

# VIZURA

INFORMATION LEAFLET OF THE STATE GEODETIC ADMINISTRATION

NO. 65 | OCTOBER 2012.



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## SDI Days

NSDI and INSPIRE Days and Cartography and Geoinformation Conferences are traditionally organized every year. Three NSDI and INSPIRE Days and Cartography and Geoinformation Conferences have been organized so far: Varaždin (2009), Opatija (2010) and Split (2011). The Regional INSPIRE Training and Forum organized by EU INSPIRATION Project was also included this year. The Spatial Data Infrastructure (SDI) Days were organized by: State Geodetic Administration (<http://www.dgu.hr>), Croatian Cartographic Society (<http://www.kartografija.hr>) and EU project INSPIRATION - SDI in the Western Balkans (<http://www.inspiration-westernbalkans.eu>).

SDI Days were held in the Hotel International in Zagreb, September 25th - 29th, 2012. SDI Days included training, conferences and social events:

- 2nd Regional INSPIRE Training, September 25th - 26th, 2012;
- 1st Regional INSPIRE Forum and 4th Croatian NSDI and INSPIRE Day, September 27th, 2012;
- 8th Cartography and Geoinformation Conference, September 28th, 2012;
- Tour to Hrvatsko zagorje, September 29th, 2012.



Ivan Vrdoljak, Minister of Construction and Physical Planning of the Republic of Croatia, Anka Mrak Taritaš, President of the NSDI Council of the Republic of Croatia and the representatives of the National Mapping and Cadastral Agencies of the region

SDI Days had several auspices, partners, supporting organizations and donors. General Conference auspices were Ministry of Construction and Physical Planning of the Republic of Croatia and NSDI Council of the Government of the Republic of Croatia. The Minister of Construction and Physical Planning, Mr. Ivan Vrdoljak opened SDI Days. SDI Days were supported by European Commission Joint Research Centre (JRC), International Cartographic Association (ICA), International Federation of Surveyors (FIG), EuroSDR and Croatian Academy of Engineering. Partners of the SDI Days were Association for Geospatial Information in the South-East Europe (AGISEE), the National and University Library in Zagreb, Croatian Environmental Agency and City of Zagreb Office for the Strategic Planning and Development. Donors of the SDI Days were Croatian Geological Survey, Geomatika-Smolčak Ltd., Igea Ltd. and the Zagreb Tourist Board.

SDI Days side events included announcing the Ideas Competition by INSPIRATION Project, visiting the Exhibition SDI of the City of Zagreb SDI in ZagrebForum, visiting the Collection of Maps and Atlases of the National and University Library and AGISEE General Assembly



SDI Days participants

SDI Days themes included SDI, NSDI, INSPIRE, cartography, geoinformation, spatial data and others. A wide range of topics and distinguished keynote speakers guaranteed interesting presentations.

SDI Days keynote speakers were:

- Hugo de Groof, *Directorate-General Environment, Chief Scientist, Research and Innovation Unit*
- Rik Wouters, *EULIS Managing Director*
- Athina Trakas, *Director of the OGC European Services*
- Prof. Dr. Vlado Cetl, *University of Zagreb, Faculty of Geodesy, Scientific/Technical Project Officer at JRC*
- Dr. Andreas Wytzisk, *Project manager and INSPIRE Expert, con terra GmbH*
- Prof. László Zentai, *Eötvös Lorand University, Department of Cartography and Geoinformatics in Budapest, ICA Secretary-General and Treasurer*
- Ulrich Boes, *member Global Advisory Council of the Open Geospatial Consortium, AGISEE President*
- Dr. Chryssy Alex. Potsiou, *School of Rural & Surveying Engineering, National Technical University of Athens, FIG Vice-President*
- Dr. Josep Crompvoets, *Public Management Institute of KU Leuven (Belgium), Centre for Spatial Data Infrastructures and Land Administration of Melbourne University (Australia), EuroSDR Secretary-General*
- Dr. Adam Iwaniak, *Assist. Prof. at the Institute of Geodesy and Geoinformatics at the Wroclaw University of Environmental and Life Sciences, Member of the ICA Commission on Geoinformation Infrastructures and Standards.*

The conference language was English with simultaneous translation to Croatian. Two hundred participants from fifteen countries took part at SDI Days. Forty-three presentations were presented at the 1st Regional INSPIRE Forum and the 4th Croatian NSDI and INSPIRE Day and at the 8th Cartography and Geoinformation Conference. Presentations and more information about SDI Days can be found on the SDI Days website <http://nipp.kartografija.hr>.

Željko Hečimović, Miljenko Lapaine, Ivica Skender

## Open Day, The Faculty of Geodesy



The Faculty of Geodesy, University of Zagreb celebrated the 50. anniversary of independent activity and organised on that occasion the Open Day on 26. September, 2012.

The State Geodetic Administration presented itself in the exhibition area together with other exhibitors coming from the geodetic profession and exhibited its products and services. Along with the exhibition organised in the entrance hall of the Faculty, short presentations of the study programmes, the life and the activities of students at the Faculty were also made. The Open Day was visited by the final grade pupils from the secondary school for geodetic technicians, freshmen students and other interested individuals who were offered the possibility to learn about the future career and all information about the geodetic profession in the Republic of Croatia.

The festive meeting of the Faculty Council was held on the occasion at which a letter of thanks was delivered to the State Geodetic Administration for a successful cooperation with the Faculty.



# 8<sup>th</sup> Cartography and Geoinformation Conference



Within the frame of SDI Days, the Hotel International in Zagreb hosted the fans of cartography at the 8th Cartography and Geoinformation Conference. The official language of the conference was English. Before the official opening of the conference, there was the visit to the nearby National and University Library (NSK) in Zagreb organised with the tour to the Collection of Maps and Atlases guided by Mira Miletić, PhD, the leader of the Collection of Maps and Atlases of NSK.

The conference was welcomed by the president of the Croatian Cartographic Society, Prof. Miljenko Lapaine, PhD, and it was officially opened in Croatia by the deputy director of the State Geodetic Administration, Mr. Sc. Blaženka Mičević. In the first part of the conference there were plenary sessions held accompanied by simultaneous translation, and in the second part in the afternoon, the sessions were held in two halls with the topics *Cartography*, chaired by the assistant professor Dražen Tutić, PhD, and *Geoinformation/AGISEE*, chaired by the assistant professor Vlado Cetl, PhD. There were altogether 92 participants registered with two lecturers from the State Geodetic Administration, Zlatko Horvat and Mr. Sc. Mirko Husak. The professional part of the Cartography conference was ended by AGISEE General Assembly chaired by Ulrich Boes, the president of AGISEE.

The day after, there was a trip to Hrvatsko zagorje organised that ended traditionally for the cartographers with wine tasting and lunch in the spirit of traditional dining typical for Hrvatsko zagorje in the pleasant environment of the restaurant Vuglec Breg. The main sponsors of the conference were the Ministry of Construction and Physical Planning of the Republic of Croatia, NIPP Council of the Republic of Croatia; Supporters: European Commission, Joint Research Centre - JRC, EuroSDR, International Cartographic Association - ICA, International Federation of Surveyors - FIG, Academy of Technical Sciences of the Republic of Croatia; Partners: Association for Geospatial Information in the South-East Europe - AGISEE, National and University Library in Zagreb, Croatian Environment Agency, City Office for Strategic Planning and the Development of the City of Zagreb, and Donors: Croatian Geological Institute, and the Tourist Board.

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Mirko Husak

## MULTISOFT - III. Smallworld Day 2012



The III. Smallworld Day meeting was held on 21.09.2012 in the premises of the hotel Antunović Zagreb in the arrangement of the company Multisoft, the authorized GE Energy regional partner in Croatia.

There were around 70 participants present at the meeting from the companies being the users of the mentioned technology: HEP Opskrba d.o.o., HEP ODS d.o.o., Croatian Telekom, Faculty of Electrical Engineering and Computing (FER), State Geodetic Administration, as well as other interested users from other organisations. The representative of the company GE Energy, Mr. Damien Wall held a very interesting presentation titled *Asset Management Update*. It was followed by a series of presentations prepared by the representatives of FER guided by Prof. Davor Škrlec, PhD that illustrated the cooperation with FER, Smallworld at FER, EE calculations and GIS, and GIS and SLAP. The representatives of the

company Multisoft presented the new development solutions and products for the existing and future users. Among other things, we were given the opportunity to get acquainted with the Smallworld 4.3, DEGIS 4302, Quality Manager, Network Inventory 43, Gas Distribution Office, DRM in Smallworld. There were also the news from Multisoft presented that are connected with the additional modules for telecommunication OPA and Light Path, as well as FME Server. The presentations of the users who presented the projects realised in collaboration with the company Multisoft were significant and useful. The following works were presented: Mr. Igor Lukačević, HEP OPS *Application of GIS (Smallworld / DeGIS) in HEP-OPS*, Mrs. Branka Vorel, State Geodetic Administration *Application of FME Tools in SGA*, and Mr. Milan Milunović, HEP ODS *The Role of GIS (Smallworld / DeGIS) in Increasing the Efficiency of ODS*.

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Ljerka Vuković Jelčić

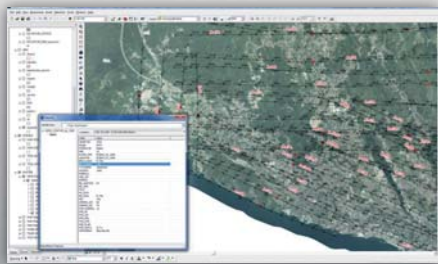
## RCO Osijek

The Regional Cadastral Office Osijek, Department for Real Estate Cadastre Donji Miholjac, completed as planned the presentation about the cadastral municipality Lacići at the end of September. The survey encompassed 3399 ha with 2102 ha of farmland and 68 ha of building land. A new homogenized vector plan with recorded changes was made for the rest of 1229 ha of forests. The survey was performed in the planned term by Geoprojekt.d.o.o. Zagreb. The Department for Real Estate Cadastre Donji Miholjac organised the exposition of data to public inspection with Ivana Vrtar and Blaženka Kovačević responsible for the event, and the Municipality Court in Valpovo, Land Registry Department in Donji Miholjac with its head Branka Jović.

According to the Decision of the State Geodetic Administration, the cadastral survey in the cadastral municipality was initiated as well. The survey encompassed the whole cadastral municipality with the area of 698 ha. The value of the works is 447.567,50 kn, and the funds shall be provided by SGA in the amount of 40%, and by the Municipality Marijanci in the amount of 30%. After the procedure of common procurement had been completed, Geodetski zavod d.d. Osijek has been selected as a contractor. The preparation activities had started, and in September, the meeting was organised with the participants of the survey activities in Hrvatski dom in Čamagajevci, where the significance and the goals of this project were presented. The owners and users of real estates will obtain new updated and harmonized cadastral and land registry data, since the cadastral municipality Čamagajevci has the data from the old graphical survey at the scale of 1:2880 from the 19. Century with uncoordinated land registry, cadastral and field data. The surveying procedure will provide for the municipality Marijanci the undisturbed disposal of land owned by the Republic of Croatia, as well as further development of the local self-government unit.

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Tomislav Mađarić

# Improvement of searching and issuing of aerial photogrammetry material




The Section of Spatial Data and Services, the organisational part of the Unit for Spatial Data, Services and Archives in the Department for Geoinformation Systems has conducted an inventory of aerial photogrammetry material of the State Geodetic Administration collected before the year 1968.

During the inventory, it was found out, that there are 74 tasks, 1 091 series and 16 aerial photographs available. At the same time, the flight plans were made for all aerial photogrammetry surveys performed before 1968. The flight plans were made in ArcGIS Explorer programme. GIS browser was created for the search of photographs and data. The created GIS browser offers also the possibility of searching and overlapping with cartographic documents HOK, TK25, DOF5, cadastral plan and the

data from the Central Register of Regional Units. The overview of cadastral municipalities was obtained in which aerial surveys were made before 1968. It has made it possible to issue the information and data much faster, especially related to the requirements that are connected with the issuing of Certificates about the time when the structure presented on aerial photographs made on the basis of the surveys performed before the 15. February 1968 were registered.

I would especially like to point out the extraordinary collaboration with the Independent Unit for Quality Control and Surveillance that supported the development of the mentioned GIS solution providing its knowledge and experience. This is one of the steps in the development of the digital archive system in the central office that shall entail other activities.

 Sanja Mimica

## Cadastral municipality Turanj



The Contract for the performance of geodetic and cadastral services has been signed for the purpose of establishing the real estate cadastre at the territory of the cadastral municipality Turanj. The Contract has been signed by the director of the State Geodetic Administration, Danko Markovinović, PhD, the mayor of Karlovac Mr. Damir Jelić, and on behalf of the contractor, the director of the company Geodist d.o.o. Mr. Tomislav Stipetić.

The subject of this Contract is to perform the cadastral surveys over the area of 1077 hectares, and the planned term for the performance of the tasks is two years. The value of the contracted works amounts to almost 1,4 million KN with VAT. The funds have been provided as follows: the State Geodetic Administration 40%, the Town Karlovac 60%. The mutual collaboration between the State Geodetic Administration and the Town Karlovac and the efforts made have resulted in the new

cadastral surveys and successfully updated land registry for two cadastral municipalities that are economically of great interest for the population - Karlovac 1 (1074 ha) and Karlovac 2 (1322 ha) with the total area of about 2400 ha. The completion of these two cadastral surveys has made the Town Karlovac to be one of rare larger towns in the Republic of Croatia that have regulated cadastral and land registry records for the central town area. The cadastral survey of the cadastral municipality Turanj presents a logical continuation of the plan that was outlined already in the year 2000. The signing of this Contract presents the continuation of the systematic approach that the State Geodetic Administration advocates in solving the problems of real estate registration in the Republic of Croatia dealt with for more than 11 years so far. The final results of this project are the improvement of economic prosperity and the situation in economy, as emphasized by the director of the State Geodetic Administration.

 SG

## Cadastral municipality Koprivnički Ivanec



In the premises of Koprivničko-križevačka County, the Agreement for the Performance of Geodetic and Cadastral Service was signed on 20. September, 2012 intended for the establishment of the real estate cadastre at the territory of the municipality Koprivnički Ivanec. The Agreement was signed by Danko Markovinović, PhD, the prefect Darko Koren and the mayor of the Municipality Koprivnički Ivanec, Božidar Vrabelj, as well as the director of the company GEO GAUSS d.o.o. Čakovec Josip Puklavec, as the representative of the contractor. The president of the Municipality Court in Koprivnica, Lidija Vuljak, the head of the Regional Cadastral Office Koprivnica, Jelena Ungar, and the deputy prefect Darko Sobota participated at the event of signing the Agreement.

It is planned within this Agreement to perform the cadastral survey in the area of 1967 hectares, and the planned term for the works to be completed is two years. The value of the contracted works amounts up to about 2,4 million KN with VAT. The funds are provided as follows: State Geodetic Administration - 40%, Koprivničko-križevačka County - 15% and the Municipality Koprivnički Ivanec - 45%. It should be especially pointed out that also the cadastral survey for a part of the cadastral municipality Kunovec (about 1168 ha) was planned by the signed Agreement from February 2011 for which the new tenders will be invited. By signing the agreement for the survey of the cadastral municipality Koprivnički Ivanec, the continuity of performing cadastral surveys at the territory of Koprivničko-križevačka County has been retained, and there have been over 30 million KN already invested in these surveys. Immediately after completing all surveys, the cadastral and land registry committees were established for the purpose of presenting the data collected by means of cadastral surveys, and now new cadastral documents, as well as the new land registry books are in force. The speed and the facility in using the data is obvious and the users, as well as the parties and employees maintaining such data are getting more and more satisfied every day.

 SG