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Technical meeting of EGM, EBM and ERM data producers

Regular annual meeting of EuroGlobalMap, EuroBoundaryMap and EuroRegionalMap producers was held in Vienna on 9. and 10. April. It was organised by EuroGeographics (more about the organisation and products at www.eurogeographics.org), and the purpose of this technical meeting was to make the producers acquainted with the novelties and changes in the production and with the updated plan of data delivery. A part of the sessions was dedicated to the presentation of the project ELF (European Location Framework), i.e. of the development in the product specification and preparation of geo-tools.

Mihajla Liker Božičević (EBM) and Ivana Šimat (ERM) participated at the meeting and presented the current situation related to the data intended for the production of EBM and ERM. On the basis of the information given about data sources, used hardware and software for the production, the manner of performing or planning the production, and about the obstacles and existing problems, the representatives of EuroGeographics will be able to define the guidelines for better production.



The organisers pointed out the growth of demand and taking over of data from the moment when the data of EGM became available free of charge, and poll results show that the users appreciate these data because they are collected and updated by NMCA (National Mapping and Cadastral Agencies).

Ivana Šimat



Commencement of the works on cadastral surveys in the Municipality Brestovac and the Town Požega

On the basis of the Public Service Contract related to geodetic and cadastral services, the works on cadastral surveys intended for the establishment of real estate cadastre have been initiated at the territory of the Municipality Brestovac (cadastral municipality Jaguplije) and the Town Požega (cadastral municipalities Drškovci and Komušina). The Contract was concluded between the Municipality Brestovac, the Town Požega and the State Geodetic Administration.



The present records in the cadastre and land registry related to these cadastral municipalities are based on the data collected in 1862, hence, the new surveys are the continuation of systematic updating of cadastral and land registry records at the territory of the Regional Cadastral Office Požega that started with the land consolidations and cadastral surveys, and recently continued with cadastral surveys at the territory of the Municipality Brestovac cadastral municipalities Dolac, Brestovac, Završje and Nurkovac, and at the territory of the Town Požega with cadastral surveys for the cadastral municipalities Novo Selo, Vidovci and Dervišaga.

At the opening of the works on 06.03.2014 in **Brestovac**, there were the mayor Zdravko Mandić, the representative of SGA Josip Mikšik, the prefect Alojz Tomašević, the president of the Municipal Court in Požega Snježana Polgar, and the representatives of the contractor Geo Grupa d.o.o present.

The territory of the cadastral municipality Jaguplije includes about 988 ha, and the value of the works is about 2.464.000 kn that will be funded by the Municipality Brestovac in the amount of 60 %, and by SGA in the amount of 40%.

We have, of course, planned in our programme to continue with surveying, since the situation in cadastre and land registry is still not settled and properly regulated – said the mayor of the municipality Brestovac, Zdravko Mandić, and also added - The works are soon expected in the cadastral municipalities Daranovci and Zakorenje, and since the territory of the municipality covers 20 cadastral municipalities, it will take 20 years to update land registry at this rate. This surveying will bring most profit to the inhabitants themselves, the owners of land, because the possibility to used the land properly will be increased, along with its value.

The public gathering was held on 25.2.2014. at 16:00 in the premises of the school with the inhabitants of Skenderovac, and at 18:00 o'clock in the premises of the Firehouse with the inhabitants of Jaguplije.

The works in **Požega** were opened by the mayor Vedran Nefrović, and Antonio Šustić, the representative of SGA. There were also the representative of land registry Anamarija Kovačević, the head of the Regional Cadastral Office Rijeka, Vladimir Majetić, and the representatives of the contractor Geoprojekt d.o.o. present.

The cadastral municipalities Drškovci and Komušina include the area of about 569 ha. The value of the works is about 1.331.000



kn that will be funded by the Town Požega in the amount of 60 %, and by SGA in the amount of 40%.

On the same day, after the works had been opened, a public gathering with the citizens was held at 16:00 o'clock in the place Drškovci where the head of the Regional Cadastral Office Požega and the representatives of the contractor talked to the citizens about the works on cadastral survey, about their rights and obligations, and answered the questions raised by the citizens. At 18:00 o'clock on the same day, the public gathering was held in the city hall with the citizens of Komušine. The occasion was used to point out the importance of permanently monumenting the property. The citizens responded more than expected.

The opening of these sites has initiated all planned cadastral survey in this year at the territory of the Regional Cadastral Office Požega: Bučje, Jaguplije, Drškovci and Komušina with the total area of about 2.567 ha and total value larger than 6.000.000 kn

We are glad that we have started these geodetic works that are important not only for the citizens, but also for the profession. We believe that we shall have good collaboration with all participants in this procedure: the citizens, land registry, municipality, town, state representatives, public companies, etc. It is the only way to complete these complex works that will result in the creation of new cadastral and land registry records needed in modern spatial management and economic development. We hope that it will help in retaining the tradition and status of cadastre having no unfinished cadastral surveys at its territory.

Josip Mikšik



Completed presentation of cadastral municipality Borovo Naselje and the beginning of the presentation of cadastral municipalities Nijemci and Ilača



Initiated by the Regional Cadastral Office Vukovar, the State Geodetic Administration started in 2007 the project of surveying the houses built in the process of reconstructing the family houses devastated and damaged during the war, as well as the houses encompassed by the Regulation on Granting the Flats and Houses Owned by the Republic of Croatia at the territories of special state care to Croatian defenders, and to the family members of the soldiers who were killed, confined or missing during the homeland war (National Gazette 142/06), and made agreement about surveying the mentioned houses at the territory of the Town Vukovar together with the Ministry of Sea, Tourism, Traffic and Development of that time that financed the entire surveying activity.

Within the frame of this project, the company Geodetski zavod Osijek completed from the fall 2007 until spring 2009 the cadastral survey of the cadastral municipality Borovo Naselje being a part of the Town Vukovar.

Within the frame of the cadastral survey, the borders of the cadastral municipality Borovo Naselje with the three neighbouring cadastral municipalities, Borovo, Bršdin and Trpinja, were changed so that the new border of the cadastral municipality Borovo Naselje would correspond to the border of the locality (town) Vukovar.

The presentation of the data collected in cadastral survey and the renewal of the land registry of the cadastral municipality Borovo Naselje started on 4.10.2010 in the field office in former kindergarten in Borovo Naselje. The commission for data presentation consisted of 4 members (Dinka Čaleta, Anđa Šeremet, Zlata Nedić and Ivan Krekić) from the Regional Cadastral Office Vukovar, and the commission of the Municipal Court in Vukovar consisted of 4 judges and the head of the land registry department, as well as of 3 authorized employees of the land registry who took turns in performing the jobs on the presentation, i.e. on the jobs of land registry renewal. The head of the Department for Cadastral Programmes and Geodetic Works, Mrs. Terezija Pavelić, monitored the presentation.

The basic data about the cadastral municipality Borovo Naselje that are related to the presentation and renewal are the following:

- 3467 cadastral lots before the survey
- 2881 new cadastral lots after the presentation
- the area of the cadastral municipality Borovo Naselje before the survey 334ha7253m²
- the area after the change of borders and after the presentation 493ha6790m²
- within the frame of the survey there were 5102 buildings surveyed, and only 176 were recorded as built land. The mutual certificate was obtained for the houses built during the reconstruction, and there were also 379 single documents collected related to the usability of buildings
- 3435 presentations (3678 cadastral lots, 3156 property sheets, 4976 persons)
- 1356 changes in the book of changes/changes of building names, entries of house number, corrections incorrectly computed areas, changes of usage, etc.
- 273 filed complaints, 1 appeal to the complaint – rejected – administrative lawsuit

A few specific phenomena related to the cadastral municipality Borovo Naselje should be pointed out, as well as for the works on cadastral survey, and then to the presentations and land registry renewal for the mentioned cadastral municipalities. It is almost completely built area (5102 buildings) with great displacement of population being the consequence of war events in the Homeland War, which required the parties to be invited several times. During the surveying activities, the Law on Physical Planning and Construction was changed, and it was prescribed by the law to collect the documents about the usability of buildings, i.e. the registration of buildings was changed. The cadastral municipality Borovo Naselje was defined in the process of land consolidation in 1963 as a cadastral municipality of rural character, however it was heavily urbanized in 1970-ties and 1980-ties. Due to a large number of changes in 1986, cadastral survey was made again, but it was not completed. All documents related to the urbanization activities and intensive construction were destroyed in the Homeland War, both those owned by the parties, as well as by the institutions, which made it impossible to solve legal property relationships, as well as to prove legal status of buildings, and the situation was not changed until 2007.

The Town Vukovar and the owners of individual lots did not succeed to agree with regard to the issue of ownership during the process of presentation, thus, some lots remained in the ownership of the Town, although they were actually the parts of plots owned by private owners. All above mentioned caused long lasting presentation of cadastral survey data and the renewal of land registry. However, after all these procedures, the cadastral lots are not convenient for possible new activities, i.e. ownership can now be settled.

At the remaining territory of Vukovarsko-srijemska County, the building in the area of the Town Ilok, the municipality Nijemci and the municipality Tovarnik have been surveyed within the frame of the mentioned project, and during 2010, 2011 and 2012, the cadastral surveys were performed at the territory of several cadastral municipalities (built areas of certain localities – intravilan): c.m. Šarengrad (*intravilan*, 87 ha), c.m. Nijemci, Apševci, Podgrađe and Lipovac (*intravilan*, 576ha), and c.m. Ilača (*intravilan*, 115 ha). The mentioned jobs were performed in collaboration with the State Geodetic Administration and the Ministry of Regional Development, Forestry and Water Economy that provided the funds for the mentioned activities in the budget of the Republic of Croatia. The contractor of all cadastral surveys was the company CADCOM d.o.o. Zagreb.

In continuation to the cadastral surveys, the presentation of data on 17.3.2014 related to the cadastral part of the c.m. Nijemci (*intravilan* 322 ha 90 30 m², 1180 cadastral lots, about 1500 persons, and 2780 buildings) was organised by the commission consisting of two employees from the Department for Real Estate Cadastre Vinkovci (Vesna Židov and Ivan Damjanović) having the cadastral municipality Nijemci at its territory, and the head (Ankice Damjanović) and two employees (Branka Sadrić and Datson Blažević) from the Department for Real Estate Cadastre Županja. The



members of the commission of the Municipal Court Vinkovci are the judge, the head of the land registry department, and 5 authorized employees of the land registry. They performed the jobs of presenting and renewal. The presentation and renewal take place in the hall of the Municipality Nijemci. The head of the Department for Real Estate Cadastre, Mrs. Ines Sukić-Majstorović monitors the presentation.

There have been also some preparations made for the presentation of cadastral survey data related to a part of the cadastral municipality Ilača (*intravilan* 129ha50 68m², 671 cadastral lots, about 800 persons, and 1260 buildings) and for the

renewal of land registry. The employees have been trained to use new applications for presentation.

The presentation started on 5.5.2014 and will be conducted by three employees from the office in Vukovar (Dinka Čaleta, Zlata Nedić and Hrvoje Sesar), and by the judges from the Municipal Court in Vukovar and land registry employees from the land registry department in Vukovar and the land registry department in Ilok. The head of the Department for Cadastral Programmes and Geodetic Jobs, Mrs. Terezija Pavelić, monitors the activities.

The presentation of data for the cadastral municipality Ilača will be supported by the new presentation application. Iвица Ivšić

The students of the Faculty of Geodesy, University in Zagreb visited Požega

The Faculty of Geodesy, University of Zagreb organised the visit to Požega on 15. and 16. May 2014. The purpose of this visit was to make the rounds of the site in the cadastral municipality Bučje where cadastral survey is being performed, and to visit the Regional Cadastral Office Požega.

There were 27 students included into the trip who attend the last term of the graduate study programme and are now working on their diploma theses. They were accompanied by their professors – the dean, Prof. Miodrag Roić, PhD, the vice dean for teaching and student affairs, assistant professor Dražen Tutić, PhD, and Prof. Vlado Cetl, PhD. The contractor's experts from the Institute for Photogrammetry from Zagreb, talked in Bučje about the procedures and methods used in cadastral survey. Unusually bad weather that had caused the floods in this area made a more significant field work impossible.

On the second day, the students visited the Regional Cadastral Office Požega. They were given the opportunity to learn about more recent history of the cadastre in Požega illustrated to them in the educational hall of the new cadastre building by the head of Regional Cadastral Office Požega, Mr. Josip Mikšik who highlighted the extraordinary activities performed by this office.

The presentation showed the processes that were used to replace the cadastre run on "paper" with digital cadastre. The book of land cadastre was replaced by computer supported cadastral evidence in Požeška banka, which was improved by the application of the late Mr. Cigić, IGEA and finally JIS. The students could also see the activities related to the transformation of cadastral plans in digital form, new construction and digitizing, as well as the procedures of maintaining DKP by ACADMap, Vektorija, and finally JIS. There were also the applications presented that are used in utility cadastre and in the register of point coordinates. The students were also made familiar with the activities related to the transfer and updating of the Register of Regional Units into digital form, as well as with the cadastral survey works at our territory.

After that, the heads of the department, Mrs. Blaženka Gavran and Mr. Danko Ordanić, as well as senior advisors Kristina Šebalj and Aleksander Balog, and Mr. Slaven Gašpar explained in more details individual tasks in JIS that are performed within the frame of the cadastral system, from the work with clients, in administrative office, the works related to the changes in UP and NP cases, and to control and verification of documents. The students also had the opportunity to see the archives, information and CROPOS station, and we were really pleasantly surprised by the interest shown by the students.

It was pointed out in the presentation, that the data from cadastral records and land registry in Požega were united for the first



time in the Republic of Croatia after more than 100 years creating one register for 11 cadastral municipalities (from Brestovec to Zarišć) in Land Database. This date shall quite surely enter into the history of Croatian cadastre. There were also the activities mentioned that the students will be faced with in their future work, from the homogenization of cadastral plans, One Stop Shop to individual transfer of plots into real estate cadastre, i.e. Land Database.

The students were recommended to think about the question whether surveyors need to strive today to the accuracy of 10 cm in recording the boundaries in cadastral register, at least in inhabited places. The head believes that other professions expect it from us and that only surveyors can offer such performance and sees no reason why it should not be offered today. There was even higher accuracy suggested in the discussion.

At the end of the presentation, the students were warned about the importance of life-long learning, proactivity, inventiveness and creativity in work, and we reminded them that they should use the knowledge acquired at the Faculty, because this is the only way to be satisfied at their work places.

The students were satisfied with what they had seen and also surprised with the appearance and equipment of the new cadastral building being far from what we have so far believed the state administration should look like.

The employees of the cadastre in Požega are happy that they had such a rare opportunity to host our colleagues from the Faculty of Geodesy. We would like to thank Zvečevo d.d. who donated small presents for our guests.

Josip Mikšik and Maša Malić