

JANUARY – APRIL 2016

Content

ZIS education



Dronfest IN2



5th European Day of Geodesy and Geoinformation



Zagreb association of geodesists



RE-appointment of the director of SGA

At the 6. meeting of the Government of the Republic of Croatia on 4. March 2016, Mr. Danko Markovinović, PhD was re-appointed to the position of the director of the State Geodetic Administration.

Danko Markovinović, PhD was born in Vinkovci on 27. July 1967. After completing the elementary and secondary school, he was admitted at the Faculty of Geodesy, University in Zagreb and graduated from this faculty in 1994. He was granted his Master's degree also at the Faculty of Geodesy in 2001, and his doctoral degree in 2009 after defending his doctoral thesis titled "Gravimetric Reference System of the Republic of Croatia". Since 1995 until his first appointment to the position of the director of the State Geodetic Administration in February 2012, Mr. Danko Markovinović, PhD was employed at the Faculty of Geodesy, University in Zagreb.

During his career, he has participated in numerous project in his homeland and abroad, and performed various professional and research activities. He was elected a member of the management board of the Croatian Chamber of Chartered Engineers of Geodesy (HKOIG) and a president of the Committee for Continuous Professional Development in HKOIG. At present, he is acting as the vice president of the Council of European Geodetic Surveyors (Comité de Liaison des Géomètres Européens – CLGE), and he is also a member of the Management Board of EuroGeographics.

We congratulate Mr. Markovinović on his re-appointment to the position of the director of the State Geodetic Administration, as well as on his so far achieved results in his work, and wish him to run the State Geodetic Administration equally successfully in the future.

Editorial Board

ZIS education

During the implementation of the existing ZIS Agreement, the data in 68 cadastral offices, i.e. land registry offices are kept and maintained in the Common Information System of Land Registry and Cadastre (ZIS).

The employees of cadastral offices are trained to obtain the skills necessary to prepare the offices for ZIS and to work with ZIS application. The education is organised in accordance with the Plan of ZIS establishment in all cadastral offices and land registry offices, and with the Training Plan for the year 2015.

The goal of ZIS education is to provide for the employees in cadastral offices (land registry offices) the skills necessary for the tasks to be performed, as well as the skills needed to use the applications or to do the processing accurately and quickly with the smallest possible loss of productivity resulting from switching from one application to another.

There are altogether 950 employees working in cadastral offices in the Republic of Croatia. According to the Education Plan developed for the Plan of ZIS Establishment in cadastral and land registry offices, all employees should attend the education before starting to work in ZIS.

Based on the Education Plan, the employees are organised in various groups of trainees depending on the role they should have in the establishment of ZIS and their work on ZIS.

1. **Organisational key users** attended the education in the period of 3 weeks (two weeks of training for the work with the application and one week of education needed to organise and prepare the offices before the beginning of actual work with ZIS). The education was





organised by the employees of Ericsson NT and of SGA in the premises of SGA. After completing the education, the organisational key users received a certificate of successful completion of training and of the qualification to transfer knowledge to other employees related to the work in ZIS. According to this education model, there were **21 employees** of SGA and **2 employees** of the City Bureau for Cadastre and Geodetic Works of the City of Zagreb trained.

2. **Key users** attended the education in the period of 2 weeks related to the work with the application. They were trained by the employees of Ericsson NT. After completing the education, the key users received the certificate of successful completion of training and of the qualification to transfer knowledge with E-learning resources and to help other employees in the work with ZIS. According to this model, there were **33 employees** of

SGA trained. Further **44 employees** will be trained in 2016 as key users of ZIS. The education of key users is organised in the premises of SGA.

3. **End users** attended the education in the period of one week related to the work with ZIS application. The education was organised in two modes.

a) The employees of cadastral office attended the education in the period of one week at the locations outside of their cadastral offices (Regional Cadastral Office Zadar, Požega, Bjelovar, Zagreb, Krapina, Čakovec, Varaždin, Sisak). They were trained by the employees of Ericsson NT and SGA mostly in the premises of SGA. There were about **280 employees** of SGA trained according to this model.

b) The employees attended the education in the period of one week at the location of their cadastral offices (Regional Cadastral Office Koprivnica, Virovitica, Slavonski Brod, Gospić, Osijek, Zagreb, Zadar, Karlovac). The education was organised and supervised by the employees of cadastral offices (key users) via E-learning courses. There were about **260 employees** of SGA trained according to this model.

300 employees more will be trained via E-learning in 2016. Thus, the total education of all 950 employees of cadastral offices will be completed.

The fifth group of key users (employees of cadastral offices Split, Šibenik and Rijeka) are attending the training at the moment. The photo illustrates a bit of the atmosphere in the training group.

Maja Pupačić, grad. eng. geod.

The Conference DRONFEST IN2

The Conference on unmanned aerial vehicles titled Dronfest IN2 was held in Zagreb on 30. 3. 2016. The presentations at the Conference were held in three sets and in two workshops. The topic of one of the sets was related to legal regulations, and there were three presentations held:

1. "Applicable regulations for safe usage of unmanned aerial vehicles in the Republic of Croatia"; **Marina Fekonja Dragan**, Croatian Civil Aviation Agency.
2. "Operations of unmanned systems in the airspace of the Republic of Croatia"; **Marinko Keser**, Croatia Control.
3. "Legal and subordinate regulations related to obtaining the permission for aerial photography"; **Ivan Landek**, State Geodetic Administration.

The presentations were followed by a panel discussion in which a few lecturers participated together with Mr. Mišo Mudrić from the Faculty of Law, University in Zagreb. The host of the panel discussion was Mr. **Ivica Mudrinić**. This currently the fastest growing branch of economy triggered great interest of a limited number (300) of participants.

There were a lot of question raised in the panel discussion that are related to the regulations specifying the issuing the permission for unmanned aerial vehicles. The role of the State Geodetic Administration is extremely important in the coordination of many state institutions and in issuing the permissions for aerial photography based on the Law on Defence ("National Gazette" number 73/13, 75/15 and 27/16) and on Decree on Aerial Photography ("National Gazette" number 130/12). The Conference was excellently organised by the company IN2 from Zagreb. *Mr. Sc. Ivan Landek*



The visit of students from France

At the request of the colleagues from the *Institut national des sciences Appliquées* (INSA) from Strasbourg, the products and services of SGA were presented to 26 students from INSA in the Central Office of the State Geodetic Administration on 1. 4. 2016 within the frame of technical training of students.

After the welcome note of the Deputy Director V. Majetić, the students learned about: the Department for State Survey presented by M. Premužić and I. Vilus, the Department for Cadastral System presented by M. Pupačić and M. Liker Božičević, and the Department for Spatial Data Infrastructure presented by T. Ciceli and S. Mimica.

Within the frame of technical training, the students from France visited also the Faculty of Geodesy.

Igor Vilus



5th European Day of Geodesy and Geoinformation

The Council of European Geodetic Surveyors (CLGE) suggests every year the whole calendar year to be devoted to one European scientist. Last year, the year 2015, was devoted to the Greek scientist Euclid.

It was decided at the meeting of CLGE in Reykjavik that the year 2016 should be devoted to the Croatian scientist Ruđer Bošković. On 22. 4. 2016, a gala ceremony was organised on this occasion in the premises of the Croatian Academy of Sciences and Art. The book "Ruđer Bošković and Geosciences" written both in Croatian and English was presented at the ceremony.

The whole event was organised under the auspices of the European Parliament, the president of the Republic of Croatia, the Government of the Republic of Croatia and the Croatian National Parliament.

The gathering was welcomed by the representative of the above mentioned institutions, Jean-Yves Pirlot, the president of the Council of European Geodetic Surveyors, Branko Bačić in the name of the Croatian National Parliament, professor Ivan Šestak, the dean of the Faculty of Philosophy of the Society of Jesus, in the name of the Provincial of the Croatian Province of the Society of Jesus, father Ante Tustonjić, in the name of the Croatian Academy of Sciences and Art Žarko Dadić, and the Minister of Construction and Physical Planning Lovro Kušćević in the name of the Government of the Republic of Croatia.

In the name of the organiser, the gathering was addressed by the dean of the Faculty of Geodesy, University in Zagreb, professor Damir Medak, PhD, the president of the Croatian Chamber of Chartered Engineers of Geodesy Vladimir Krupa,



grad. eng. geod. and the director of the State Geodetic Administration, Danko Markovinović, PhD.

Professor Stipe Kutleša gave on the occasion the plenary lecture titled "Bošković's Natural Philosophy as a Guidance to Modern Science".

After the plenary lecture, the book "Ruđer Bošković and Geosciences" was presented.

The book was presented by professor Miljenko Solarić, PhD, professor Josip Farčić, PhD, and the editor of the book, professor Miljenko Lapaine, PhD.



The event was enriched by a musical performance prepared by maestro Pavao Mašić.

There were about hundred guests from various state and scientific institutions in the Republic of Croatia present at the Conference.

The gala ceremony was organised by the State Geodetic Administration, the Faculty of Geodesy, University in Zagreb and the Croatian Chamber of Chartered Engineers of Geodesy.

The conference was financially supported by numerous sponsors and donors, and the main sponsor was Hrvatska elektroprivreda (HEP).
Mr. Sc. Ivan Landek



Elected new management of the Zagreb association of geodesists

Initiated by the Croatian Association of Former Students and Friends of the Faculty of Geodesy (AMCA – Geof) and its president professor emeritus Zdravko Kapović, the Zagreb Association of Geodesists resumed its work by organising an Assembly where new management of the association was elected.

The Assembly session of the Zagreb Association of Geodesists was held at the Faculty of Geodesy on 12. February 2016 in Zagreb, Kačićeva Street 26. There were 67 members of the Association participating at the session.

Before the Assembly session organised by AMCA – Geof, Damir Pahić, grad. eng. – the director of the Institute for Photogrammetry d.d. held the introductory lecture titled: “Situation in Geodetic Activity in 2010 – 2015”.

The president of the Croatian Geodetic Society, Milan Rezo, PhD, the dean of the Faculty of Geodesy, professor Damir Medak, PhD, the deputy director of the State Geodetic Administration Vladimir Majetić, grad. eng. geod., and the president of the Croatian Cartographic Society, professor Miljenko Lapaine, PhD attended the lecture and the Assembly.

After reading the Statute of the Zagreb Association of Geodesists, the Assembly adopted unanimously the Statute that had been harmonized with the Law on Associations (“National Gazette” No. 74/14). The following members of the presidency were elected unanimously for a four-year term:

- Željko Bačić – Faculty of Geodesy
- Dragutin Bajilo – Vještačenje Bajilo d.o.o.
- Matija Franić – City Bureau for Cadastre and Geodetic Works
- Jasna Jezerčić Cvitković – City Bureau for Cadastre and Geodetic Works

- Martin Lončarić – Geo-land d.o.o.
- Antonio Luketić – Geodist d.o.o.
- Biserka Maurer – Geodetic Technical School
- Bruno Pacadi – City Bureau for Cadastre and Geodetic Works
- Damir Pahić – Institute for Photogrammetry d.d.
- Aleksandra Rulj – Ericsson Nikola Tesla Services Ltd.
- Nenad Smolčak – Geomatika-Smolčak d.o.o.
- Zlatko Šurina – retiree
- Antonio Šuštić – SGA.

The members of the Supervisory Board:

- Darko Car – Cadcom d.o.o.
- Zdravko Kapović – retiree
- Kristijan Krznarić – Geo Omega d.o.o.
- Armando Slaviček – Geodetic Technical School
- Snježana Vrbanović – City Bureau for Cadastre and Geodetic Works.

Jasna Jezerčić Cvitković – a member of the presidency was elected a liquidator of the Association.

The members of the presidency elected unanimously the geodesist Bruno Pacadi a president of the Zagreb Association of Geodesists, and Biserka Maurer, Željko Bačić and Damir Pahić as vice presidents. Zlatko Šurina was elected a secretary, and Matija Franić a treasurer.

The president Bruno Pacadi thanked to the members of the Association in his own name and in the name of the new established Presidency of the Zagreb Association of Geodesists for the honour and trust.

The newly elected president and the Presidency of the Association received the first congratulation from the president of the Croatian Geodetic Society, the associate professor Milan Rezo, PhD, who expressed his wishes for successful work. He thanked especially the initiative committee for restoring the work of the Zagreb Association of Geodesists and also for the effort invested in the successfully organised Assembly.

Bruno Pacadi

