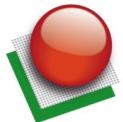


Towards the Digital Earth

A virtual tour on HUNAGI blog posts published since ISDE-6

Gábor Remetey-Fülöpp
Secretary-general, HUNAGI

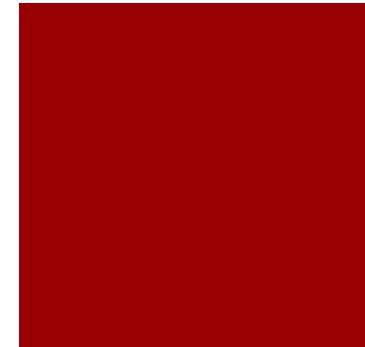


HUNAGI

ISDE7 The Knowledge Society. Hosted by WALIS, Perth, Australia,
23-25 August, 2011

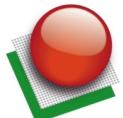
Towards the Digital Earth

A virtual tour on HUNAGI blog posts
published since ISDE-6



- Introduction of HUNAGI
- HUNAGI blogs
- HUNAGI actions since ISDE6
- HUNAGI blog posts relevant in the DE context
- Some Hungarian achievements
- Conclusions

Content



HUNAGI

ISDE7 The Knowledge Society. Hosted by WALIS, Perth, Australia, 23-25 August, 2011

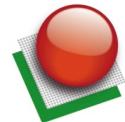
HUNAGI

Flashback

Features

Mission goals

Milestones



HUNAGI

HUNAGI flashback

Flashback

Features

Mission goals

Milestones

■ Establishment

1994 by learned societies

■ Drivers on European Level

European level: Bangemann report, J.Delors's White Book, DG IT
DG Industry, EUROGI Establishment

■ Drivers on National Level

Impact of the Central European GIS/LIS Conferences 1993-1996
Multidisciplinary needs to adopt the European model (EUROGI)
in line with the preparation of EU accession

■ Relevance today

1994: Growth, Employment, Competitiveness

2011: Additional challenges: Sustainability, Financial crisis and a
need for more R+D/Innovation



HUNAGI features

- Non-profit, interdisciplinary, umbrella civil organisation
- Members from Government, Academia, Private Sector and NGOs
- Members: 88 institutions and organisations (2011)

Flashback

Features

Mission goals

Milestones

Members of HUNAGI

ACADEMIA	GOVERNMENT	PRIVATE SECTOR	NON-GOVERNMENTAL
1994 12 Faculty of Geoinformatics, University of West-Hungary	1995 11 Hungarian Space Research Office	2001 34 Bonaventura GIS Market Analysis and Publishing Ltd. www.terinformatika-online.hu	1994 1 gitá Hungary Geospatial Information & Technology Association
1996 14 ATC Agroinformatics and Applied Mathematics Dept, University of Debrecen	1996 15 Mapping Service of the Hungarian Defence Forces	36 DigiTerra GEOinformatics System House Ltd www.digiterr.hu	3 Hungarian Society of Surveying, Mapping and Remote Sensing
1997 23 Dept of Physical Geography, József Attila Univ. of Sciences	1997 16 Geological Institute of Hungary (MÁFI)	38 GeoX Ltd www.geox.hu	1998 Hungarian Federation of Agroinformatics (MAGISZ)
1999 25 Institute for Environmental and Landscape Management, Szent István University, Gödöllő	1999 17 Institute of Geodesy, Cartography and Remote Sensing (FÖMI) incl. 8 subscribed projects (INSPIRE, LandCover, LPIS, PIR, GNSS, Int'Relations, MADOP DigitallandOffices, VINGIS)	39 Térkép (HISZI-MAP) Ltd. www.hiszimap.hu	2003 82 UN FAO SEUR, Budapest
2000 26 Chair of Landscape Planning and Regional Development, Budapest Corvinus University	1998 18 GRID Budapest	44 National Cadastral Programme Non-profit Co. www.nkp-kht.hu	2010 159 CASCADLOSS Hungary, Budapest
27 Research Institute of Soil Sciences and Agrochemistry of	24 Regional Development and Town Planning PNC (VÁTI)	2002 52 Congress Ltd www.congress.hu	LOCAL GOVERNMENT DIVISION
		54 ESRI Hungary Ltd www.esrihu.hu	2005 115 Szombathely
		56 Geodézia Ltd	2007 135 Zalaegerszeg





HUNAGI

mission goals

Flashback

Features

Mission goals

Milestones

- To promote and facilitate the availability, access and usability of spatial data
- To raise awareness, disseminate information related to INSPIRE, PSI, standards, opensource, best practices and innovative solutions

To reach these goals, special emphasis is given to the establishment of horizontal networking among disciplines and sectors

HUNAGI

horizontal networking

Flashback

Features

Mission goals

Milestones

Intelligent
Transportation
Systems

ITS

Hung.Soc
Surveying, Mapping
Remote Sensing

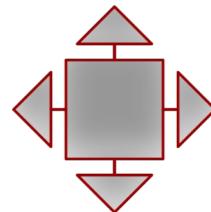
MFTT

Hung Fed
Agroinformatics

MAGISZ

Hung.Soc. Inventory,
Logistics Purchase

MLBKT



Hung Fed
eContent Industry

MATISZ

Hung. Urbanistical
Knowledge Centre

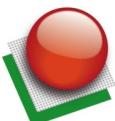
MUT

Hung CASCADOSS
Ass. on Opensource

CASCA
DOSS

Hung.Space
Research Cluster

HUNSPA
CE



HUNAGI

HUNAGI

horizontal networking

Flashback

Nature

Mission goals

Milestones



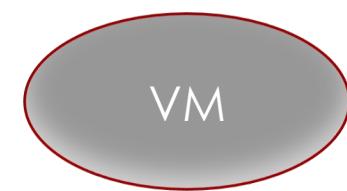
Hung Standardisation Board
Working Committee on GIS (828)



Hungarian Space Research
Council, Ministry of National Development



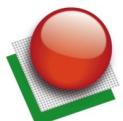
Ministry of Foreign Affairs



Ministry of Rural
Development



Geoinformatic Subcommittee
Hungarian Academy of Sciences



HUNAGI

HUNAGI

milestones in international relations

Flashback

Nature

Mission goals

Milestones

- Bridging International links with EU GI actors
GIS/LIS 1993-1996
- Joining **EUROGI** activities in 1994
Membership in 1996, ExCom seat between 1998-2010
- Joining **GSDI** activities in 1996
Participation all of the World Conferences, GSDI6 in Budapest,
Seats in Advisory Board, Board of Directors since 1998, Active
in Legal & SocioEcon Committee and Consultancy
- Upgrade in 2002
Acknowledged as Public Benefit Civil Organisation
- Joining **ISDE** activities in 2003



HUNAGI blogs

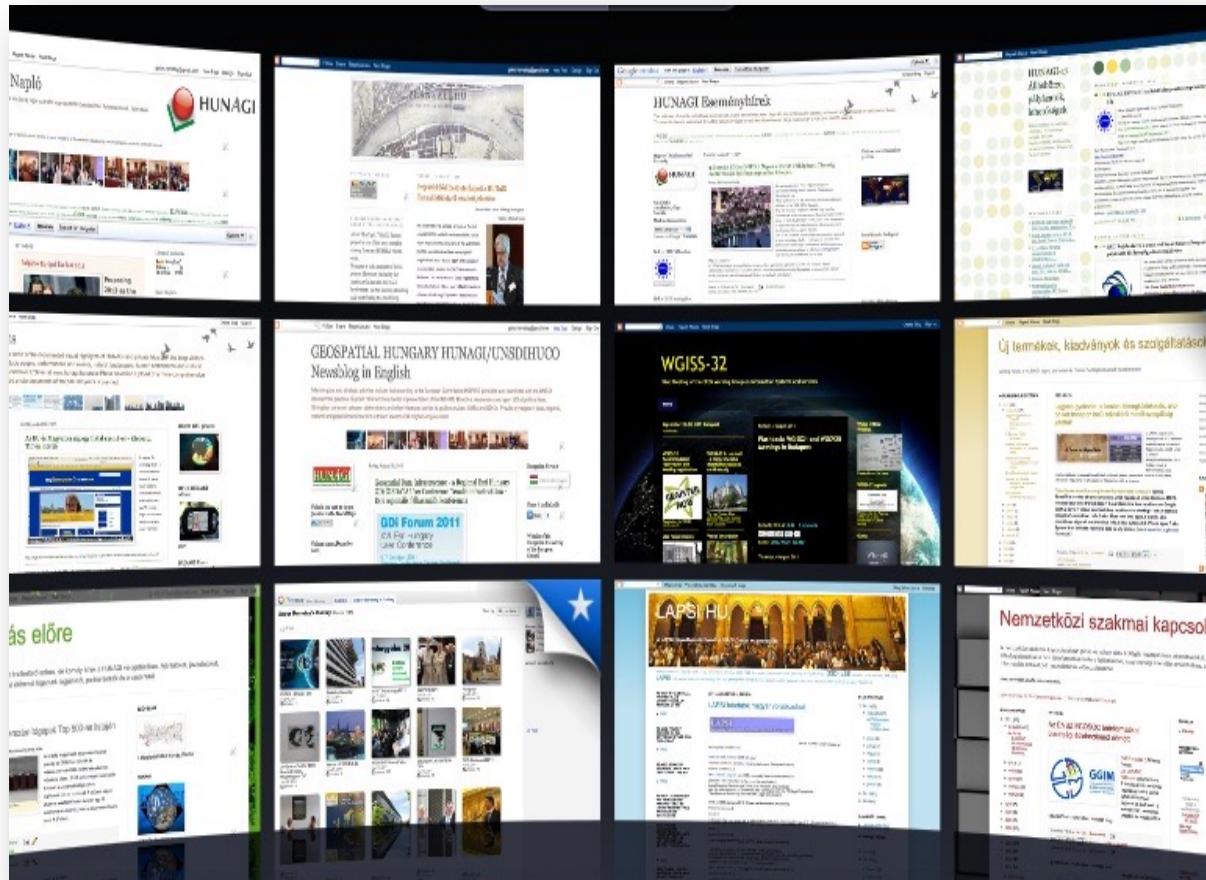
HUNAGI Napló

Blog in English

Calendar blog

Project-related
blogs

HUNAGI visuals
Resource



Advantage: easy to edit and publish even in mobile environment.
Feedback capability, RSS, Infoharing using Twitter, Facebook etc.

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HUNAGI blogs

Themes cover the SDI strategy proposal elaborated by an intersectoral committee mandated by the former Ministry of Informatics and Communication in 2004

HUNAGI Napló

Blog in english

Calendar blog

Project-related
Blogs

HUNAGI visuals
Resource



HUNAGI Napló

<http://hunagi8.blogspot.com/>

Started in April 2006

HUNAGI Napló

Blog in english

Calendar blog

Project-related
Blogs

HUNAGI visuals
Resource

HUNAGI Napló

A magyarországi térinformatikai közösség tagjai számára vagy részéről közérdeklődést feltételező hírek, felhívások.



Magyar Térinformatikai Társaság (HUNAGI) honlapja (hamarosan elérhető)

HUNAGI

Klikk a bannerre

2011-08-19

Polgárok Európai Éve lesz 2013



Proposing 2013 as the "European Year of Citizens"

11/08/2011

2013 will mark the 20th

Látogatói statisztika

ShinyStat™

Today p.v. 18

Tot p.views 137058

Saját bloglista

HUNAGI Napló



Polgárok Európai Éve lesz 2013 - "Proposing 2013 as the European Year of Citizens" 11/08/2011 2013 will mark the 20th anniversary of the establishment of Union citizenship under the Maas...



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HUNAGI Napló

HUNAGI Napló

Blog in English

Calendar blog

Project-related
blogs

HUNAGI visuals
Resource



ISDE7 The Knowledge Society. Hosted by WALIS, Perth, Australia, 23-
25 August, 2011

<http://hunagi8.blogspot.com/>

Last entry: August 21 2011
947 posts since ISDE6

HUNAGI Napló

A magyarországi térinformatikai közösségi tagjai számára vagy részéről közérdeklődést feltételező hírek, felhívások.



Magyar Térinformatikai
Társaság (HUNAGI) honlapja
(hamarosan elérhető)



Klikk a bannerre



Gépi fordítás (English - angol,
Italian - olasz, German -
német)

Machine translation

Select Language
Powered by Google™ Translate

2011-08-21

EUROGI támogatja a HUNAGI ISDE8 pályázatát. A
levélváltást másolatban a HUNAGI is megkapta.



Perth Konferencia és Kiállítási Központ,
a kezdeni kezdődő 7. Digitális Föld
Szimpózium színhelye.
Hétfőn a nemzetközi szervezet
végrahajtó bizottsága tart ülést. A
HUNAGI pályázati anyaghoz tegnap
támogató levelet küldött a pekingi
titkángra az EUROGI elnöke, melyet
nem csak visszaigazoltak, de ha
nyeménk, a támogatás részül az
EUROGI elnöke és az ISDE főtitkára a
decemberi Abu Dhabiban rendezendő

Látó
Toda
Tot p
Saja

B

HUNAGI blog in English

Established on 23 October 2006
Number of posts since ISDE6: 239

- 2006-2007 <http://hunagi.blogspot.com>
2008 <http://hunagi56.blogspot.com>
2009- <http://unsdihu.blogspot.com>

HUNAGI Napló

Blog in English

Calendar blog

Project-related
blogs

HUNAGI visuals
Resource



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GEOSPATIAL HUNGARY HUNAGI/UNSDIHUCO Newsblog in English

Mission goals and strategic priorities include: Act according to the European Commission INSPIRE principles and coordinate with the UNSDI development process. Support national/cross-border implementation of the INSPIRE Directive. Awareness raising on SDI at political level. Strengthen cohesion between stakeholders and other interested parties ie. public services, SMEs and SDICs. Provide synergies in local, regional, national and global dimensions with outreach towards EU neighbouring countries



[View My Gallery](#)



[Hungarian Version](#)



[Share it on LinkedIn](#)



[Website of the
Hungarian Presidency
of the European
Council](#)

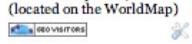


To visit please click on
the logo



[Local time in
Budapest](#)

HUNAGI
Hungarian Association for Geo-information

Visits in the past 24 hours
(located on the WorldMap)


Friday, August 19, 2011

Geospatial Data Infrastructure - A Regional Esri Hungary GDi GISDATA User Conference Téradat infrastruktúra - Esri regionális felhasználói konferencia

GDi Forum 2011
XVI. Esri Hungary User Conference
6-7 October 2011
Boscolo Conference Centre, Budapest

GDI GISDATA Office Services esri

Dear GDI users, partners and professional colleagues,

Perth, Western Aus
ravolvarmane

Share it on LinkedIn

Share

Website of the Hungarian Presidency of the European Council

2011.hu

To visit please click on the logo

Local time in Budapest

HUNAGI calendar blog

News on forthcoming events
(also distributed by e-Newsletter for 450 addressees)
<http://hunagi19.blogspot.com>

Started on 13 January 2007, 293 posts since ISDE6
23 k visitors in the last 8 months

Links are provided to EUROGI, GSDI, ISDE, GEO, ISPRS,
FIG, ICA and OGC calenders as well

HUNAGI Napló

Blog in English

Calendar blog

Project-related
blogs

HUNAGI visuals
Resource

HUNAGI Eseményhírek

This calendar of events, workshops, conferences, public assemblies, open days etc are continuously updated, enhanced and developed on participatory basis.
Your contributions is welcomed. Ez a blog szívesen fogad olvasói hozzájárulásokat. Hívja részletekért a +36 30 415 8276 számot.

30 AGEO Cascades 2.0 Cascades GEODE CME Disaster Risk e-Government ESD-NET ESPON Esri Magyarország EUROGI FIG FutureCT GD Forum GS-education Giscay GSDI ICT INSPIRE INTERGEO 2011 ISDE KU Leuven LBS MFTTF OGC Open Geodata Open

Magyar Térinformatikai Társaság Thursday, August 11, 2011

3. Horváth SDI és INSPIRE Nap és a Horvát Térképészeti Társaság Konferenciája Splitben szeptember közepén.

Förmérés: Split utazási idő

Ma esti postánkból: Prof. Miljenko Lapaine, szervezőbizottsági elnök a Horvát Térképészeti Társaságtól írja:
"Dear participant of the Workshop for Building Network Related to the SEE SDI in Szeged, the 3rd Croatian NSDI and INSPIRE Day and 7th Conference on Cartography and Geoinformatics will take place in Split, September, 14-16, 2011. The conference is organised by the State Geodetic Administration and the Croatian Cartographic Society.
Due to the fact that spatial data are especially important in your everyday activity, I invite you to consider your participation at the Split conference. All information and registration are available at <http://www.kartografija.hr>. I am looking forward to see you in Split,

Visitors since December 5, 2010
22,916 Visits
3 Recent Hits
Szentendre Somogy

Perth, Western Australia
revolvemaps

Local time in Budapest
Blogger

World Timer



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HUNAGI project-related blogs

This is not a blog
Hungarian version
of the EU project
website

HUNAGI Napló

Blog in English

Calendar blog

**Project-related
blogs**

HUNAGI visuals
Resource

The screenshot shows a news item from the EURADIN website. The headline reads "Nyílt Címek portálja Béta verziója elérhető 11 milliárd címmel". The text below discusses the launch of the Open Addresses beta version, mentioning Prof. Gérard Paulus's letter and the successful launch of the [openaddresses.org](http://www.openaddresses.org) portal.



ESDINetplus Hungarian version
Best practices in subnational SDIs
and self-evaluation methodology
<http://www.esdinetplus.eu/hu>

EURADIN project blog
European Address Harmonisation
<http://euradinhu.blogspot.com>

Plan4all project blog
Digital Spatial Planning
<http://plan4allhu.blogspot.com>

LAPSI project blog
Legal aspects of PSI
<http://lapsihu.blogspot.com>

HUNAGI visuals resource

HUNAGIALBUMS

<http://picsaweb.google.com/hunagialbums>

Started in January 2008

Number of albums so far: 219 including ISDE events

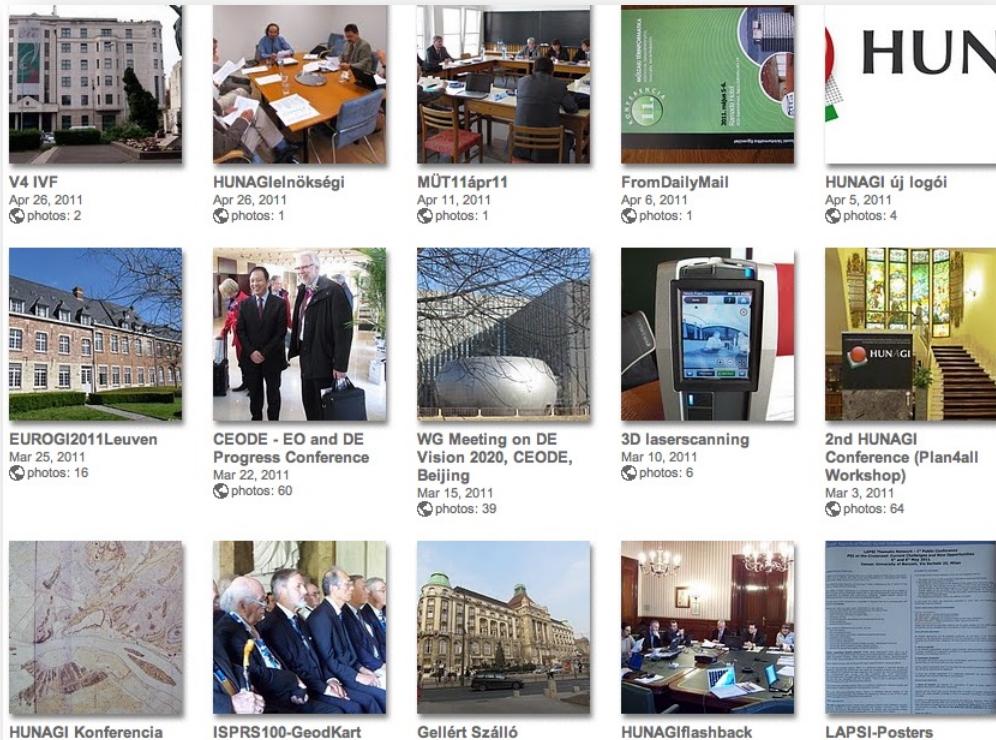
HUNAGI Napló

Blog in English

Calendar blog

Project-related
Blogs

**HUNAGI visuals
Resource**



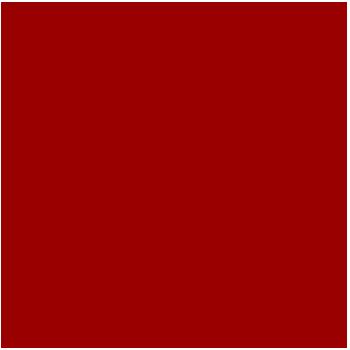
Photographic coverage incl. ISDE events incl. 3rd ISDE Symposium

ISDE7 The Knowledge Society. Hosted by WALIS, Perth, Australia, 23-
25 August, 2011

HUNAGI actions since ISDE6 (1/4)

Informing the Community about

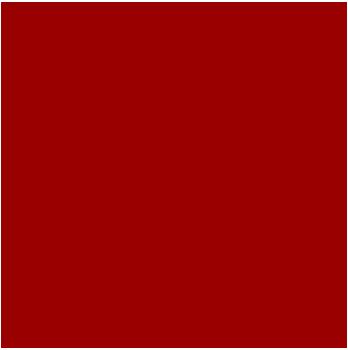
- the GEO membership of ISDE
- a study on megatrends entitled “*Informatics everywhere*” published by the National Council of Communication and Informatics (NHIT)
- Europe and the Digital Earth – brainstorming arranged by DG JRC SDI Unit
- the *closing meeting of Int'l Year on Planet Earth*, a global, networked action of the geoscience community and UNESCO (ISDE reported)
- Joint Meeting of the Hung Space Research Council and the Scientific Council on Space Research (ISDE reported)



HUNAGI

actions since ISDE6 (2/4)

- *1st HUNAGI Conference on Open Data and FOSS*
- Participating the HUMBOLDT workshop (data harmonisation for use in INSPIRE and GMES)
- Participating the eSDI-NET+ project SDI self evaluation brainstorming Dissemination of the EU address project
- Participating the CEOS WGISS at UN SPIDER Bonn with poster on VINGIS project of FÖMI
- Partnership with Governmental Agencies (MoND, MoRD, MoFA, State Audit Office)
- INSPIRE SDIC, Presentation at Geodetic and Geoinformatics Comm of NatAcadSciences
- Participation of the ISDE Summit in Nessebar BG
- Participation of the INSPIRE 2010 Conference



HUNAGI

actions since ISDE6 (3/4)

Informing the Community about

- Digital Agenda of the European Union
- Contribution to Space Strategy, Digital Hungary Strategy
- 2nd HUNAGI Conference on Digital Spatial Planning - a dissemination action for the EU Plan4all project
- Participating the Digital Earth Vision 2020 Workshop
- Participation of the LAPSI project workshops and conference. Arranging paper in IJDE
- Contributing to videobroadcasted ESDIN workshop
- Future Emerging Technologies,



HUNAGI actions since ISDE6 (4/4)

Informing the Community about

- EU Common Strategic Framework on Res + Innovation,
- Internet of Things conference
- Open Governmental Data in Europe/Hungary,
- InfoSo Parliament,
- 2nd Geospatial Summit
- Participation of SDI in SEEC Workshop of CME Delegated representation of EUROGI
- Participation of PCC Conference and Plenary hosted by Hung. Surveying. Mapping and Cadastral Authority

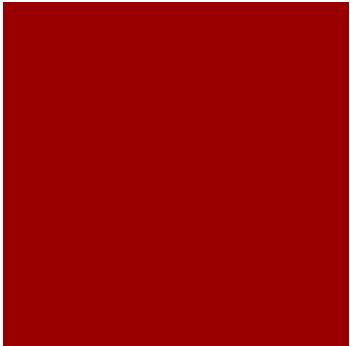
Ahead:

- Hosting CEOS WGISS-32 in Budapest in September

The screenshot shows the CEOS Committee on Earth Observation Satellites website. At the top, there's a banner for the "CEOS Committee on Earth Observation Satellites". Below it, a sub-banner for the "Working Group on Information Systems and Services WGISS-32 Meeting". The main content area features a large image of the Hungarian Parliament building. On the left, there's a sidebar with links to various working groups and subgroups, such as WGISS Home, CEOS Home, About WGISS, Working Groups, Meetings, Documents, Contacts, Links, Applications Subgroup, Web Services Interest Group, Land Surface Imaging Interest Group, Atmospheric Composition Interest Group, Global Databases Interest Group, GDA Project, WADC Project, Water Portal Project, Technology Subgroup, Web Services Interest Group, Grid Interest Group, and WADC Project. At the bottom right, there's a "Portals" section with links to "CEOS International Directory" and "CEOS Brochure".



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25 August, 2011



Disseminated blog post themes
relevant in the DE context
besides INSPIRE, GMES, SEIS...

Digital Agenda for Europe

2010-2020

<http://Ec.europa.eu/digital-agenda>

eGov Plan for Europe

2011-2015

www.fomi.hu/hunagi/pdf/2004/European-eGovernement-Plan.pdf

EU: Flagship Emerging ICT technologies



Neelie Kroes © European Union, 2011



IoT conference in Budapest

IoT-A Internet of Things Initiative

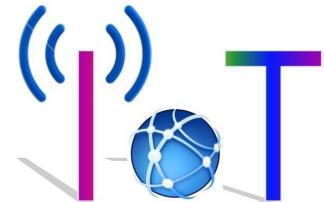
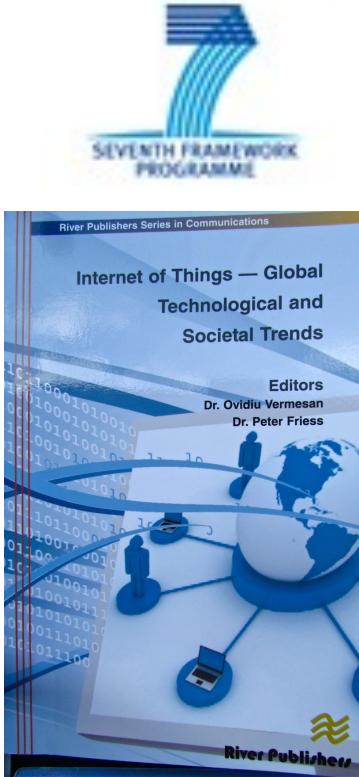
- Links of things
- Web of things
- Connected objects
- Real world internet 4D

www.iot-i.eu

IoT-A Internet of Things Architecture

- Smart Home
- Intelligent Transport System
- Productive business environment
- Efficient logistics and retail
- Safe health monitoring
- www.iot-a.eu

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Digital spatial Planning



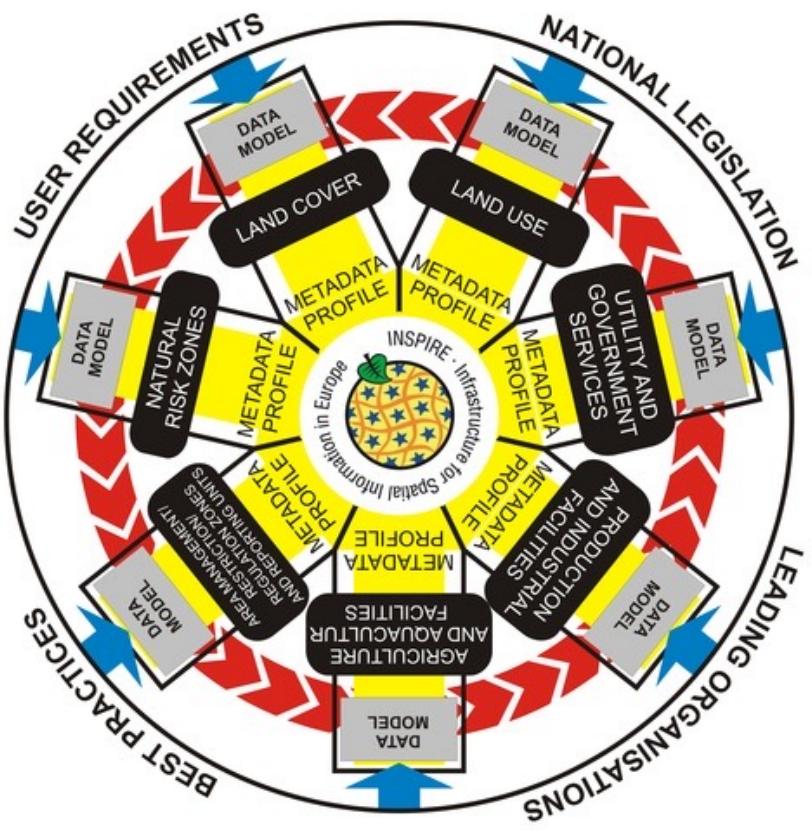
- Plan4all

www.plan4all.eu

- Fraunhofer-BRGM

Deep-City3D: Surface and subsurface
City development in 3D

www.deepcity3d.eu



Advanced planning environment



Diginext expert Jesse Himmelstein

Innovative Stereo, 4D, interactive multiuser environment
V-City Builder, V-City Server,
V-City Explorer and V-City Table

Interface to visualize and navigate
eg. Massive urban environments

<http://vcity.diginext.fr>

HUNAGI

ISDE7 The Knowledge Society. Hosted by WALIS, Perth, Australia, 23-
25 August, 2011



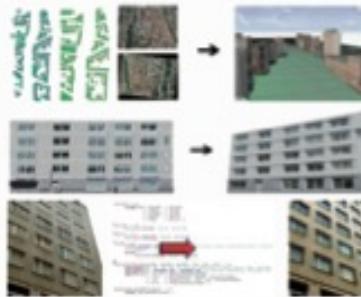
3D reconstruction, storage, and online exploitation of large and highly detailed urban areas

The V-City Builder

Based on Procedural's CityEngine system enhanced with Katholieke Universiteit Leuven's algorithms, the Builder automatically reconstructs large-scale 3D urban environments with high quality from input cadastral data, BLOM's aerial ortho images, and ground pictures.

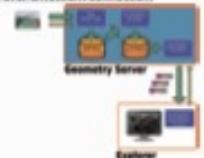
Innovation

- Automatic texturing, occluder removal and inpainting
- Architectural-element identification and rules extraction
- Procedural remodelling, compression and semantical retexturing



The V-City Server

Developed by both CNR and CRS4, this module is in charge of transforming large-scale representations of urban environments into good-quality low-bitt rate multiresolution representations suitable for streaming and rendering. It automatically optimizes, compresses and stores the geographical and architectural data published by the Builder and streams them in real-time over a network connection.



Innovation

- Blockmaps, a new compression method specially designed to provide a high quality but low-bitrate representation of 3D urban environments
- Blockmaps, a building block approach for a multiresolution streaming and rendering of whole cityscapes.



The V-City Explorer

The V-City Explorer is the next-generation globe viewer based on DIGINEXT's future VirtualGeo3 system offering unprecedented rendering capabilities. It can display massive and extremely detailed urban environments, seamlessly integrated into their 3D landscape.

Thanks to the BlockMap technology, the V-City Explorer can navigate through massive cities, complete with picture-perfect facades and architectural details, at breakneck speeds.

Innovation

- Multiscale geographic rendering, from global scale to indoors, with AAA video game rendering quality (shadows, SSAO, vegetation, animations...)
- Blockmap technology
- Multi-view stereoscopic rendering
- Multi-projection support
- Standard compliant (INSPIRE, CityGML, Collada, KML...)
- Fully configurable for tailored needs with its SDK and scripting language



<http://vcity.diginext.fr>



Social Networks

- Twitter
- Facebook (720 M)
- Linkedin

Your Network of Trusted Professionals

You are at the center of your network. Your connections can introduce you to 3,275,500+ professionals — here's how your network breaks down:

 1	Your Connections Your trusted friends and colleagues	593
 2	Two degrees away Friends of friends; each connected to one of your connections	48,200+
 3	Three degrees away Reach these users through a friend and one of their friends	3,226,700+
Total users you can contact through an Introduction		3,275,500+

29,041 new people in your network since August 16

 Your industry: Civic & Social Organization

Fastest growing industries in your network:

1. Research
2. Information Technology and Services
3. Nonprofit Organization Management

Professional, knowledge raising networks

- **Geographic Information Knowledge Network of GSIDI**
<http://giknet.org>

To share and maintain personal professional profile as guide to the global geographic specialist and professional communities

To share company or agency

Deliver documents that you or your company have created to a long-term open archive for the geospatial community

- **European Spatial Data Infrastructure Network of EUROGI**
<http://www.eurogi.org/esdinetplus>

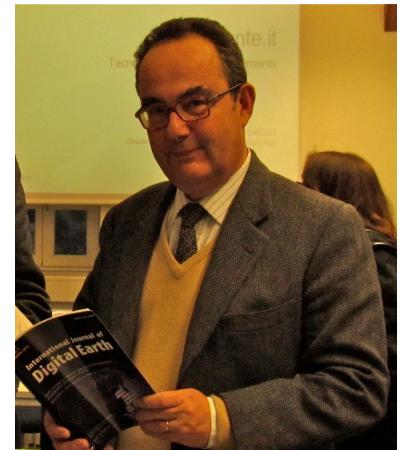
To share information on subnational best practice SDIs in a openly accessible database maintained by EUROGI with self evaluation capability



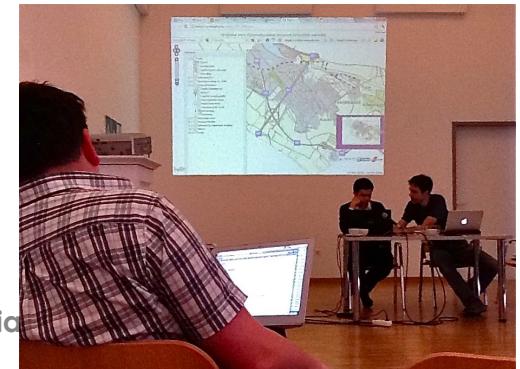
The legal aspects of PSI and re-use (LAPSI)

<http://www.lapsi-project.eu/>

- Working Group 01: Intellectual Property and Competition Law aspects of PSI;
- Working Group 02: Privacy Aspects of PSI between Private and Public law;
- Working Group 03: Selected Implementation and Deployment Issues;
- Working Group 04: Licensing of PSI: PSI-holders' Perspectives, Re-users' Perspectives and Redress Mechanisms;
- Working Group 05: PSI and Cultural Content;
- Working Group 06: Constitutional, Human Rights and Environmental Perspectives.

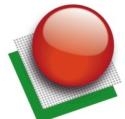


Prof.M.Ricolfi



Aims and Activities

- **The Committee explores the legal and economic frameworks** in which spatial data infrastructures are developed
- **Encourages dialogue** with regard to varying public policy and legal approaches
- **Explores models, approaches, and experiences** that may enhance cooperation among nations in sharing spatial data and spatial technologies.



GSDI L&SE

Toward a global licensing framework

Contact points

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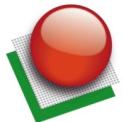


Technology and legislation

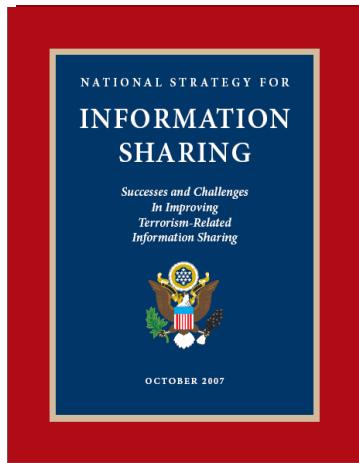
Roger Longhorn
Chair, GSDI Outreach&Commun.
Moderator, L&SE list



Charta to be signed by acors
<http://www.3dok.org/>



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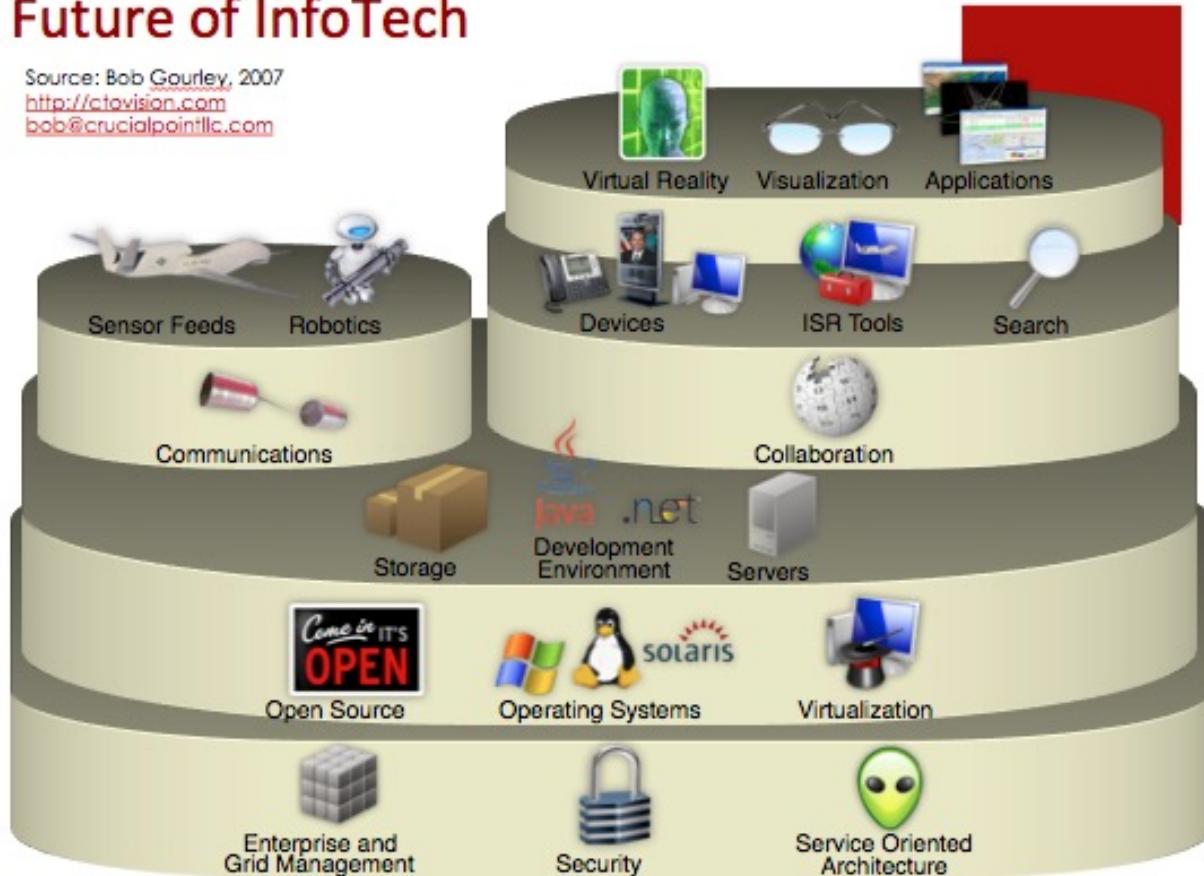
The Gourley's approach

Methodologies, Megatrends, Technical Trends

Understanding how IT works (current and cutting edge),
Understanding Megatrends, Understanding the Key drivers,
Assessment of future IT, (e.g. Gartner, Rand Reports), Drawing up conclusion

Future of InfoTech

Source: Bob Gourley, 2007
<http://ctovision.com>
bob@crucialpointllc.com



http://www.whitehouse.gov/nsc/infosharing/NSIS_book.pdf

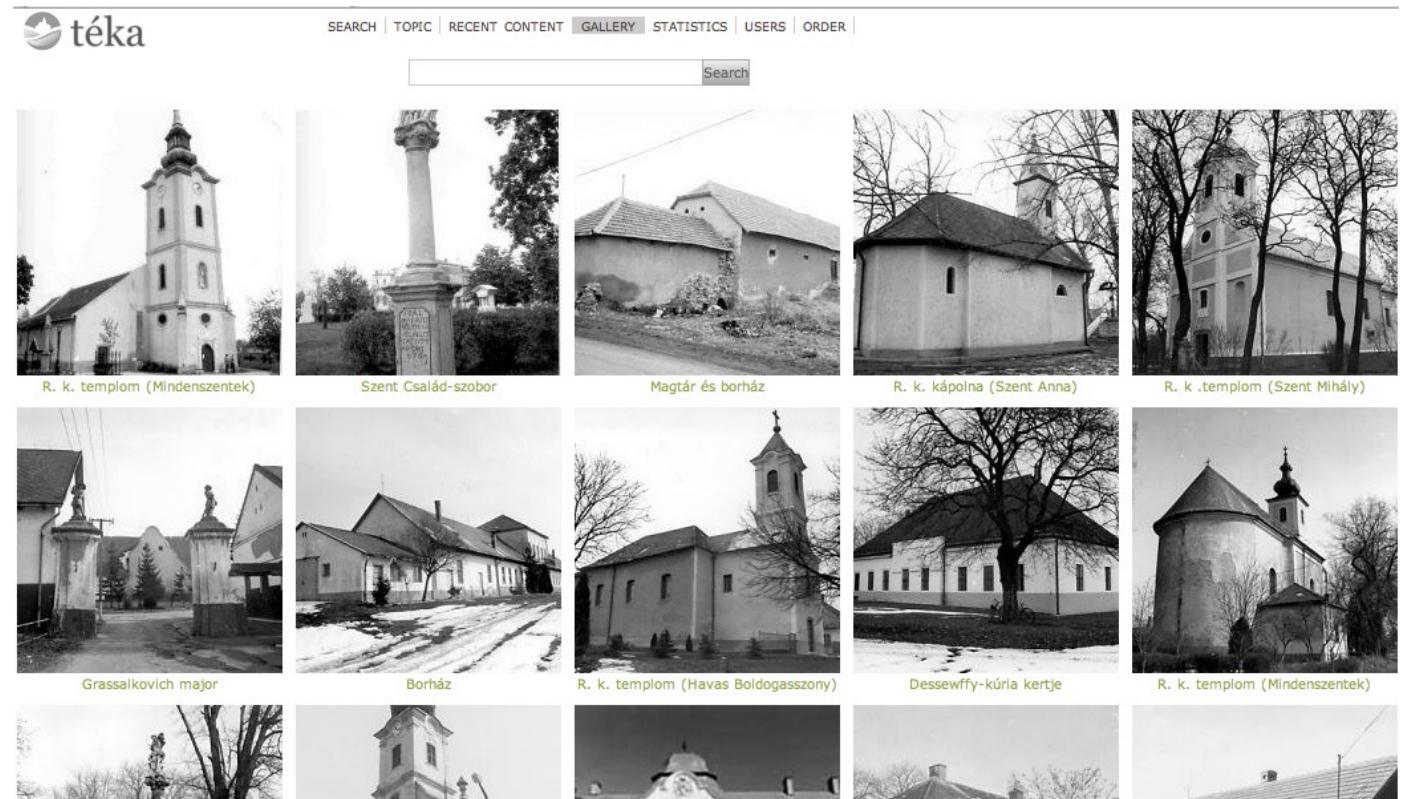
Some Hungarian achievements (1/8)

- Involving the citizens and VGI <http://www.vadonleso.hu>
Nature protection: observation of protected species

The screenshot shows the homepage of the Vadonleső website. At the top left is the logo 'vadonleső' with two hands. A search bar is below it. The main navigation menu includes links for HÍREK, RÓLUNK, CÉLJAINK, FAJOK, ÖNKÉNTESEK, LINKEK, and KAPCSOLAT. On the right, there's a sidebar with a 'Like' button and a 'VADONLESŐ FAJLISTA' section featuring a grid of animal images. The central content area features a large image of a fish with the text 'Reflektorfényben a leányköröcsin'. Below it is a headline 'Önkéntesekkel a természetért' and two boxes: 'EMLÖSÖK' (with a squirrel image) and 'KÉTÉLTÜEK ÉS HÜLLÖK' (with a frog image). There are also smaller images of a green frog, a black salamander, a turtle, and a mantis.

Some Hungarian achievements (2/8)

- Preserving cultural and natural heritages www.tajertektar.hu



<http://projekt.tajertektar.hu>

Some Hungarian achievements (3/8)

- Emergency and Disaster Information System
- Severe Weather Forecasting on District level
- Water Emergency Info System

National Association of Radio Distress-Signalling and Infocommunications

<http://www.rsoe.hu/index.php?lang=en>

<http://hisz.rsoe.hu/alertmap/index2.php>



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<http://www.vizugy.hu/>



<http://www.met.hu/idojaras/veszelyjelzes/>

Some Hungarian achievements (4/8)

- SDI and GIS in disaster response. FÖMI and VÁTI talks at the PCC and 2nd Geospatial Intelligence Workshops respectively



Source: FÖMI



© Gábor Bakó – INTERSPECT Ltd.



Source: VÁTI

Some Hungarian achievements (5/8)

- Ultra-hi (1.8 cm) resolution aerial imagery www.interspect.hu presented at Space Workshop

Actual field resolution: 1.8 cm/pixel



Actual field resolution: 3.2 cm/pixel

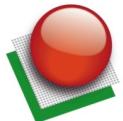


Actual field resolution: 1.8 cm/pixel



Credit: Gábor Bakó, Interspect

<http://zoomy.zoobudapest.com/>



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Some Hungarian achievements (6/8)



2010-08-10

János-hegyi 71.3 milliárd pixeles panorámakép

Illusztráció: A 360World hazai cég panorámaképe megjeleníthető és nagyítatható akár egy noteszgépen is. Alsó képen egy közbenöss nagyításban a margitszigeti viztorony látható.
Forrás: <http://www.70-billion-pixels-budapest.com/> Képernyőképek: HUNAGI, 2010



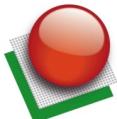
71.3 Gigabyte size preprocessed panorama imagery on Budapest (6000 images have been taken by two of 24 Mpixel cameras)
40 days, 300 hrs proc, 2TB data storage, 2M files

Information: Zsolt Mihályfi www.360world.hu

The final product is zoomable on ordinary PC :

<http://www.70-billion-pixels-budapest.com/>

How the imageries were taken:
<http://vimeo.com/13702685>



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Some Hungarian achievements (7/8)

Leonar3Do

Inventor: Dániel Rátai



Leonar3Do - The World's First Full Virtual Reality Product

Nine international and several national awards, acknowledgements



Seaborg SIYSS Award -
Phoenix, Arizona
(Attendance at the Nobel Prize Ceremony)



The Tech Award -
San Jose, California
(Award from Silicon Valley)



International Entrepreneurship Award -
New York
(Award from Wall Street Stock Exchange)

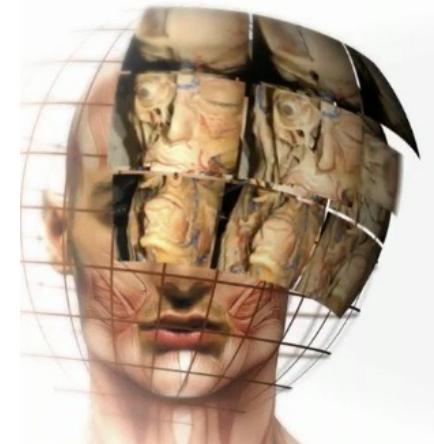
Source:

www.Leonar3Do.com

www.youtube.com/watch?v=Oo_vqKc

- expand PCs into a total 3D work environment
- to make virtual reality available for everyday use as a new, interactive potential for creativity

Some Hungarian achievements (8/8)



The photographic 4D interactive atlas of anatomy

Interactive, 4D anatomy atlas of head and neck using about 10,000 images A 4D visualisation and learning tool

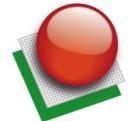
- Video: <http://www.4danatomy.com/content/product-vision>
- Source: <http://www.4danatomy.com/>
- More information on the development and applicability:

<http://www.4danatomy.com/content/4d-anatomy-llc-announces-research-partnership-program>





Thank you!



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