

GI-N2K

Geographic Information – Need 2 Know

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Towards a more demand-driven geospatial workforce education/training system



28.11.2013, SK, Bratislava Inspirujme se Conference

Overview



- Project's ID Card
- The Consortium
- Main aims
- GIS&T BoK 1
- Project content & coverage
- Expected outcomes
- Impact on CZ & SK Scene

Project's ID Card

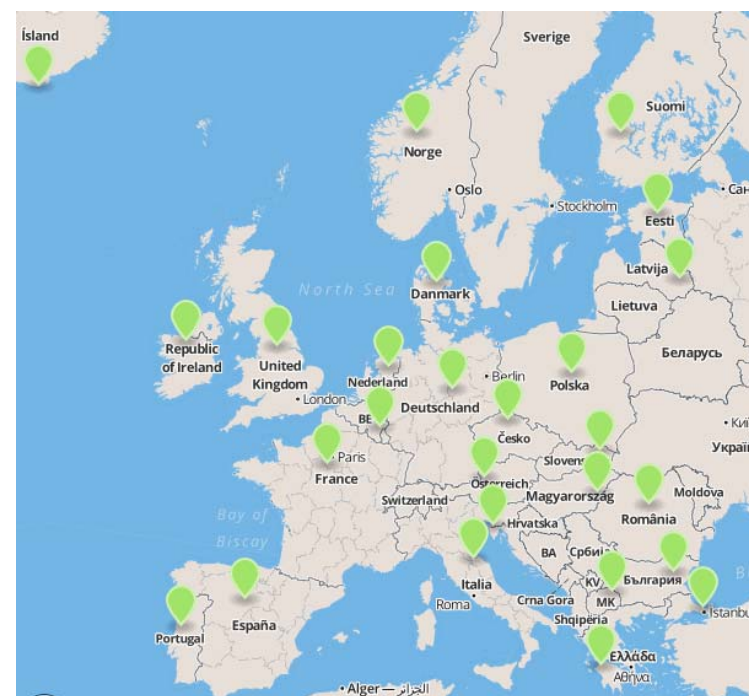


- Co-funding: EU Lifelong Learning Programme
- Area: ERASMUS Multilateral Networks
- Total cost: 780.592 €
- EU contribution: 585.440 € (75%)
- Project reference: 540409-LLP-2013-BE-ERASMUS-ENW
- Execution: From 01/10/2013 to 01/10/2016

The Consortium



GI-N2K		
CONSORTIUM PARTNER NR	country	NAME
P1	BE	KU Leuven
P2	NL	Wageningen University
P3	AT	University Salzburg
P4	HU	University West-Hungarie
P5	PT	ISEGI
P6	IT	GISIG
P7	ES	Jaume I
P8	DE	University Munster
P9	ES	(ES) SIGTE - University of Girona
P10	PT	AGILE
P11	BG	AGISEE
P12	MACEDONIA	GEO-SEE
P13	NL	Utrecht Uni.
P14	DE	University of the Bundeswehr (München)
P15	UK	University of Nottingham
P16	DE	University Dresden
P17	IS	LISA
P18	CZ	Masaryk (Brno) University
P19	DK	Aalborg University
P20	EE	University of Tartu
P21	FI	Finnish Geodetic Institute
P22	FR	Uni, Pierre Mendès (Grenoble 2)
P23	EL	National Technical University of Athens
P24	SK	The Slovak Environmental Agency
P25	IE	NUI Maynooth Ireland
P26	IT	AMFM GIS Italia
P27	LT	Vilnius University
P28	PL	Jagiellonian University
P29	RO	ESRI Romania
P30	SI	CEKTRA
P31	TR	Karadeniz Technical University



Source: <http://www.mapbox.com>

Main aims



- To establish more demand-driven workforce educational program
- develop a global user-friendly knowledge base for geospatial information aiming to:
 - Professional certification
 - Checklist / inspiration for individual lecturers
 - Benchmarking
 - Curriculum classification and development
- based on methodology of the Body of Knowledge (BoK) and particularly via
- Geographic Information Science and Technology Body of Knowledge (GI S&T BoK)

GIS&T BoK 1



- In 2006, the University Consortium for Geographic Information Science (UCGIS)
- agreed ontology of a specific professional domain (reference framework)
- Limitations of use in European context

Knowledge Area AM. Analytical Methods

Knowledge Area CF. Conceptual Foundations

Knowledge Area CV. Cartography and Visualization

Knowledge Area DA. Design Aspects

Knowledge Area DM. Data Modeling

Knowledge Area DN. Data Manipulation

Knowledge Area GC. Geocomputation

Knowledge Area GD. Geospatial Data

Knowledge Area GS. GI S&T and Society

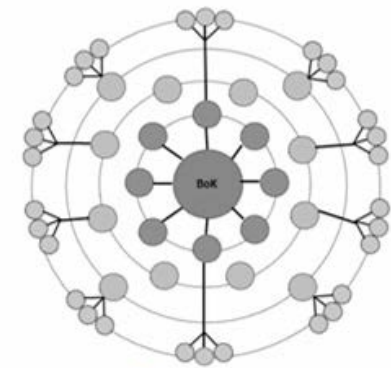
Knowledge Area OI. Organizational and Institutional Aspects

Project content & coverage



WP 1	ANALYSIS OF DEMAND AND SUPPLY
WP 2	REVISION OF THE BODY OF KNOWLEDGE
WP 3	THE VIRTUAL LAB FOR THE BOK: VIRLABOK
WP 4	TESTING & VALIDATION
WP 5	QUALITY ASSURANCE
WP 6	DISSEMINATION
WP 7	EXPLOITATION AND SUSTAINABILITY
WP 8	MANAGEMENT

- GI-N2K consortium - Network of networks idea
2nd circle: Associated partners
demanders for a revised BoK e.g. SHELL, AGORIA
- 3rd circle: Advisory board
representatives GI communities e.g.
OGC, UCGIS, JRC,...
- 4th circle: networks of
relevant stakeholders



Expected outcomes

- Demands & Offer Overview
- Revised BoK with new areas (SDI, GeoLinked Data, Standards...)
- New toolsets

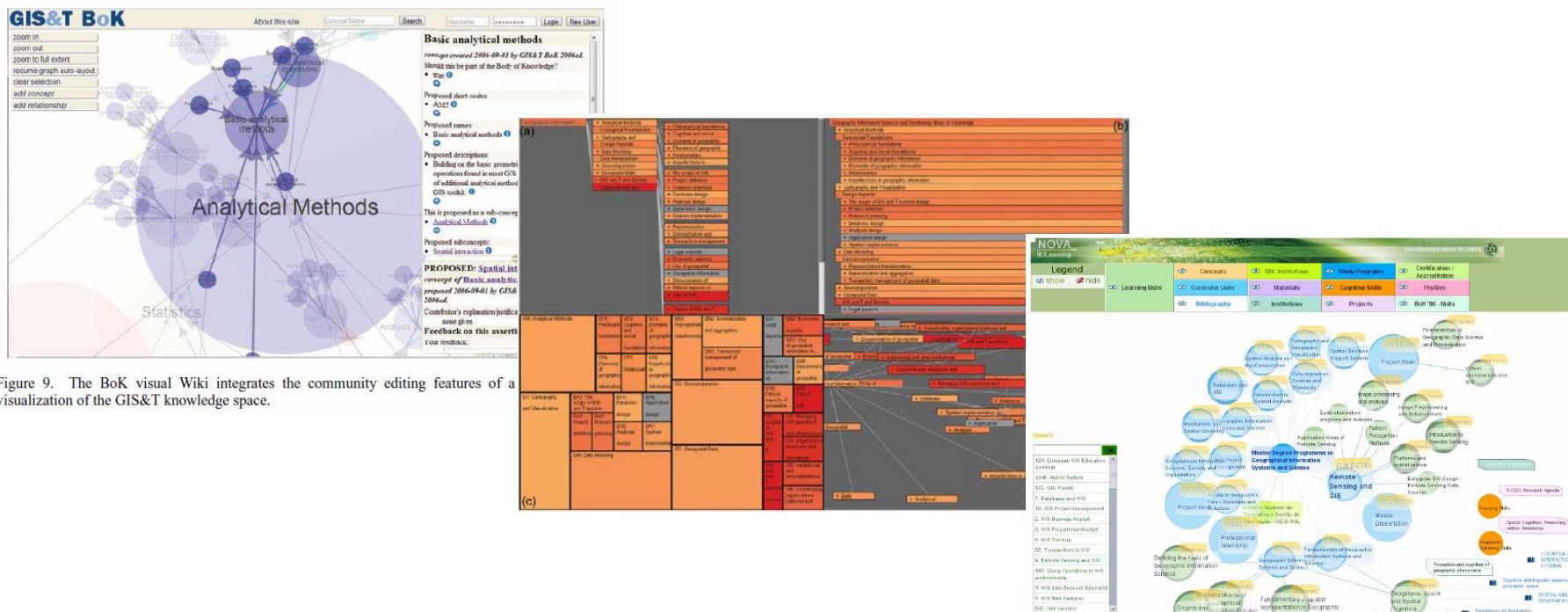


Figure 9. The BoK visual Wiki integrates the community editing features of a visualization of the GIS&T knowledge space.

Figure 1- The GIS&Science Curricula Development Model Interface. Available at: http://193.136.119.12:8080/examples/MESTRADO_spider_en/webapp/

Impact on CZ & SK Scene



- Participation on Demands & Offer Survey
- Improvement of amount and quality of GI higher education opportunities
- Advanced participation on testing and use of new tools
- Market responsive curriculums
- Improvement of certification mechanisms
- Graduates with stronger competences
- Overall strengthen of GI academia sector

Thank you!

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