

# VIZURA

INFORMATION LEAFLET OF THE STATE GEODETIC ADMINISTRATION

NO. 60 | APRIL 2012.



## Contents

### INSPIRATION



### GEOInformatics



### Regulation on Internal Organization of the State Geodetic Administration



## INSPIRATION - Spatial Data Infrastructure in the Western Balkans

21. and 22. March, there was the initial working meeting for the project: „INSPIRATION - Spatial Data Infrastructure in the Western Balkans“ held. The guiding line of the project is the promotion of spatial data infrastructure in the countries of the region. The main topic of the meeting was to present the expectations of the countries using the project itself.

The representatives of the main project users, as well as of state institutions responsible for state survey and cadastre participated at the meeting as follows:

- Central Office for Real Estate Registration of the Republic of Albania
- Federal Agencies for Geodetic and Property and Legal Affairs of the Federation of Bosnia and Hercegovina
- Republic Agencies for Geodetic and Property and Legal Affairs of the Serb Republic, BiH
- Real Estate Agencies of Monte Negro
- Cadastral Agencies of Kosovo [This designation is without prejudice to positions on status, and is in line with UNSC 1244 and the ICJ Opinion on the Kosovo declaration of independence]
- Agency for Real Estate Cadastre of the Former Republic of Macedonia
- Republic Geodetic Institute of the Republic Serbia, and
- State Geodetic Administration of the Republic of Croatia.

There was also the representative of the Joint Research Center, Mr. Vlado Cetl, PhD present at the meeting on behalf of the European Commission. The project will be implemented by the consortium consisting of the following members:

- GFA Consulting Group GmbH, Germany
- Con terra GmbH, Germany
- Umweltbundesamt GmbH, Austria
- GISDATA d.o.o., Croatia.

The project has three basic components:

- Analysis of legal and institutional framework needed for the establishment of NSDI
- Creation of knowledge capacities and transfer
- Promoting and raising the awareness of NSDI

At the meeting of the Board of Directors, the director of the State Geodetic Administration, Mr. Danko Markovinović, PhD, was appointed Chairman, and the director of the Agency for Real Estate Cadastre of the Former Republic of Macedonia, Mr. Ljupčo Georgievski, Deputy Chairman of the Board of Directors.



Tomislav Ciceli

# GEoInformatics

Interview with the director of the State Geodetic Administration, Danko Markovinović, PhD, published in the magazine GEoInformatics, 3 April/May 2012, Volume 15.

Vice-President for Geodesy and GI, Director of the Croatian State Geodetic Administration

Interview with Danko Markovinović, CLGE

**GeoInformatics:** Mr. Markovinović, you're the CLGE Vice-President in charge of Geodesy and GI, what does this mean?

CLGE has a bureau, composed by President Jean-Yves Pirlot (BE), Secretary General Michelle Camilleri (MT) and Treasurer Dieter Seitz (DE). There are also three ordinary Vice-Presidents: Pierre Bibollet (FR), Rudolf Kolbe (AT) and Leiv Bjarte Mjøs (NO). They share the traditional tasks of our organization, oriented towards the Education, Professional Practice and European Affairs. The board has the opportunity to appoint additional VP, in charge of developments of special interest. The previous Treasurer, René Sonney (CH), was always insisting on the importance of GeoInformation and the outstanding role CLGE should play in this field. This was visionary. A few years later it became evident that CLGE could not remain inactive in these matters, hence my recent nomination. It suffices to think about new topics such as Galileo, EGNOS, GNSS, GIS, INSPIRE, NSDI, ESDI... to be convinced that something is going on. We know of course that Surveyors have an important role to play in the European Geodetic Infrastructure but everybody isn't aware of what's an evidence for us.

**But there are so many organizations already active in geodesy and GI. What's the added value of CLGE?**

You're right. We do not want to duplicate what FIG, IGA and EuroGeographics as well as the European National Mapping and Cadastral Agencies are doing, of course not. We want to be active in the political field, anticipate new regulations and stimulate better pan European Cooperation. For instance, we think that there's a lack of coordination when it comes to the European Geodetic Infrastructure. Although a certain level of scientific and technical coordination exists, we are convinced that it should be improved. In the field of CORS, a lot of people managing the different networks will say that the existing cooperation based on the results of EUREF and bilateral talks are sufficient. However, this cooperation is not homogeneous over the whole European continent. Moreover, cooperation can always be improved. If we take Nord Rhein Westfalen (NRW) and Rheinland Pfalz, two neighbouring German Länder for instance, their cooperation is very good, within SAPOS. The cooperation between NRW and Flanders is probably good as well, but undoubtedly it could be even more effective to come on the same



Danko Markovinović



Jean-Yves Pirlot chairing the High Precision and Agriculture GNSS Applications panel (Courtesy of GSA - Peter Gutierrez)

level than within SAPOS. Does EUREF have the same possibilities? Wouldn't it be interesting to give EUREF and or EuroGeographics or any other Agency such a task? In the field of the use of the true ETRS 89, wouldn't it be interesting to oblige or at least encourage member states to use it? What about the example of EUPOS uniting central and East European states? These are only some examples of questions that we are pondering for the time being.

**Do you think that your questions are heard?**

We are uniting 36 member states with close to 100.000 individual professionals. Of course, as we always say, this is still a very small number when compared to the European population but you will not deny that within the GI community our association has a respectable size. In front of the European Geodetic Infrastructure one can think of us as a huge user group.

During the Galileo Applications Congress in Prague, end of January 2012, the Executive Director of the European GNSS Agency, Carlo des Dorides, has heavily insisted on the cooperation of his agency, with organisations such as

ours. My answer is: "CLGE is ready to take its responsibilities". As we've stated during the Umeå seminar, held on 22-23 June 2011, CLGE is willing to provide a platform via which this tremendous user group can voice its needs and remarks about existing or lacking services.

**Indeed, CLGE seems to have close contacts with GSA, tell us more about it.**

We are very proud about our cooperation with this Agency. It is the first time that the policy started under our previous President, Henning Elmstroem (DK), has achieved really tangible results. We have to anticipate professional developments and not endure them passively. First GSA has asked us to conduct a study with them about the penetration of EGNOS (the European Geostationary Overlay System). Then they've appointed some of our experts to assist them in writing a market report about GNSS. Finally, President Pirlot, had the honour to chair one of the sessions of the Galileo Applications Congress 2012, in Prague [see our inset]. We feel that eventually we've raised profile towards the European Bodies in charge of Geodesy and GeoInformation. However, the way to appear on the radar of the European and national politicians with the intensity we would deserve is still long, I am afraid.

**INSPIRE is an enormous initiative, isn't it? Can you really take part in the game?**

We are aware of the size of INSPIRE and do not want to play Don Quixote. We know that the NMCA's and EuroGeographics are very deeply involved in these topics. We do not want to interfere with them. Bear in mind that we are representing the profession as a whole. It means that we unite civil servants, academics as well as publicly appointed and private surveyors. Knowing this, it makes no sense trying to compete with the employers of many of our members. As a matter of fact our current president is Deputy Director General of the Belgian Mapping Agency and I was recently appointed as Director General of the Croatian State Geodetic Administration. We would never destroy during weekends what is painstakingly built during the week... No, CLGE wants to liaise with the professionals from the different sectors and only intervene when we've a real added value. I've mentioned our ideas about the Geodetic Infrastructure. Another example is in the initiative we've taken to define new measurement code for the surfaces of buildings. This was the missing link within INSPIRE and we're happy that we've helped to raise awareness about that fact.



### What are the prospects?

I've reported about what we've done. It's a good start but we have to go on, pushing for more cooperation at the state level and CLGE playing its role as a user group. However, we feel that other tasks are awaiting us. Especially in Western Europe we are facing problems in recruiting youngsters. We have to increase our presence in political discussions about academic issues. For CLGE, the geodetic engineers need a solid initial education completed with a trustworthy Continuous Professional Education. At several occasions CLGE has underlined the absolute need of a Master diploma completed with a one or

two year traineeship as well as an additional examination, when it comes to cadastral surveyors. This does not mean that Geodetic Technicians are of no use, of course not! But the technical field (geodetic infrastructure, GNSS...) is yet another domain implying this high level education for the surveyors taking responsibilities in that aspect. Moreover, sufficient proportion of Master students should access the PhD studies, to ensure the preservation of high level knowledge, especially in Geodesy.

The offer of high level geodetic education is declining, at least in several western European countries whereas the number of students is

also vanishing in the last years. Thus, there is an urgent need to react.

### And the prospects with the European Commission?

We're still eager to interact with the European Commission as well. About my speciality, we think that Article 26 of the Services Directive gives room for quality management and quality certification initiatives. A lot to do, huge challenges but there's a saying that we follow "One need no hope in order to undertake, nor success in order to persevere". But, as we have hope and experience some success, it's even easier to go on.

## Regulation on Internal Organisation of the State Geodetic Administration

At the 18. meeting of the Government of the Republic of Croatia held on 29. March, 2012 there was a Regulation on Internal Organisation of the State Geodetic Administration passed. The Regulation stipulates the internal organisation of the SGA, the names of its internal organisational units, the scope of their activity and their management, approximate number of civil servants and employees needed for the performance of jobs within the activity scope of SGA and the manner of planning the tasks, as well as other issues significant for the operation of SGA. SGA performs its administrative and other professional jobs belonging to its scope of activity in the Central office in Zagreb and in Regional offices.

The following organisational units are established in the Central Office:

#### 1. Office of the director

#### 2. Department for state survey

##### 2.1. Unit for fundamental geodetic works

###### 2.1.1. Division for geodetic control networks

###### 2.1.2. Division for CROPOS

##### 2.2. Unit for topographic survey and state maps

###### 2.2.1. Division for cartography

###### 2.2.2. Division for photogrammetry

###### 2.2.3. Division for topographic databases

##### 2.3. Unit for state borders

#### 3. Department for cadastral system

##### 3.1. Unit for cadastral surveys and preparation of cadastral documents

###### 3.1.1. Division for cadastral surveys

###### 3.1.2. Division for preparation of cadastral documents

##### 3.2. Unit for special registers and registration projects

###### 3.2.1. Division for special registers

###### 3.2.2. Division for special registration projects

##### 3.3. Unit for the maintenance of cadastral documents and mutual land information system (LIS)

###### 3.3.1. Division for the maintenance of cadastral documents

###### 3.3.2. Division for mutual land registry and cadastre system (LIS)

##### 3.4. Unit for administrative procedures and geodetic inspection

###### 3.4.1. Division for procedures of second instance and supervision

###### 3.4.2. Division for geodetic inspection

#### 4. Department for geoinformation systems

##### 4.1. Unit for National Spatial Data Infrastructure (NSDI)

###### 4.1.1. Division for coordination of National Spatial Data Infrastructure (NSDI)

###### 4.1.2. Division for Geoinformation System development

##### 4.2. Unit for spatial data, services and archives

###### 4.2.1. Division for spatial data and services

###### 4.2.2. Division for archives and data conversion

#### 5. Department for financial affairs, strategic planning, procurement and general affairs

##### 5.1. Unit for financial affairs and strategic planning

###### 5.1.1. Division for financial and strategic affairs

##### 5.1.2. Division for accounting affairs and state treasury

##### 5.2. Unit for procurement and general affairs

#### 6. Independent unit for legal affairs and human resources

##### 6.1. Division for legal affairs

##### 6.2. Division for human resources

#### 7. Independent unit for quality control and supervision

#### 8. Independent unit for information and communication technologies

#### 9. Independent unit for internal revision

The following offices have been established for the performance of the activities of regional offices:

#### 1. Regional cadastral office Zagreb

##### 1.1. Division for cadastral programmes and geodetic activities

##### 1.2. Division for real estate cadastre Dugo Selo

##### 1.3. Division for real estate cadastre Sveti Ivan Zelina

##### 1.4. Division for real estate cadastre Ivanić-Grad

##### 1.5. Division for real estate cadastre Jastrebarsko

##### 1.6. Division for real estate cadastre Samobor

##### 1.7. Division for real estate cadastre Velika Gorica

##### 1.8. Division for real estate cadastre Vrbovec

##### 1.9. Division for real estate cadastre Zaprešić

#### 2. Regional cadastral office Krapina

##### 2.1. Division for cadastral programmes and geodetic activities

##### 2.2. Division for real estate cadastre Krapina

##### 2.2.1. Branch cadastral office Pregrada

##### 2.3. Division for real estate cadastre Zabok

##### 2.3.1. Branch cadastral office Klanjec

##### 2.4. Division for real estate cadastre Zlatar

##### 2.5. Division for real estate cadastre Donja Stubica

#### 3. Regional cadastral office Sisak

##### 3.1. Division for cadastral programmes and geodetic activities

##### 3.2. Division for real estate cadastre Sisak

##### 3.2.1. Branch office for real estate cadastre Petrinja

##### 3.2.2. Branch office for real estate cadastre Hrvatska Kostajnica


##### 3.2.3. Branch office Dvor

##### 3.3. Division for real estate cadastre Glina

##### 3.3.1. Branch office for real estate cadastre Topusko

- 3.4. Division for real estate cadastre Novska
- 3.5. Division for real estate cadastre Kutina.
- 4. Branch cadastral office Karlovac**
  - 4.1. Division for cadastral programmes and geodetic activities
  - 4.2. Division for real estate cadastre Karlovac
    - 4.2.1. Branch office for real estate cadastre Slunj
    - 4.2.2. Branch office Vojnić
  - 4.3. Division for real estate cadastre Ogulin
  - 4.4. Division for real estate cadastre Duga Resa
    - 4.4.1. Branch office for real estate cadastre Ozalj
- 5. Regional cadastral office Varaždin**
  - 5.1. Division for cadastral programmes and geodetic activities
  - 5.2. Division for real estate cadastre Varaždin
    - 5.2.1. Branch office for real estate cadastre Ludbreg
  - 5.3. Division for real estate cadastre Ivanec
  - 5.4. Division for real estate cadastre Novi Marof
- 6. Regional cadastral office Koprivnica**
  - 6.1. Division for cadastral programmes and geodetic activities
  - 6.2. Division for real estate cadastre Koprivnica
  - 6.3. Division for real estate cadastre Đurđevac
  - 6.4. Division for real estate cadastre Križevci
- 7. Regional cadastral office Bjelovar**
  - 7.1. Division for cadastral programme and geodetic activities
  - 7.2. Division for real estate cadastre Bjelovar
    - 7.2.1. Branch office for real estate cadastre Čazma
  - 7.3. Division for real estate cadastre Daruvar
    - 7.3.1. Branch office for real estate cadastre Garešnica
    - 7.3.2. Branch office for real estate cadastre Grubišno Polje
- 8. Regional cadastral office Rijeka**
  - 8.1. Division for cadastral programmes and geodetic affairs
  - 8.2. Division for real estate cadastre Rijeka
  - 8.3. Division for real estate cadastre Opatija
  - 8.4. Division for real estate cadastre Crikvenica
    - 8.4.1. Branch office for real estate cadastre Rab
  - 8.5. Division for real estate cadastre Delnice
    - 8.5.1. Division for real estate cadastre Čabar
    - 8.5.2. Branch office real estate cadastre Vrbovsko
  - 8.6. Division for real estate cadastre Krk
    - 8.6.1. Branch office for real estate cadastre Mali Lošinj
    - 8.6.2. Branch office for real estate cadastre Cres
- 9. Regional cadastral office Gospić**
  - 9.1. Division for cadastral programmes and geodetic activities
  - 9.2. Division for real estate cadastre Gospić
    - 9.2.1. Branch office for real estate cadastre Korenica
    - 9.2.2. Branch office for real estate cadastre Donji Lapac
    - 9.2.3. Branch office for real estate cadastre Novalja
    - 9.2.4. Branch office Lovinac
  - 9.3. Division for real estate cadastre Otočac
  - 9.4. Division for real estate cadastre Senj
- 10. Regional cadastral office Virovitica**
  - 10.1. Division for cadastral programmes and geodetic affairs
  - 10.2. Division for real estate cadastre Virovitica
    - 10.2.1. Branch office Pitomača
  - 10.3. Division for real estate cadastre Slatina
    - 10.3.1. Branch office for real estate cadastre Orahovica
- 11. Regional cadastral office Požega**
  - 11.1. Division for cadastral programmes and geodetic activities
  - 11.2. Division for real estate cadastre Požega
  - 11.3. Division for real estate cadastre Pakrac
- 12. Regional cadastral office Slavonski Brod**
  - 12.1. Division for cadastral programmes and geodetic activities
  - 12.2. Division for real estate cadastre Slavonski Brod
  - 12.3. Division for real estate cadastre Nova Gradiška

- 13. Regional cadastral office Zadar**
  - 13.1. Division for cadastral programmes and geodetic activities
  - 13.2. Division for real estate cadastre Zadar
    - 13.2.1. Branch office Gračac
  - 13.3. Division for real estate cadastre Pag
  - 13.4. Division for real estate cadastre Biograd na Moru
  - 13.5. Division for real estate cadastre Benkovac
    - 13.5.1. Branch office for real estate cadastre Obrovac
- 14. Regional cadastral office Osijek**
  - 14.1. Division for cadastral programmes and geodetic activities
  - 14.2. Division for real estate cadastre Osijek
  - 14.3. Division for real estate cadastre Beli Manastir
  - 14.4. Division for real estate cadastre Đakovo
  - 14.5. Division for real estate cadastre Našice
  - 14.6. Division for real estate cadastre Valpovo
  - 14.7. Division for real estate cadastre Donji Miholjac
- 15. Regional cadastral office Šibenik**
  - 15.1. Division for cadastral programmes and geodetic activities
  - 15.2. Division for real estate cadastre Šibenik
  - 15.3. Division for real estate cadastre Knin
  - 15.4. Division for real estate cadastre Drniš
- 16. Regional cadastral office Vukovar**
  - 16.1. Division for cadastral programmes and geodetic activities
  - 16.2. Division for real estate cadastre Vukovar
    - 16.2.1. Branch office Ilok
  - 16.3. Division for real estate cadastre Vinkovci
  - 16.4. Division for real estate cadastre Županja
- 17. Regional cadastral office Split**
  - 17.1. Division for cadastral programmes and geodetic activities
  - 17.2. Division for real estate cadastre Split
    - 17.2.1. Branch office for real estate cadastre Omiš
    - 17.2.2. Branch office for real estate cadastre Supetar
    - 17.2.3. Branch office for real estate cadastre Vis
    - 17.2.4. Branch office for real estate cadastre Makarska
    - 17.2.5. Branch office for real estate cadastre Imotski
    - 17.2.6. Branch office for real estate cadastre Vrgorac
  - 17.3. Division for real estate cadastre Sinj
  - 17.4. Division for real estate cadastre Solin
    - 17.4.1. Branch office for real estate cadastre Kaštel Sućurac
  - 17.5. Division for real estate cadastre Trogir
  - 17.6. Division for real estate cadastre Stari Grad
    - 17.6.1. Branch office for real estate cadastre Hvar
- 18. Regional cadastral office Pula**
  - 18.1. Division for cadastral programmes and geodetic activities
  - 18.2. Division for real estate cadastre Pula
  - 18.3. Division for real estate cadastre Buje
  - 18.4. Division for real estate cadastre Labin
  - 18.5. Division for real estate cadastre Poreč
  - 18.6. Division for real estate cadastre Pazin
    - 18.6.1. Branch office Buzet
  - 18.7. Division for real estate cadastre Rovinj
- 19. Regional cadastral office Dubrovnik**
  - 19.1. Division for cadastral programmes and geodetic activities
  - 19.2. Division for real estate cadastre Dubrovnik
  - 19.3. Division for real estate cadastre Korčula
    - 19.3.1. Branch office for real estate cadastre Blato
  - 19.4. Division for real estate cadastre Metković
    - 19.4.1. Branch office for real estate cadastre Ploče
- 20. Regional cadastral office Čakovec**
  - 20.1. Division for cadastral programmes and geodetic activities
  - 20.2. Division for real estate cadastre Čakovec
  - 20.3. Division for real estate cadastre Prelog

 Maša Ćimović