORMATION - RTGIS

Keywords: Bodensee, Daten, Datenharmonisierung, Dienste, GDI, grenzüberschreitend, HUMBOLDT, INSPIRE-GMES-Testplattform, Modelle, RTGIS, Testregion, TU-München, WebZugriff.

Contents:

Mit der Verabschiedung von Gesetzen auf Bundes- und Länderebene hat die Umsetzungsphase der am 15. Mai 2007 in Kraft getretenen EU Richtlinie zur Schaffung einer Geodateninfrastruktur in der Europäischen Gemeinschaft (INSPIRE) in Deutschland begonnen.

Durch die Veröffentlichung konkreter Durchführungsbestimmungen zur Richtlinie sowie von harmonisierten, europaweit einheitlichen Datenmodellen in den INSPIRE Data Specifications zeichnen sich die Anforderungen an eine INSPIRE-konforme Bereitstellung von Daten und Diensten immer klarer ab. Gleichzeitig liefern prototypische Tests in grenzüberschreitenden Projekten und Anwendungsszenarien die Erkenntnis, dass es bei der Implementierung einer grenzüberschreitenden Geodateninfrastruktur teilweise komplexer Datenharmonisierungsprozesse bedarf. Hier besteht weiterhin Forschungs- und Entwicklungsbedarf. Ferner gilt es, den potentiellen Nutzen von INSPIRE anhand von Beispielen zu illustrieren.

Dem will die fünfte, vollständig überarbeitete und erweiterte Auflage der Broschüre "INSPIRE - Grundlagen, Beispiele, Testergebnisse" Rechnung tragen, indem einerseits GDI-Verantwortliche vom Bund über die Länder bis hin zu den Kommunen sowie zum Vergleich aus der Schweiz und Österreich über den Stand ihrer INSPIRE-Umsetzungsaktivitäten berichten und andererseits aktuelle, in der Testregion Bodensee durchgeführte, internationale Forschungsprojekte wie die "INSPIRE-GMES-Testplattform", "HUMBOLDT" sowie „Modellbasierter Ansatz für den Web-Zugriff auf verteilte Geodaten am Beispiel grenzübergreifender GIS-Anwendungen (mdWFS)“ vorgestellt werden. Dies geschieht in insgesamt elf Beiträgen von Experten aus Verwaltung, Wirtschaft und Wissenschaft. Darüber hinaus informiert die Broschüre über die Grundlagen und Auswirkungen der Richtlinie sowie den Status-quo der INSPIRE Implementierung, einschließlich der eingetretenen bzw. absehbaren Verzögerungen.

Die Broschüre richtet sich zum einen an Entscheidungsträger und Mitarbeiter aus der Verwaltung, vor allem von Landes- und Kommunalbehörden. Diese sollen dabei unterstützt werden, ihre IT- und GIS-Strategien rechtzeitig auf die Anforderungen von INSPIRE abzustimmen. Zum anderen soll die Broschüre GIS-Anbietern und Dienstleistern, die Lösungen für die INSPIRE-Implementierung anbieten wollen, hilfreiche Informationen liefern. Studenten und Wissenschaftler können sie zum Einstieg in die INSPIRE Thematik und zur Vertiefung ihrer Kenntnisse im Bereich Datenharmonisierung nutzen.

Um die aktuellen Entwicklungen bei der INSPIRE-Umsetzung zeitnäher berücksichtigen zu können, wird die Broschüre nur digital veröffentlicht. Die im September 2009 veröffentlichte vierte Auflage der Broschüre hat weite Verbreitung über die Grenzen Deutschlands hinaus gefunden und wurde auch auf EU Ebene sehr positiv aufgenommen.

- INSPIRE Broschüre Version 5 März 2010, deutsch, druckauflösung (19 MB)
[http://www.rtg.bv.tum.de/clickStats.php?file=images/stories/downloads/projektarbeit/projekte_topaktuell/INSPIREGMES/INSPIRE_Broschure_V5_druck.pdf]
- INSPIRE Broschüre Version 5 März 2010, deutsch, webauflösung (11 MB)
[http://www.rtg.bv.tum.de/clickStats.php?file=images/stories/downloads/projektarbeit/projekte_topaktuell/INSPIREGMES/INSPIRE_Broschure_V5_web.pdf]

QUELLE: TU-München - „Runder Tisch GIS“ (Letzte Aktualisierung: Montag, 08. März 2010)
[http://www.rtg.bv.tum.de/index2.php?option=com_content&task=view&id=462&pop=1&page=0&Itemid=9]

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DEUTSCHLAND UND TSCHECHIEN VERTIEFEN ZUSAMMENARBEIT IN UMWELTBILDUNG UND ARTENSCHUTZ

PRESSEINFORMATION

Keywords: Artenschutz, Grenzgewässer, grenzüberschreitend, Klimaschutz, Kooperation, Umweltbildung, Umweltkommission, UVP, Verwaltungspartnerschaften, Zusammenarbeit.

Contents:

Subject: BMU Pressedienst Nr. 046/10 - Umwelt - Internationales
Date: Mon, 29 Mar 2010 15:59:33 +0200
To: info@GDI-SN.de

Umwelt / Internationales - Reiche: Deutschland und Tschechien vertiefen Zusammenarbeit in Umweltbildung und Artenschutz

Die Bundesregierung hat ein großes Interesse an der Fortsetzung der erfolgreichen Umweltzusammenarbeit zwischen Deutschland und der Tschechischen Republik. „Wir freuen uns, dass wir die Kooperation weiter ausbauen werden, so in der Umweltbildung und im Artenschutz“, sagte Katherina Reiche, Parlamentarische Staatssekretärin im Bundesumweltministerium, zum Abschluss der Sitzung der deutsch-tschechischen Umweltkommission in Dresden. Diese Kommission, die heute zum zehnten Mal getagt hat, geht zurück auf ein 1996 unterzeichnetes bilaterales Umweltabkommen zwischen Deutschland und der Tschechischen Republik. Reiche und die tschechische Umweltvizeministerin Veronika Hunt-Safrankova sitzen der Kommission gemeinsam vor.

Die grenzüberschreitende Zusammenarbeit wird auch künftig im Vordergrund stehen. Hierzu gehören die Verminderung der Geruchsbelastungen in Sachsen und Bayern, die Regelung grenzüberschreitender Umweltverträglichkeitsprüfungen und die Weiterführung der erfolgreichen Zusammenarbeit zum Schutz der Grenzgewässer. Vereinbart wurde eine Kooperation zum Schutz des Luchses. Darüber hinaus wird Deutschland auf Wunsch der tschechischen Regierung verstärkt seine Erfahrungen im Bereich der vorschulischen Umweltbildung weitergeben.

Ein weiterer Schwerpunkt der Gespräche waren die aktuellen Entwicklungen in der inter-nationalen Klimapolitik. Deutschland und die Tschechische Republik sind der Auffassung, dass die EU ihre Vorreiterrolle im internationalen Klimaschutz beibehalten muss und die Inhalte der Kopenhagen-Vereinbarung weiter zu konkretisieren sind.

Hinsichtlich der Heranführung anderer Staaten an die Umweltstandards der EU wollen Deutschland und Tschechien künftig ihre Erfahrungen gemeinsam weitergeben. Sie wollen dabei insbesondere das Instrument der Verwaltungspartnerschaften (EU-Twinning-Programm) nutzen.

QUELLE: Hrsg: BMU-Pressereliefat,
Alexanderstraße 3, 10178 Berlin
E-Mail: [<mailto:mailto:presse@bmu.bund.de>]
Internet: [<http://www.bmu.de/presse>]

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CZECH ASSOCIATION FOR GEOINFORMATION (CAGI)

PRESS - INFORMATION

Vloženo: 10.04.2010

Výpis zprávy - Pojedte se v květnu předvést a "natankovat" do Drážďan!

Dovolujeme si upozornit na zajímavou a užitečnou akci našich dlouholetých partnerů v Německu: výroční **Symposium GI2010 v Drážďanech**. Mnozí Češi si tam již obrousili ostruhy při svém prvním jinojazyčném vystoupení v životě, CAGI vystavila postery za zlatou bránou dráždanské radnice, stydlivky privezly postery a po prvním osmělení se až následující rok odhodlaly samy promluvit. Stačilo zjistit, že nás nikdo nezkouší z gramatiky, a že projekty GIS a zkušenosti české provenience jsou kupodivu použitelné i za humny!

GI2010 proběhne 14.-15.5.2010 na okraji Dráždan ve směru od Prahy, program a podrobnosti najdete na weblogové adrese <http://gdi-sn.blogspot.com/>. Vydržte prosím poněkud nepřehledný design stránky, vedle spousty zajímavostí, které nehledáte, tam po chvíli úsilí skutečně naleznete i všechny potřebné informace.

Symposium GI2010 nabídne mj téma, kvůli kterému vřele doporučujeme účast: přeshraniční GIS a projektová spolupráce CZ-DE-PL. Pro případné zájemce a autory je ještě šance uplatnit svůj příspěvek nebo poster, nebude problém šířit tam své infomateriály. Dráždany jsou nejen administrativním hlavním městem, ale skutečným centrem saské geoinformatiky. Dráždanská technická univerzita či výzkumný IOER institut mají aktivity a výsledky na celoněmecké a evropské úrovni. O zemědělských robotech bez lidské obsluhy, řízených GNSS a realizujících 24 hodin denně v nejoptimálnější části vegetačního období precision farming vbrzku asi více než jen uslyšíme!

Přijedte se podívat, předvedte se, naberte nové kontakty! Uvidíte, co kdo v tomto koutě Evropy v našem oboru dělá, dozvějte se mnohem více než o dění v Německu! Zajímaví rečníci z celé Evropy promluví o trendech stylem, který v Česku stěží uslyšíte stejnými slovy a ve stejných souvislostech! Máme s Německem společného mnohem více, než si připouštíme, a pokud to v geoinformatice myslíme vážně, musíme se se sousedy přinejmenším poměřit, zmapovat situaci.

Budoucnost ovšem spočívá v přímé kooperaci. Proč spolu lidé z protilehlých stran Krušnohoří dodnes navzájem komunikují tak žalostně málo? Budete možná překvapeni, jak je situace v Sasku podobná té naší a zjistíte, že úspěch nemá národnost, že stojí a padá s nápady, důsledností v jejich realizaci a s umnou komunikací s uživateli a zákazníky. **Máme se navzájem čemu učit !** Partnerství, jako cesta ke vzájemně výhodné spolupráci, není dar ani nahodilost, je to až zasloužený výsledek poctivě uskutečňovaných dobrých úmyslů. Geoinformační infrastruktura dneška je nemyslitelná bez bezesvěté přeshraniční geoinformace. Berme to jako výzvu!

Dráždany jsou co by kamenem dohodil, vložné je díky naší partnerské neziskovce IGN a jejím kontaktům na zemskou administrativu více než přijatelné - ve srovnání s cenami srovnatelných akcí kdekoliv v západnější části Evropy. Kombinace vzdálenosti a ceny činí ze sympozia **GI2010** bezkonkurenční šanci pro českého účastníka!

Chcete vykouknout z české bažinky? Osvěžující „svět“ může začínat i v Drážďanech! Těšíme se na Vaši hojnou účast a zurčící češtinu! Pro milovníky kultury doporučujeme po práci legraci: podvečerní výlet parníkem po Labi, s dixielandem a dobrým pivem na palubě - pravděpodobně to zvládnete i bez navigace.

Nashledanou 14.5. v kvetoucím městě na Labi !

(viz blog výše, odkaz [<http://www.cagi.cz/akcevypis.php?id=483>] a tam uvedené přílohy)

Published by: CAGI - Praha (CZ)

E-Mail: [cagi@CAGI.cz]

SOURCE: [<http://www.cagi.cz/novinka.php?id=282>]

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OPENSOURCE - SCHLEICHENDE ABKEHR ? MODERNE VERWALTUNG - ONLINE PRESSEINFORMATION

Keywords: Bürger, E-Government, European Interoperability Framework (EIF), Interoperabilität, IT-Systeme, Kommunikation, Linux-Verband, Marktstandards, Netzwerk LiSoG, öffentlichen Verwaltung, OpenSource, proprietäre Software.

Contents:

[12.4.2010] Der Linux-Verband und das Netzwerk LiSoG mahnen die öffentliche Verwaltung an, sich nicht von **offenen Standards** abzuwenden. Dies sei der falsche Weg und erschwere die elektronische **Kommunikation mit den Bürgern**.

Einen Trend zur Abkehr von **offenen Standards** konstatieren der Linux-Verband (LIVE) und LiSoG, das Netzwerk für OpenSource-Geschäftslösungen im deutschsprachigen Raum. In der **IT-Politik** der Bundesrepublik und in der Europäischen Union würden stattdessen immer mehr **proprietäre sowie patentbehaftete Elemente** erlaubt, heißt es in einer gemeinsamen Pressemitteilung.

Diese Ausrichtung werde die Interoperabilität der IT-Systeme sowie die elektronische Kommunikation zwischen Bürgern und öffentlichen Verwaltungen erschweren und verursache zudem höhere Kosten.

LIVE und LiSoG kritisieren unter anderem, dass die neue Version des **European Interoperability Framework (EIF)** bislang keine akzeptable Definition enthält, was offene Standards konkret ausmacht. Auch die Formulierung im IT-Staatsvertrag, der IT-Planungsrat solle die „vorrangige Verwendung bestehender Marktstandards“ in der IT der öffentlichen Verwaltung vorantreiben“, gebe Anlass zur Sorge. „Marktstandards zu fordern heißt nichts anderes, als bestehende Monopole im IT-Bereich zu festigen“, so Elmar Geese, Vorsitzender des Linux-Verbands.

Es sei den Bürgern nicht zuzumuten, dass sie möglicherweise bestimmte **proprietäre Software** kaufen müssten, um mit Ämtern elektronischen Datenaustausch zu betreiben. Geese: „Unter solchen Vorzeichen würde E-Government ad absurdum geführt. Große Teile der Gesellschaft könnten daran nicht teilhaben.“

Weitere Informationen:

[<http://www.linux-verband.de>]

[<http://www.lisog.org>]

Quelle: [<http://www.move-online.de>]

[Format-edited 12.04.2010 by IGN / FH]

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THE FUTURE OF EUROPEAN AGRICULTURE POLICY - CALL FOR A PUBLIC DEBATE

THE EUROPEAN COMMISSION

PRESSEINFORMATION

Reference: IP/10/419 Date: 12/04/2010

Keywords: CAP, Common Agricultural Policy, EU-Actual, EU-Agrar policy, Europe 2020, European Commission, Future.

Contents:

The European Commissioner for Agriculture and Rural Development, **Dacian Ciolos**, today launched a **public debate** on the future of the **Common Agricultural Policy (CAP)** in the European Union. Since its creation, the CAP has always been adapted to respond to the challenges of its time.

Significant reforms have been made in recent years, notably in 2003 and during the CAP health check in 2008, to modernise the sector and make it more market-oriented. The **Europe 2020 strategy** offers a new perspective. In this context, through its response to the new economic, social, environmental, climate-related and technological challenges facing our society, the CAP can contribute more to developing **intelligent, sustainable and inclusive** growth. The CAP must also take greater account of the wealth and diversity of agriculture in the EU's 27 Member States. The debate launched relates to the CAP's future objectives in the new perspective of the **Europe 2020 strategy**. A discussion on **funding** will come later.

"The Common Agricultural Policy is not just a matter for experts. It's a policy for all Europeans. We must listen to the citizens of Europe. We must take the time to get the ideas and expectations of all stakeholders", said **Mr Ciolos**. "I want the reactions and thoughts not only of farmers, but also of environmental protection associations, consumers, and animal welfare groups. We must open this debate up as much as possible. All of society benefits from this common European policy through food, land-use management, and environmental protection. So obviously citizens should have the right and the time to express their views".

At the end of the year the European Commission will publish a Communication on the future of the CAP after 2013. But, before setting down any initial policy guidelines for this strategic sector, Commissioner Ciolos is launching a public debate on the Common Agricultural Policy's **future, objectives, principles and contribution to the 'Europe 2020' strategy** to inform the preparatory work for the decision-making process. Mr Ciolos announced that a special website [<http://ec.europa.eu/agriculture/cap-debate>] has been created, which will be open for contributions to the public debate until **June 2010**. An independent body will then produce a summary of these contributions. In **July 2010**, the European Commission will organise a conclusive conference on the public debate. It hopes to draw strong ideas from this to develop its Communication on the CAP after 2013, which should be presented at the end of 2010.

In addition to how the CAP can contribute to developing the Europe 2020 strategy, **the public debate will centre around four main topics**:

- Why do we need a European Common Agricultural Policy?
- What are society's objectives for agriculture in all its diversity?
- Why should we reform the CAP and how can we make it meet society's expectations?
- What tools do we need for tomorrow's CAP?

In his speech to the **European Parliament's Agriculture Committee (COMAGRI)**, Commissioner Ciolos also raised a series of more in-depth questions on the **problems** of food security in Europe and throughout the world, **employment** in rural areas, **sustainable management of natural resources**, **climate change**, price volatility, **public understanding** of the aid, fairness in the **food chain** and the **competitiveness of European agriculture**.

For more information:

[<http://ec.europa.eu/agriculture/cap-debate>]

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12/04/2010

WELCHE LANDWIRTSCHAFT BRAUCHT DAS EUROPA VON MORGEN ?

Aufruf zur öffentlichen Diskussion

Dacian Ciolos, für Landwirtschaft und ländliche Entwicklung zuständiges Mitglied der Europäischen Kommission, hat heute eine *öffentliche Debatte über die Zukunft der Gemeinsamen Agrarpolitik (GAP)* in der Europäischen Union angestoßen. Seit ihrer Einführung wurde die GAP immer wieder an die Herausforderungen ihrer Zeit angepasst. In den letzten Jahren, insbesondere 2003 und mit dem GAP-Gesundheitscheck von 2008, wurden wichtige *Reformen* durchgeführt, um den *Agrarsektor* zu modernisieren und stärker am *Markt* auszurichten.

Die Strategie „Europa 2020“ eröffnet nunmehr eine neue Perspektive. In diesem Zusammenhang kann die GAP einen noch größeren Beitrag zur Förderung eines intelligenten, nachhaltigen und inte-grativen Wachstums leisten, indem sie Antworten auf die vor uns stehenden neuen Herausforderungen aus Wirtschaft und Gesellschaft wie auch in Bezug auf Umwelt, Klima und Technologie liefert.

Außerdem muss die GAP der Vielfalt und dem Reichtum der Landwirtschaft in den 27 EU-Mitgliedstaaten Rechnung tragen. Die jetzt angestoßene Debatte ist den *künftigen Zielen der GAP* angesichts der neuen Perspektive der Strategie „Europa 2020“ gewidmet. **Die Diskussion über die Instrumente zur Zielerreichung** wird dann später folgen.

„Die Gemeinsame Agrarpolitik ist nicht nur Sache der Spezialisten. Sie geht alle EU-Bürger an. Deshalb müssen wir den Bürgern Europas zuhören. Wir müssen uns Zeit nehmen, um die Ideen und Erwartungen aller gesellschaftlichen Akteure zu sammeln“, erklärte Ciolos. „Ich erwarte die Reaktionen und Diskussionsbeiträge der Landwirte, aber auch der Umweltschutzverbände, der Verbraucher- und der Tierschutzorganisationen. Wir müssen diese Diskussion so offen wie möglich führen. Durch die Versorgung mit Nahrungsmitteln, die Raumordnung und den Umweltschutz kommt die EU-Agrarpolitik der gesamten Gesellschaft zugute. Es ist also nur recht und billig, dass den Bürgern die Gelegenheit und die Zeit gegeben wird, ihre Meinung zu äußern“, so Ciolos.

Die Europäische Kommission wird Ende des Jahres eine *Mitteilung über die Zukunft der GAP nach 2013* vorlegen. Bevor jedoch die ersten politischen Leitlinien für diesen strategischen Sektor festgelegt werden, will Kommissar Ciolos eine *öffentliche Diskussion über die Zukunft der Gemeinsamen Agrarpolitik*, ihre Ziele, ihre Grundsätze und ihren Beitrag zur Strategie „Europa 2020“ anstoßen, deren Ergebnisse in die Vorarbeiten zum Entscheidungsprozess einfließen sollen.

Dacian Ciolos gab bekannt, dass für die Entgegennahme der **Beiträge zur öffentlichen Diskussion** eine Internetseite [<http://ec.europa.eu/agriculture/cap-debate>] eingerichtet wurde, die bis **Juni 2010** zur Verfügung steht. Danach wird eine unabhängige Einrichtung die darin eingegangenen Beiträge zusammenfassen. Im **Juli 2010** veranstaltet die Europäische Kommission sodann eine Konferenz, um die öffentliche Diskussion auszuwerten. Sie hofft, mit dieser Auswertung gute *Ideen für ihre Mitteilung zur GAP nach 2013* zu finden, die Ende 2010 vorliegen soll. Neben der Erörterung, welchen Beitrag die GAP zur Umsetzung der Strategie „Europa 2020“ liefern kann, gliedert sich die öffentliche **Diskussion um folgende vier Hauptthemen:**

- *Wozu brauchen wir eine Gemeinsame Agrarpolitik der EU?*
- *Welche Ziele weist die Gesellschaft der Landwirtschaft in ihrer Vielfalt zu?*
- *Weshalb soll die GAP reformiert werden, und wie lässt sie sich an den Erwartungen der Gesellschaft ausrichten?*
- *Welche Instrumente benötigt die GAP von morgen?*

In seiner Ansprache vor dem **Ausschuss für Landwirtschaft des Europäischen Parlaments** hat Ciolos neben diesen entscheidenden Themen auch eine Reihe detaillierterer Fragen angeschnitten, so z. B. die **Probleme** bei der Versorgung mit Lebensmitteln in Europa und weltweit, die **Beschäftigung** in den ländlichen Gebieten, die **nachhaltige Bewirtschaftung der natürlichen Ressourcen**, den **Klimawandel**, die ausgeprägten Preisschwankungen, die Verständlichkeit der Beihilfen für den Bürger, die ausgewogene **Berücksichtigung aller Akteure der Ernährungswirtschaft** sowie die **Wettbewerbsfähigkeit der europäischen Landwirtschaft**.

Weitere Informationen:

[<http://europa.eu/rapid/pressReleasesAction.do?reference=IP/10/419&format=HTML&aged=0&language=EN&guiLanguage=en>]
[<http://europa.eu/rapid/pressReleasesAction.do?reference=IP/10/419&format=HTML&aged=0&language=DE&guiLanguage=en>]

[<http://www.lisog.org/>]

QUELLE: [http://ec.europa.eu/deutschland/press/pr_releases/9100_de.htm]

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RAUMINFORMATIONS- UND PLANUNGSSYSTEM FÜR DEN SÄCHSISCH-BÖHMISCHEN GRENZRAUM PRESSEINFORMATION

Der Medienservice wird Ihnen vom Pressereferat der Sächsischen Staatskanzlei und von den Pressestellen der Ministerien angeboten.

14.04.2010

SMI - Innenpolitik, Landesentwicklung, Infrastruktur

Rauminformations- und Planungssystem für den sächsisch-böhmisches Grenzraum

Der Freistaat Sachsen wird gemeinsam mit Trägern der Regionalplanung aus dem gesamten sächsisch-tschechischen Grenzgebiet ...

>> Meldung lesen [<http://www.medienservice.sachsen.de/medien/news/39198>]

14.04.2010: SMI - Innenpolitik, Landesentwicklung, Infrastruktur

Rauminformations- und Planungssystem für den sächsisch-böhmisches Grenzraum

Der Freistaat Sachsen wird gemeinsam mit Trägern der Regionalplanung aus dem gesamten sächsisch-tschechischen Grenzgebiet *in den kommenden drei Jahren ein grenzübergreifendes Rauminformations- und Planungssystem unter dem Projektnamen CROSS-DATA* aufbauen. Damit sollen die notwendigen Grundlagen für eine Vielzahl von Entscheidungen und Prozessen im Planungsbereich bei Verwaltungen, Wissenschaft und Wirtschaft, aber *auch für den einzelnen Bürger* geschaffen beziehungsweise leichter zugänglich gemacht werden.

Bislang verhindern unterschiedliche technische Systeme und Standards eine Verknüpfung der an vielen Stellen auf der sächsischen und böhmischen Seite gespeicherten Daten. Damit Informationen auch **grenzüberschreitend** schnell und **in einer verständlichen Form ausgetauscht** werden können, bedarf es eines computergestützten Netzwerks, welches den *Austausch von Informationen* ermöglicht. Künftig können die Nutzer auf einen Blick und auch *jenseits der Grenze erkennen, welche Planungen* etwa im Bereich von Gewerbegebieten oder Ortsumgehungsstraßen vorgesehen sind.

So lassen sich Planungen frühzeitig miteinander abstimmen und optimieren.

Hintergrundinformation

Projektlaufzeit: 36 Monate, 03/2010 – 2/2013

Projektvolumen: 1.892.077 Euro, davon 1.606.950 Euro aus dem Europäischen Fonds für Regional-Entwicklung (EFRE)

Projektpartner:

- Sächsisches Staatsministerium des Innern
- Landesamt für Umwelt, Landwirtschaft und Geologie
- RPV Südsachsen
- RPV Oberes Elbtal / Osterzgebirge
- RPV Oberlausitz-Niederschlesien
- Bezirk Karksbad (Karlová Voda)
- Bezirk Aussig (Ústí nad Labem)
- Bezirk Reichenberg (Liberec)

Förderprogramm:

Das **Ziel3-Programm** zur **Förderung der grenzübergreifenden Zusammenarbeit** zwischen dem Freistaat Sachsen und der Tschechischen Republik 2007-2013 unterstützt Projekte aus über 100 Bereichen des täglichen Lebens - von *Infrastruktur über Bildung, Kultur und Wirtschaft bis hin zu Natur- und Umweltschutz* - mit rund **207 Millionen Euro** aus dem Europäischen Fonds für Regional-Entwicklung (EFRE).

Mehr Informationen unter [<http://www.ziel3-cil3.eu>].

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Internet: [<http://www.medienservice.sachsen.de/medien/news?page=3>]

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BayernGIS GmbH - Kolbermoor - BY.de

MIL - Ministerium für Infrastruktur und Landwirtschaft - Brandenburg - BB.de

Alta4 - Trier - RP.de

Business-Geomatics GmbH - Köln - NW.de

CAGI - Czech Association for GeoInformation - CZ

CAIGOS - Partner - NETZWERK - DE

ARCHIKART AG - Lauchhammer - BB.de

CAIGOS GmbH - RP.de

GIS-Konzept GmbH - Leipzig - SN.de

NTR-Software-GmbH - Heidesheim - RP.de

CCSS - Czech Center of Science & Society - Prague - CZ

GISOR / SIGRS - CH+DE+FR

IDRA Ltd. - Brussel - BE / London - UK

KULK - Regional Government Liberec - CZ

ORK - Trilateral Ober-Rhein-Konferenz - CH+DE+FR

PROGIS GmbH - Villach - AT

SAGI - Slovak Association for GeoInformation - SK

Slovak Technical University - Departments of CAD & Mapping - Bratislava - SK

SOGI - Swiss Organization for GeoInformation - Bern / Swiss Topo - Wabern - CH

Technical University - Department of AST - Dresden - SN

West Bohemian University - Pilsen - CZ

Wroclaw Bureau Urbanistics - PL

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GDI-SN-Liste:

[<http://www.list.kbx7.de/list?enter=GDI-SN-L>] Gegründet: 08 / 2002

Ein öffentlicher WebMailService als offen zugängige GIS-Forum-Liste, die durch [KBX7.de] - kostenlos - gehostet wird. Enthält ein breites Spektrum von News-Themen zu Geodaten, Geodiensten und Geo-Dienste-Infrastrukturen. Wird zunehmend durch Weblog-Readings auf dem Geospatial Saxony Portal ergänzt.

[<http://www.kbx7.de/?id=11265&c=list>]

OPENDOOR-List:

[<http://www.list.kbx7.de/list?enter=OPENDOOR-C>] Gegründet: 09 / 2002

OpenDOOR-C list is a closed information, communication and transaction forum for local & regional network coordinators within the frameworks of former FP6 and actual FP7 preparation process. OpenDOOR aims to promote open, interoperable and mobile GEO-ENVIRONMENTAL-SPATIAL information systems (OpenGIS, OpenLBS, MobilGIS) and to develop further geo&web-enabled open solutions based on FOSS (free open sources & standards) and global interoperability specifications [<http://www.kbx7.de/?id=11342&c=list>].

NATURNET-List:

[<http://www.list.kbx7.de/list?enter=NATURNET-L>] Gegründet : 01 / 2004

NaturNet-L is a closed & password protected Information & Communication LISTSERVICE for NATURNET Project-Community-Members and was helpful especially during the project development periode before project "Kick-off" in March 2005. Still alive and used primarily for information services about sustainable regional development [<http://www.kbx7.de/?id=14242&c=list>].

CZ-cbc-SN-List:

[<http://www.list.kbx7.de/list?enter=CZ-cbc-SN-L>] Gegründet: 09 / 2004

Communication, Coordination & Collaboration Across Borders of Bohemia<>Saxonia Euregios. Is dealing with INSPIRE'd Geodata, Geoinformation and GeoServices for GEOSpatial Planning and Decision making.

[<http://www.kbx7.de/?id=15074&c=list>].

EURASIA-List:

[<http://www.list.kbx7.de/list?enter=EURASIA-L>] Gegründet: 09 / 2004

2004: Information list with Eurasian (mostly Chinese) university staff. Its goal is project development within the EU support programme for Asian countries. [<http://www.kbx7.de/?id=15016&c=list>]

PL-cbc-SN-List:

[<http://www.list.kbx7.de/list?enter=PL-cbc-SN-L>] Gegründet: 05 / 2006

Communication, Coordination & Collaboration Across Borders of Saxonia<>Silesia Euregios INSPIRE'd Geodata, Geoinformation and GeoServices for GEOSpatial Planning and Decision making. It is an OPEN GEO-WebForum for stakeholders and endusers in the cadastral, planning and geo-enviro-spatio information sectors. [<http://www.kbx7.de/?id=16378&c=list>].

BOWGIS-Liste:

[<http://www.list.kbx7.de/list?enter=BOWGIS-L>] Gegründet: 08 / 2008

Ausbildung, Weiterbildung und Training on Geoinformation und Geodienste-Infrastruktur für BOWGIS-Kurs-Teilnehmer @FAA (BOW Bildungswerk Ost-West) [<http://www.kbx7.de/?id=18316&c=list>].

DE-OSM-SN-Liste:

[<http://www.list.kbx7.de/list?enter=DE-OSM-SN-L>] Gegründet : 01 / 2009

Das OGC und die OSGeo haben am 7. Januar 2009 ein strategisches "Memorandum of Understanding" unterzeichnet. Dies hatte wesentliche Auswirkungen in beiden GeoSpatial Communities haben, somit auch für das globale Projekt "OpenStreetMap" - als ein Teilprojekt der OSGeo Foundation! Die Mehrzahl der sächsischen OSM-User kommt gegenwärtig aus Dresden und trifft sich regelmäßig beim so genannten "Dresdner OSM-Stammtisch" [<http://www.kbx7.de/?id=18536&c=list>].

Weblog Geospatial Saxony [<http://GDI-SN.blogspot.com>] Gegründet : 12 / 2006



30 Dec 2009 to 1 May 2010:

1,296 visits shown above

Statistics updated 9 May 2010@06:54 GMT:

1,403 visits

(Total since 28 Dec 2007: 4,815. Previous 24hrs: 7).



Access 2009

2,138 visits shown above



Access 2008

1,274 visits shown above

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