



URL: [www.vesta-gis.eu](http://www.vesta-gis.eu)

## VESTA-GIS NEWSLETTER no. 7 (07/2010)

### VESTA-GIS at a glance

The overall aim of VESTA-GIS is to pool knowledge in the GIS domain (technology, applications), to share experience and foster innovation (new approaches) in vocational training by bringing together experts, organisations and users of GI and its application domains, as well as to identify the trends and skills requirements in this area and to improve the anticipated benefit of vocational training initiatives.

The following main activities are foreseen:

- Network Building and sharing knowledge;
- Analysis of training course offer and demand;
- Implementation of the Network training framework and of an e-learning platform hosting the partners' contributions;
- Training course catalogue building. This action will include the definition of pre-requisites of courses, such as a modular structure and selected quality criteria;
- Promotion of people mobility (students, new graduates and working people);
- Exploitation and dissemination action, including workshop organisation and support to competence validation and certification.

The network is developed with particular emphasis to the involvement of the GI users; in this perspective the network is addressed, other than on the GI technologies, including the cutting edge ones (interoperability, web-gis, standards, etc.), to the application domains, starting initially with:

- Water Resource Management
- Natural Environment Protection
- Coastal Management and Landscape

The network is developed in the favourable framework of the new European Directives for environment and territory, which are dealing with problems that have reached a new European dimension (such as the INSPIRE Directive recently approved by the European Parliament).

The Newsletter 7 summarizes the national VESTA-GIS Workshops organised by the project core partners and associated members in the recent months. The Workshops are described by providing outlines of the events, outcomes and follow-ups. All of them are also described in the VESTA-GIS web site under the workshop session, where also on-line proceedings are accessible.

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## Hungarian Workshop Szekesfehervar, 18 November 2009

### The organizer: University of West Hungary, College of Geo-Informatics

As the national representative of the well known NCGIA CC, GEO published the Hungarian version of the GIS Core Curriculum in 1994. It was the first GIS educational material in Hungarian for universities. In 1995 GEO has joined to the international GIS networks (like GISIG, AGILE and UNIGIS). Due to the good international relationships and close connections with the land offices, the trade and the industry, GEO participated in many successful educational and training projects and developed viable continuing study courses. We got leadership in the OLLO (Open Learning for Land Offices) and SDiLA (Staff Development in Land Administration) TEMPUS, National Cadastral Program training project and in the training of the computer-based land registry (TAKAROS, TAKARNET) system. Relying on GEO traditions, they would like to continue these initiations broadening and intensifying them with all they might.

### The Hungarian Workshop

The main aim of the workshop was to introduce the VESTA-GIS project in general (focusing on training metadata aspects and mobility issues) and to initiate a discussion on training needs in GIS in Hungary. The target group was top managers (mainly CEOs) of surveying and GI companies.

The aim of the presentations was to give a broad frame of roundtable discussions.

After a general introduction to VESTA-GIS, there was a presentation on the structure and methodology of continuing post-graduate course at

representing how GEO reflected in the last two decades to needs of the industry. As a European case study, CLGE (<http://www.clge.eu/>) was briefly introduced to the participants.

The short presentations were followed by a roundtable discussion session, to offer the participants the opportunity to share their views.

### Event outcomes

During the roundtable session the following main topics were discussed:

- both university and industry players should change their mind (from paper to digital, e-Learning, GIS graduates need new skills)
- joint actions are necessary in marketing the profession
- there is a need to organize "open workshops" in the frame of continuing courses
- EU directives and EU programmes in GI should be involved in the education and training
- standards and open source issues are important
- growing sectors (environmental protection, nature conservation, forestry) need training in GIS
- slow reactions to the industry needs (hw/sw change in every month)
- common knowledge base is needed
- there is a must for GI or SDI strategy in Hungary



Figure 1: VESTA-GIS gifts distributed during the Hungarian Workshop

Nyugat-magyarországi Egyetem    Geoinformatikai Kar    Földügyi és Térinformatikai Tudásközpont

Hírek  
Magunkról  
Munkatársak  
Kapcsolatok  
Projektek  
FESF Symposium  
Rendezvények  
Campus  
Elérhetőség

**Elérhetőségünk**  
Nyugat-magyarországi Egyetem  
Geoinformatikai Kar  
Földügyi és Térinformatikai  
Tudásközpont  
8000 Székesfehérvár,  
Budai út 43.  
Tel: 22/516-552  
Fax: 22/516-521  
WGS84 (GPS)  
N(É) 47° 11' 27.5"  
E(K) 18° 25' 37.4"

**VESTA GIS**  
VESTA-GIS workshop  
NymE Geoinformatikai Kar Földügyi és Térinformatikai Tudásközpont  
Székesfehérvár, Budai út 43.  
2009. november 18.  
PROGRAM  
Térinformatikai továbbképzés - Igények és lehetőségek

09:30–10:30	Regisztráció
10:10–10:30	VESTA - GIS & Térinformatikai trendek Márkus Béla
10:30–10:50	GEO szerepe a mérnöki továbbképzésben Szepes András
10:50–11:10	Az európai szintű szakmai érdekképviselet Gombás László (CLGE)

Figure 2—3: The on-line proceedings of the Hungarian Workshop at: [http://www.geo.info.hu/fttk/index.php?option=com\\_content&task=view&id=56](http://www.geo.info.hu/fttk/index.php?option=com_content&task=view&id=56)

http://www.geo.info.hu/fttk/images/stories/vesta\_gis/szepes.pdf - Windows Internet Explorer

http://www.geo.info.hu/fttk/

Preferiti    http://www.geo.info.hu/fttk/images/stori...

**Mérnök továbbképzés új utakon: Álmodj, Alkoss, Újíts!**

Dr. h.c. Dr. Szepes András  
dékánhelyettes  
Nyugat-magyarországi Egyetem  
Geoinformatikai Kara  
2009. 11. 18.  
VESTA-GIS workshop

**Mérnökképzés és továbbképzés új utakon**

Mi tesz egy mérnököt mérnökké?

- a tudás
- a gondolkodás
- a kreativitás
- a megbízhatóság
- a pontosság
- .....

209,9 x 297 mm    1 di 3

# Italian VESTA - GIS Workshop

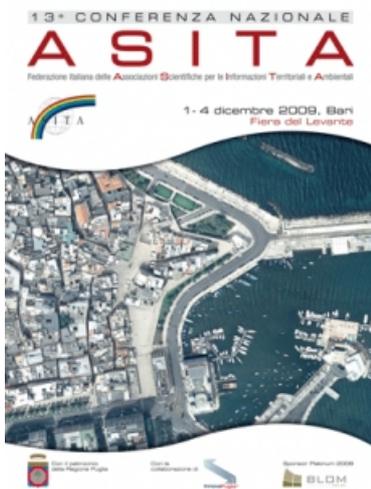
## Training and Mobility on GIS: European initiatives (Formazione e mobilità nel GIS: iniziative europee)

### Bari (IT) 3<sup>rd</sup> December 2009

#### Workshop rationale and outlines

The Italian VESTA-GIS Workshop has been organised during the 13<sup>th</sup> ASITA Conference ([www.asita.it](http://www.asita.it)), 1<sup>st</sup> – 4<sup>th</sup> December 2009, Bari, Italy. The ASITA Conference is the main event of the Italian GI Community. ASITA is the Federation of four Scientific Associations for Territorial and Environmental Information operating in Italy, each with its own specific nature, in the fields of acquisition, processing, management and representation of the geographic information.

The ASITA Conference represents a meeting opportunity for researchers, operators, teachers, professionals, public and private users, organizations and companies operating in the fields of acquisition, management and representation of territorial and environmental data.



The scientific target is to encourage the comparison and in-depth study of specific themes, while promoting a multi-disciplinary vision, integrated in the Geomatic field.

The national VESTA-GIS workshop at ASITA Conference in Bari, December 3<sup>rd</sup> 2009, presented European initiative in the field of training and mobility in GIS. The workshop has been organized with a free admission for guaranteeing a large target, such as: students, GI users, GI entity, etc.

The workshop aimed to present the Training and Mobility Framework realised in VESTA-GIS project for inviting all type of users to employ it for their purposes and roles. The invited speakers presented some existing training courses at academic or private levels and the utility of the personnel exchange within the GI community through mobility actions: some successful initiatives have been presented.

#### Event outcomes

Discussion that followed the presentations showed a lot of interest by the audience; some questions, also written in the questionnaires, were referred to future sustainability and further developments of the project. It has been highlighted the complementary aspect between Universities training offer and VESTA-GIS project opportunity. Focus on the big opportunity that this European project could represent for all graduates who want to improve their skills and find placements, in the present international moment. It could represent a base on which to improve the current Italian situation of GI professionals.

#### Follow-ups:

Participants to the event were interested in the project; vendors and public-local authorities showed interest both for the project and for the initiatives presented in the workshop.

Some comments written on the quality questionnaire for the participants suggested to address more precisely the mobility aspects, and to "better link the different EU projects & network in order to share results & initiative".

# CZECH VESTA - GIS Workshop

## Ostrava, 27 January 2010

### Workshop rationale and outlines

The workshop was organized in the frame of symposium GIS Ostrava 2010 (January 24-27, 2010). The symposium takes place in Ostrava since 2004 and follow-ups previous conferences and seminars organized since 1994. The long tradition and a rich programme attract every year 200-300 participants (this year 268 registered attendees).

The symposium is arranged by the Institute of Geoinformatics and supported by the Czech Association for Geoinformation (CAGI), Slovak Association for Geoinformatics (SAGI) and the International Society for Photogrammetry and Remote Sensing (ISPRS). Participants of this symposium came from 14 countries including the Czech Republic, Slovakia, Poland, Spain, Germany, Hungary, Russia, Italy, Egypt, Finland, Sweden, Switzerland, Austria and Great Britain. Participants represent colleges and universities, the research institutions, public administrations and companies.

The VESTA-GIS workshop took place on the last date of the symposium (27th January). The intention was to present concepts and issues of lifelong and vocational education and training in GI (GI science), to compare approaches and experiences of the company sector (courses and other education usually oriented to support a special technology line) and the university sector, and to introduce the VESTA-GIS project as a outstanding open project providing excellent support for mobility of people in working placements as well as in attending courses across countries/companies/domains.

### Event outcomes

We have succeed in developing a really wide discussion embracing many participants and eliminating barriers between speakers and listeners. The mutual discussion between universities and companies about the concept of VET, roles and attendee's motivations enables to designate following important aspects:

- Challenges of cooperation between universities and companies – companies exploit a continuous monitoring of technology development and user/market needs, while universities take advantages of more systematic and pedagogical approaches and new learning forms.

- Motivation for potential attendees is crucial – probably as a result of lack of human resource management and underestimation of human motivation aspects.
- Necessity of next promotion of GI education for administrative officers.
- Missing relationships and support of alumni.
- Importance of lifelong learning especially in public authority sector.

The role of umbrella national association for GI was broadly discussed and results will be escalated to the representatives of these organisations (CAGI, SAGI). Main aspects are:

- umbrella organisation as a place for discussion and knowledge exchange,
- promotion and dissemination role,
- compromising platform, neutral position in different activities

The importance of VESTA-GIS outputs was highlighted - especially exchange information about courses, promotion of international cooperation, collaboration in material/course development, welcome opportunity for people motivated in self-education and also challenge for employers (placements, courses).

- The joint effort of CAGI (SAGI) in improvement the role and importance of professional education. This effort will be expressed in meetings with representatives of public sector.
- Concept of new courses with better targeting to end users. The courses will be organised together universities and commercial sector under auspices of CAGI
- Participants informed and interested in VESTA-GIS project. Participants declare the interest to utilise the project outcomes (both mobility network as well as training course catalogue).

## Follow-ups:

- Development of new seminars and courses (under auspices of CAGI),
- Enhancement of coordination role of national umbrella organisation for GI,
- Continuation of the discussion about the improvement of GI education organised as a new session of congress CAGI dedicated to education (Brno, Czech Republic, 26-28 May 2010) will be organised.

## Symposium GIS Ostrava 2010

24. - 27. ledna 2010 



Domů
Sborník
Záznam
Fotografie
Sponzoři
Závěr
Program
VESTA-GIS
Ke stažení
Kontakt
Další

### VESTA-GIS



Seminář VESTA GIS byl zaměřen na celoživotní vzdělávání v oblasti GIS. Jeho základním cílem bylo informovat o probíhajícím evropském projektu VESTA-GIS, informovat o možnostech jeho využití a diskutovat stav profesního a celoživotního vzdělávání v oblasti GIS v České a Slovenské republice.

Více informací o projektu VESTA-GIS (Vocational Education and Sectoral Training on GIS and geographical information Application domains) najdete na <http://www.vesta-gis.eu/>.

#### **Středa 27.1.2010, 9:00-13:00**

9:00 - 9:15; doc. Jiří Horák (VŠB-TU Ostrava); [Celoživotní a profesní vzdělávání v oblasti GIS](#)

9:15 - 9:45; prof. Anders Östman (Univ. Gävle); [VESTA-GIS project](#)

9:45 - 10:15; prof. Anders Östman (Univ. Gävle); [Examples of training modules in Gävle, Berlin and Dublin](#)

10:15 - 10:30; prof. Karel Maier, Mgr. Jiří Čtyrský (ČVUT Praha); [Celoživotní vzdělávání GIS v oblasti územního plánování](#)

10:30 - 10:45; přestávka

10:45 - 11:05; Ing. Jan Novotný (ArcData Praha s.r.o.); [Celoživotní a profesní vzdělávání v oblasti GIS z pohledu firmy ArcData Praha s.r.o.](#)

11:05-11:25; Ing. Vladimír Stromček (Intergraph CS s.r.o. Bratislava); [Celoživotní a profesní vzdělávání v oblasti GIS z pohledu firmy Intergraph](#)

 Portál



Figure 4: Chzech Workshop proceedings available at : <http://gis.vsb.cz/gis2010/cz/vesta-gis.php>

# VESTA-GIS Thematic Workshop on GIS & Water Management

Sophia Antipolis, Nice, France, 3<sup>rd</sup> – 4<sup>th</sup> June 2010  
Organized in the framework of the SimHydro Conference 2010

## Workshop rational and outlines

The VESTA-GIS Thematic Workshop on GIS & Water Management has been organized, in two different sessions, in the framework of the SimHydro 2010 conference, an International conference focused on hydraulic modeling and uncertainties held from 2<sup>nd</sup> to 4<sup>th</sup> June 2010 at the Polytech'Nice-Sophia. The SimHydro 2010 conference has been jointly organized by the Société Hydrotechnique de France (SHF), the University of Nice-Sophia Antipolis (UNS), the International Association for Hydraulic Research (AIHR) and the Association Française de Mécanique (AFM).



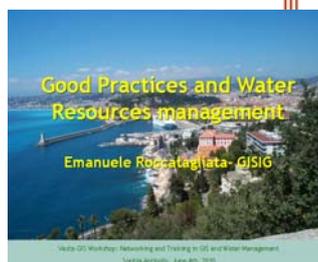
### The TECHWARE Interest Group

G. Saio (GISIG)



The VESTA-GIS Workshop took place in the afternoon of 3<sup>rd</sup> and 4<sup>th</sup> June ( 2:00 to 5:00 PM) as parallel sessions of the conference. The intention of the workshop was to present the lifelong and vocational education and training in GI (GI science) for water resource management, to compare approaches and experiences of the company sector and the university sector, and to introduce the VESTA-GIS project as an outstanding open project providing excellent support for mobility of people in

working placements as well as in attending courses across countries/companies/domains.



The first day of the workshop (3<sup>rd</sup> June, 2PM) was addressed to the development of the VESTA-GIS sub-network "GI&Water Management", in cooperation with the TECHWARE Interest Group on technologies for water resources, and consisted on the presentation of networking ongoing initiatives and Good Practices for training on GI&W ater management.

The second day of the workshop (4<sup>th</sup> June, 2PM) was more focused on the existing and ongoing training initiatives in the GIS for the water resources management, by presenting experiences and needs both by the industrial and academic sectors.

The VESTA-GIS workshop was jointly organized by GISIG (VESTA-GIS Coordinator), IRIDE Acqua Gas and the University of Nice-Sophia Antipolis. They were attended by a multi-faceted target audience ranging from water professionals, both from public and private sectors, people involved in the design and programming of vocational training initiatives and students.

## Event outcomes

During the event, several discussions were held, according to the covered topics and related inter-links among them.

In particular, it has been discussed the possibility to propose and organise training initiatives in the framework of the WSSTP (EU water platform) participated by IRIDE Acqua Gas with particular reference to the urban scenario/asset management.

Concerning the training on GIS for water management, during the workshop it has been highlighted its importance both at EU and Country / Organisation level. In the reality, trainees must be often motivated to the training and the approach to new tools (both GIS and tools for training) revealed to be hard.

In this sense, academies and training organisations cover an important role in addressing new professional profiles towards the new approach of training and the new tools.

In such a perspective, an involvement in VESTA-GIS and, if approved, in eLEANOR, from the organisations participating in the workshop can be established to foster concrete actions, initiatives and synergies towards the optimisation and standardisation of GIS training for water management.

It has been discussed, during the event, also the GIS a powerful tool for scientific reporting.

Proceedings are available at the VESTA-GIS web site ([www.vesta-gis.eu](http://www.vesta-gis.eu)).



**VESTA GIS**

**GISIG TRAINING EXPERIENCES**

**VESTA-GIS and NATURE-SDIplus examples**

LLP - LEONARDO DA VINCI  
Transfer of Innovation

**eLEANOR**

e-LEarning and inNOvation in vocational training for water industries  
(proposal for a multi-lateral project)

Presented by A. Marchese (GISIG)

**VESTA GIS VESTA-Gis Workshop**

**Networking and Training in GIS and Water Management**

Sophia Antipolis, NICE (FRANCE)  
3 - 4 June 2010

**Fondazione AMGA**  
Per la sostenibilità delle nostre attività

Cooperation Activities carried out in the framework of the WsstP  
Nicola Bazzurro - Secretary General Fondazione AMGA

IRIDE Acqua Gas

**Training Integrated Software Solutions**  
Do we forget about Basics?



Prof. Dr.-Ing. K.-Peter Hahn

2010-06-04 Training Integrated Software Solutions - Do we forget about Basics? 1



September 28<sup>th</sup> – 29<sup>th</sup> 2010 Lisbon (PT)

## VESTA-GIS Final Conference

### “A Training Framework for ESDI”

*jointly organized with*  
**HUMBOLDT Workshop “Data Transformation in Action”**

*and*  
**NATURE-SDIplus Conference “SDI for Nature Conservation”**

The VESTA-GIS Final Conference is organized, in two different days, in synergy with the HUMBOLDT Workshop and the Second Conference of NATURE-SDIplus.

The intention of the joint conference is to present the lifelong and vocational education and training in GI (GI science) with particular reference to data harmonization aspects and the INSPIRE Directive implementation.

VESTA-GIS is a Leonardo da Vinci project aimed at developing a training framework to rationalize and optimize GI vocational training in Europe, through the implementation of an on-line course catalogue of EU courses on GIS, supported by e-learning, and a database for the mobility to foster the transfer of knowledge at professional level.

The VESTA-GIS Training Framework has been adopted/implemented also in other EU projects that foresee activities of training on GIS and INSPIRE, such as HUMBOLDT and NATURE-SDIplus.

The HUMBOLDT project ([www.esdi-humboldt.eu](http://www.esdi-humboldt.eu)) aims to facilitate harmonisation of spatial data and support the implementation of the European Directive INSPIRE. The technical goal of HUMBOLDT is to support Spatial Data Infrastructure enablement by providing software tools and processes for covering data harmonisation.

NATURE-SDIplus ([www.nature-sdi.eu](http://www.nature-sdi.eu)) is an eContentplus Best Practice Network aimed at harmonizing INSPIRE data themes on nature conservation through the creation of a NATURE-SDIplus metadata profile and data model.

Both projects, HUMBOLDT and NATURE-SDIplus, have developed training tasks to provide project partners with skills and knowledge needed to carry out the activities and understand the problems. In addition, the training is also considered an effective way to transfer the project results and contribute to their exploitation and replication. These are the reasons that brought to organize this joint event and present the final outcomes of HUMBOLDT through trails and demo training courses.

### Synopsis of the joint event

VESTA-GIS Final Conference “A Training Framework for ESDI”	
Day 1: 28 <sup>th</sup> September	Day 2: 29 <sup>th</sup> September
<b>VESTA-GIS outlines</b> A training framework to support the INSPIRE implementation process	<b>NATURE-SDIplus Conference</b> “SDI for Nature Conservation”
<b>HUMBOLDT Workshop</b> “Data Harmonisation in Action”	Good Practices for nature conservation data management

## About VESTA-GIS

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## News and Events

- **GEOProcessing 2011**: The Third International Conference on Advanced Geographic Information Systems, Applications, and Services, February 23-28, 2011 - Gosier, Guadeloupe, France
- **BRISEIDE**: New project on BRIdging SErvices, Information and Data for Europe (BRISEIDE) launched
- **ECCLIMA congress**: The ECCLIMA congress refers to climate change impacts in estuarine ecosystems issues, being held in Porto (Portugal), 5-9 April 2011.
- **14th AGILE Conference on Geographic Information Science**: 18-21 April 2011, Utrecht, The Netherlands
- **SAGEO '10**: 17-19 November 2010, Toulouse (France)

## Contacts

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