

“GIS ODYSSEY 2014”  
– Conference & Exhibition  
(Crikvenica, Croatia, 1<sup>st</sup> – 5<sup>th</sup> September, 2014)

Marlena Jankowska

*PhD, University of Silesia in Katowice, Poland*

The conference took place on 1-5 September 2014 in Crikvenica (Croatia), under the auspices of State Geodetic Administration of the Republic of Croatia and Hydrographic Institute of the Republic of Croatia. The annually held conferences are designed to unite Croatian and Polish scholars in order to establish a platform for interdisciplinary dialogue in relation to issues of relevance to GIS. This year's conference was organised by HIZ-GIS Forum and Institute of Oceanography and Fisheries from Croatia along with its Polish partners: University of Warmia and Mazury in Olsztyn, University of Silesia in Katowice, Cardinal Stefan Wyszyński University, Real Estate Scientific Society and SILGIS Association. While it is not possible to talk at length on every speaker, I would like to highlight a few core points made at the conference.

Dr. Agnieszka Dawidowicz and Prof. Davorin Kereković gave a key opening speech greeting everyone and wishing all the participants a fruitful debate over the wide range of topics that were to be discussed within the upcoming days.

The first to present was Dr. Vlasta Begović (Institute of Archaeology in Zagreb) who presented a part of the studies on the late Roman seaborne trade in the eastern Adriatic, which were taken in the course of the implementation of the project “Archaeological Topography of Croatia in Classical Antiquity”. The aim of the project was to build a geocoded database of the archaeological sites in the area of the present Republic of Croatia in order to reconstruct ancient landscapes.

The next session was a lively and interactive one, as it was designed to be a poster session during which the participants presented the final remarks following their research in a form of a poster. The participants posed questions to the authors, as well as expressed diverse, contrasting and thought-provoking views. The topics presented were as follows: “Impact of Differ-



*Participants during the poster session (from the left J. Bydłosz, PhD, T. Budzyński, PhD, M. Jankowska, PhD, and K. Kurowska, PhD)*

ent Antenna Calibrations Models on Height Determination in Dependence of Session Duration – A Case Study” (Dr. Karol Dawidowicz, University of Warmia and Mazury in Olsztyn), “Application of Image Geoinformation in the Safe Space Development Process” (Dr. Anna Maria Kowalczyk and Dr. Andrzej Biłozor, University of Warmia and Mazury in Olsztyn), “The Use of

GIS Computer Applications in Spatial Planning” (Dr. Hubert Kryszk and Dr. Krystyna Kurowska, University of Warmia and Mazury in Olsztyn), “Geodetic Elaboration of Subsidence of Overload Dykes” (Dr. Kamil Kowalczyk, University of Warmia and Mazury in Olsztyn) and “The Role of Information in Urban Land Management and Valuation” (Dr. Agnieszka Dawidowicz, Dr. Alina Żróbek-Róžańska and Prof. Ryszard Żróbek, University of Warmia and Mazury in Olsztyn).

Dr. Jarosław Bydłoz (AGH University of Science and Technology in Kraków) raised the topic of ISO 19152 “Land Administration Domain Model” development and its influence on country land administration systems. By example of Cape Verde, Croatia, Cyprus, Honduras and Guatemala, Korea and Poland asserted that the aforementioned model took great attention both during and after its development.

The next presentation was carried by Eng. Irena Džunic (City office for Cadastre and Geodetic activities, City of Zagreb) who brought in greater detail the topic of positional data of utility cadastre as a basis for construction, maintenance and management of public lightning infrastructure by example of City of Zagreb and the ZagEE project which is being implemented there till 2016.

In turn, Dr. Agnieszka Dawidowicz focused on spatial data infrastructure in selected countries, such as Poland, the Netherlands and Slovakia, in order to compare the political and socio-economical situation corresponding to the ongoing implementation of INSPIRE Directive 2007/2/EC.

Next, Dr. Marek Ogryzek (University of Warmia and Mazury in Olsztyn) spent a few words on the elaboration of the value maps for agricultural real properties in the resources of the Agricultural Property Agency (APA) using the GIS tools.

The next paper was presented by Dr. Marcin Kulawiak (Gdansk University of Technology) who discussed a methodology of providing satellite data

cataloguing and integrating a Web based GIS with European Space Agency Service Support Environment. He purported that the presented solution was an example of processing and sharing satellite data between diverse and not accurately compatible systems.

Prof. Vlado Dadić (Institute of Oceanography and Fisheries in Split) presented on investigation of meteotsunami by example of meteotsunami warning systems highlighted the obstacles for using marine data for the upcoming period of time till 2020. Dr. Katica Križanović followed his speech, by referring to Etzkowitz, and emphasized that “universities are becoming more and more important participants in the creation of sustainable social development because connecting the learning process with economic activities can affect the creation of sustainable dynamics of economic and social development of the community in which the university works”.

More than that, some light has been shed also on legal issues corresponding to GIS and maps. Dr. Anita Kwartnik-Pruc (AGH University of Science and Technology in Kraków) referred to determining rights to space in the construction process and Dr. Marlena Jankowska (University of Silesia in Katowice) discussed the topic of liability in the use of GIS under US and Polish law. Also, Prof. Piotr Parzych (AGH University of Science and Technology in Kraków) presented in detail legal aspects of zoning fees assuming that in respect to numerous factors affecting real property value, a pricing method should be individualised for each case.

The papers presented are to be found in co-authored monographs published by Croatian Information Technology Society, GIS Forum in cooperation with University of Warmia and Mazury in Olsztyn and University of Silesia in Katowice.

The next GIS Odyssey is to be held in Perugia, Italy. More information is to be obtained from the website: <http://www.silgis.us.edu.pl/>.



*Participants of GIS ODYSSEY 2014*