

5TH JUBILEE INTERNATIONAL CONFERENCE ON CARTOGRAPHY & GIS

15 - 21 JUNE 2014, RIVIERA, BULGARIA

Bulgarian Cartographic Association International Cartographic Association

University of Architecture, Civil Engineering and Geodesy

5[™] INTERNATIONAL CONFERENCE ON CARTOGRAPHY AND GIS

June, 15-21, 2014 Riviera, Bulgaria

UNDER THE PATRONAGE OF PROF. KRASIMIR PETROV, RECTOR, UNIVERSITY OF ACEG

PRELIMINARY PROGRAMME

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Sunday, June 15, 2014

Arriving in Varna and transport transfer Varna-Riviera

Riviera Beach Hotel, Riviera-Varna 2:00 p.m. – 7:00 p.m. Registration

Monday, June 16, 2014

Riviera Beach Hotel, Riviera-Varna 08:30 a.m. Registration

9:00 a.m. Keynote speech 1

Chair: Temenoujka Bandrova, Bulgaria

1	From the Early Digital Technologies to Web 2.0 Based Cartography in the Thematic Mans	ICA / Hungary
1		

June 16 9:30 a.m. – 11:00 a.m. Plenary Session 1 GIS Technologies and Related Disciplines (continued in PS2)

2	Vladimir Markovic, Ugljesa Stankov, Stevan Savic, Michal Klauco, Marko Pavlovic	A GIS Analysis of Artificial Surfaces Impact on Urban Heat Islands of Novi Sad, Serbia	Serbia / Slovakia
3	Karel Janecka , Jana Hejdova	Validation of Data of the Basic Register of Territory Identification, Addresses and Real Estates	Czech Republic
4	Yana Angelova	Means for Managing Banks of Spatial Information	Bulgaria
5	Ymer Kuka, Perparim Ameti, Besim Ajvazi, Milaim Sylka	Development of Nationally Standardized Application for Land Expropriation in Kosovo	Kosovo
6	Jan Pacina , Eliška Vajsová	The Influence of Anthropogenic Activity on the Landscape Changes – Reconstruction and Analysis Related Technologies	Czech Republic



11:00 a.m. - 11:30 a.m. Coffee Break

June 16 11:30 a.m. – 1:00 p.m. Plenary Session 2 GIS Technologies and Related Disciplines (continued in PS3)

Chair: Necla Ulugtekin, Turkey

7	Xiaoidong Liu, Chun Dong, Jiping Liu, Fengguang Kang, Bin Li	The Research of Geographic Information Position Match Method by Emergency	China
8	Krystyna Kurowska, Hubert Kryszk, Ewa Kietlińska	GIS Tools and Map Services in Spatial Planning	Poland
9	Petar Penev	In Search for Map Accuracy	Bulgaria
10	Harbil Arregui, Patrick Krejci, Oihana Otaegui	Heterogeneous Cartographical Datasets Handling for Personalized Urban Pedestrian Routing. The ARGUS Use Case for Blind and Visually Impaired	Spain / Austria
11	José Jesús Reyes Nunez	The Use of Cartograms in School Cartography	Hungary

June 16 1:00 p.m. – 1:30 p.m.

Meeting of Commission on Cartography and Children

Chair: Jose Jesus Reyes Nunez

Shimshon Livni

Presentation of e-texbook

"On the Way from the Globe to the Maps of our Land"



1:30 p.m. – 2:15 p.m. Lunch time

June 16 2:15 p.m. – 3:30 p.m. Plenary Session 3 GIS Technologies and Related Disciplines

Chair: Jose Jesus Reyes Nunez, Hungary

16	Michael E. Hodgson, Bruce Davis, Haiqing Xu, Karen Beidel, Silvia E. Piovan	A Real-Time Mobile Image Analysis Tool (MIAT) for Field and Command Staff During the Emergency Response Phase	USA
15	Armen Saghatelyan, Shushanik Asmaryan, Vahagn Muradyan	The Utility of GIS for Assessing the Ecological State and Managing Armenia's Farmlands	Armenia
13	Dalibor Bartoněk , Jiří Bureš, Irena Opatřilová	Possibilities of Improvement of Image Classification via GIS Tools	Czech Republic
12	Ion Alberdi Bartolomeé, Maider Laka Iñurrategi, Igor García Olaizola	Review of Consolidated Web Mapping Technologies for the Management and Visualization of Multiple Geospatial Data Layers	Spain



3:30 p.m. – 4:00 p.m. Coffee Break

Conference hall

4:00 p.m. OPENING CEREMONY of the 5th Conference on Cartography and GIS

Greetings:

- Prof. Dr. Krasimir Petrov, Rector of the University of Architecture, Civil Engineering and Geodesy
- Prof. Dr. Milan Konecny, President International Organizing Committee
- **Prof. Laszlo Zentai**, ICA General Secretary
- H.E. Mr. Pavel Vacek, Ambassador of the Czech Republic in Bulgaria
- Greetings by sponsors
- Greetings by Members of National and Region Government



Greetings to all participants by Children folklore group "Dobrotitsa" from Dobrich city

June 16 5:00 p.m.-7:15 p.m. Plenary Session 4 Contemporary Problems Using Geodetic Coordinate Systems and Map Projections

Chair: Miljenko Lapaine, Croatia

17	Martina Triplat Horvat, Miljenko Lapaine	Determining the Map Projection of the Old Maps	Croatia
18	Jakub Havlicek, Jiri Cajthaml	Influence of Used Reference Coordinate System for Georeferencing	Czech Republic
19	Miljenko Lapaine , Martina Triplat Horvat	Determination of Standard Parallels Based on Parameters of Normal Aspect Conical Projections	Croatia
20	Bashkim Idrizi	Length Differences between Topography Surface and Map Projections: Case Study: Country Area of Macedonia	FYRO Macedonia

Keynote Speech 2

21	Barbara Ryan	Building a Global Earth Observation System of Systems (GEOSS)	GEO
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Sponsor Speech 1

22	Michael Gould	Cartography and Other Key Components of the GIS Platform for a Mobile-First World	ESRI / USA
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7:15 p.m. Group photo of all participants
Place: Swimming pool of Riviera Beach Hotel



7:30 p.m. Welcome Reception, sponsored by ESRI and Intergraph

Dobrich string quartet (2 violins, viola and violoncello) will perform music by Mozart, Gershwin; jazz and film music.

Tuesday, JUNE 17, 2014

<u>June 17</u> 9:00 a.m. – 10:30 a.m. Plenary Session 5 Web Cartography and Digital Atlases (continued in PS6)

Chair: Ibrahim Oztug Bildirici, Turkey

23	Temenoujka Bandrova, Milan Konecny, Aneliya Yotova	Cartography Development and Challenges on the Basis of Big Data	Bulgaria / Czech Republic
24	Tomas Mildorf, Jan Jezek, Otakar Čerba , Christian Malewski, Simon Templer, Michal Šrédl, Karel Charvat	Open Data Platform for Data Integration, Visualisation and Map Design	Czech Republic
25	Otakar Čerba , Vaclav Cada	Internet Map – Linked Data and Information	Czech Republic
26	Mariyan Markov, Georgi Gladkov, Peter Danchev	State of Art Approach to Cartography	Bulgaria
27	Irina Rotanova, Nikita Repin	Development of Complex Atlas Mapping by the Example of New Atlases of the Altai	Russia



10:30 a.m. - 11:00 a.m. Coffee Break

<u>June 17</u> 11:00 a.m. – 12:30 p.m. Plenary Session 6 Web Cartography and Digital Atlases

Chair: Rufino Pérez, Spain

28	Nikolay Baranovskiy, Marina Zharikova	A Web-Oriented Geoinformation System Application for Forest Fire Danger Prediction in Typical Forests of the Ukraine	Russia / Ukraine
29	Sebastian Meier, Frank Heidmann, Andreas Thom	Heattile, a New Method for Heatmap Implementations for Mobile Web- based Cartographic Applications	Germany
30	Mamdouh El-Hattab, Aymen Solyman, Mohamed Waleed Fakhr, Rifai Ibrahim Rifai	An Integrated Web Mapping Solution to Assess the Effect of SLR on the Northern Coast of EGYPT – EGSLR	Egypt
31	Chun Dong, Bin Li, Jiping Liu, Fengguang Kang, Xiaoidong Liu	Means of Developing the Application of Geographic National Conditions Webmap	China
32	Yuri Raizman , Angel Angelov	Mapping of Bulgaria with A3 EDGE	Israel / Bulgaria



12:30 p.m. - 1:30 p.m. Lunch time

June 17 1:30 p.m. - 2:00 p.m. Sponsor Speech 2

Chair: Milan Konecny, Czech Republic

33	Robert Nagy	21 Century GIS Workflows - Fusing the Real and Digital	INTERGRAPH
		World	

June 17 2:00 p.m. – 3:30 p.m. SEMINAR WITH EU COOPERATION ON EARLY WARNING AND DISASTER / CRISES MANAGEMENT – PART 1a

UNDER THE AUSPICES OF THE AMBASSADOR OF THE CZECH REPUBLIC MR. PAVEL VACEK

Chair: Milan Konecny, Czech Republic

European, Asian and World Concepts for Crises Management (CM) and Early Warning (EW)

Visualization of Geodata and Geoinformation in CM and EW

34	Milan Konecny	How to Develop Cartography Potentials for EW&CM in Big Data Era?	Czech Republic
35	Nina Dobrinkova, Andriana Zlatkova	Flood Risk Mapping Approach in Smart Water Project for the Municipal Area of Svilengrad	Bulgaria
36	Paulo Menezes, Manoel Fernandes, Dieter Muehe, Sirayama Lima	Environmental Sensitivity Oil Spill Maps - Campos Basin - Rio de Janeiro, Brazil	Brazil
37	Pavel Špulák, Jan Brothánek, Zdeněk Červenka	Various Approaches to the Programming of Thin Map Client for Information Support of Emergency Management	Czech Republic
38	Tahar Ledraa , Ali Al- Ghamdi	A Review of Flood Hazard Planning and Mapping within the Context of Saudi Arabia	Saudi Arabia



3:30 p.m. - 4:00 p.m. Coffee Break

June 17 4:00 p.m. – 5:30 p.m. SEMINAR WITH EU COOPERATION ON EARLY WARNING AND DISASTER / CRISES MANAGEMENT – PART 1b

Chair: Pavel Špulák, Czech Republic

39	Svetlozar Zahariev, Hristo Zehirev	Ruse Municipality Information solution for Critical Infrastructure protection	Bulgaria
40	Javier Lozano, Marco Quartulli, Naiara Aginako , Igor G. Olaizola	Semi-automatic Remote Sensing Image Layer Generator Based on Web Based Visual Analytics	Spain
41	Antoaneta Frantzova	Remote Sensing Application in Disaster Management of Natural Hazards	Bulgaria
42	Lyubka Pashova	Cartographic Design of Coastal Flood Risk Maps: Case Studies for the Black Sea Region	Bulgaria
43	Boyko Ranguelov	Early Warnings - Bulgarian Experience in Case of Time Deficit Systems (Earthquakes and Tsunamis)	Bulgaria

June 17 5:30 p.m. – 6:00 p.m.

Meeting of Commission on Cartography on Early Warning and Crises Management

Chair: Milan Konecny

Wednesday, JUNE 18, 2014

June 18 9:00 a.m. - 9:30 a.m. Keynote Speech 3

Chair: Philippe De Maeyer, Belgium

44	Sisi Zlatanova	3D GIS: the Technology behind	Netherlands
44	SISI Zialailova	the Pretty 3D Picture	Neulellalius

<u>June 18</u> 9:30 a.m. – 11:20 a.m. Plenary Session 7 Map Design and Production (continued in PS8)

45	Rasah Deeb, Stefan Bonchev , Temenoujka Bandrova, Philippe De Maeyer	How to Design User' Friendly Multilingual Maps? Cyrillic and Latin Labels	Belgium / Bulgaria
46	Robert Župan, Mateo Gašparović, Dubravko Gajski	The Usefulness of Today's Mobile Navigation Devices and Software	Croatia
47	Christophe Lienert, Stefan Meier	Environmental Data Visualisation EnVIS – Linking Real-Time Sensor Data to Spatial Data Infrastructures for Web-Based Visualisation	Switzerland
48	Risto Ribarovski, Bashkim Idrizi , Subija Izeiroski, Nikola Ribarovski	Historical Overview, Quality and Current Condition of the Macedonian National Topographic Mapping	FYRO Macedonia
49	Ali Al-Ghamdi	Optimising the Selection of a Number of Choropleth Map Classes	Saudi Arabia
50	Miglena Kuzmanova, Katerina Kuzmanova	New Trends in Production Mapping	Bulgaria



June 18 11:50 a.m. – 1:20 p.m. Plenary Session 8 Map Design and Production

Chairs: Bashkim Idrizi, FYRO Macedonia

51	Tomas Janata, Jiri Cajthaml, Pavel Seemann, Ruzena Zimova	The Academic Atlas of Czech History	Czech Republic
52	Krystyna Kurowska, Hubert Kryszk, Ryszard Cymerman	Elaboration of the Technology for Development of Planning Freedom Maps Using GIS Tools	Poland
53	Dariusz Dukaczewski	Designing Simple and Complex Animated Maps for Users from Different Age Groups, Employing the Appropriate Selection of Static and Dynamic Visual and Sound Variables	Poland
54	Dalibor Bartoněk, Jiří Bureš, Irena Opatřilová	The Solution of Massive Tasks in GIS Exemplified by Determining Terrain Surface Types above Gas Pipelines in the Czech Republic	Czech Republic
55	Irina Rotanova, Olga Lovtskaya	Approaches to Infrastructure Provision of Spatial Water-ecological Data on the Ob` River Basin Systems	Russia



1:20 p.m. – 2:30 p.m. Lunch time

June 18 2:30 p.m. – 3:30 p.m. SEMINAR WITH EU COOPERATION ON EARLY WARNING AND DISASTER / CRISES MANAGEMENT – PART 2

UNDER THE AUSPICES OF THE AMBASSADOR OF THE CZECH REPUBLIC MR. PAVEL VACEK

Chair: Dariusz Dukaczewski, Poland

User Needs and Context Mapping
From Discovery to Full Interoperability in CM and EW
"Speaking the Same Language - Semantic Aspects of CM"
Sensor Mapping for EW and CM

56	Tatiana Fuzella , Elena Volkova, Mary Melnik	Visualization of Spatial and Temporal Distribution of Natural Hazards for the Southern Taiga of Western Siberia Using GIS Technology	Russia
57	Nikolay Baranovskiy, Elena Yankovich	Estimation and Mapping of the Forest Fire Danger Caused by Action of The Focused Sunlight In GIS	Russia
58	Pedro Soares, Africa Gonzalez, Gema Maza, Antonio Gamarra, Bogdan Palade	GeoWeb Services in Support to EU Crisis Management	Portugal / Spain



3:30 p.m. – 4:00 p.m. Coffee Break

<u>June 18</u> 4:00 p.m. – 5:00 p.m. Plenary Session 9

Chair: Michael Hodgson, USA

59	Georgi Dobrinkov, Nina Dobrinkova	Wild Fire Behaviour Modelling Data Preparation for FARSITE Simulations in Bulgarian Test Cases	Bulgaria
60	Kremena Boyanova , Stoyan Nedkov, Benjamin Burkhard	Quantification and Mapping of Flood Regulating Ecosystem Services in Different Watersheds – Case Studies in Bulgaria and Arizona, USA	Bulgaria / Germany
61	Dimitris Kaimaris, Radina Yordanova	Evacuation Plan Utilizing GIS of the Historical City Center of Thessaloniki (Greece) Due to an Accident in a Gas Station	Greece



June 18 5:00 p.m. – 6:10 p.m. Plenary Session 10 Geospatial Data Acquisition by Remote Sensing Technologies for Cartographic Purposes

Chair: Paulo Menezes, Brazil

62	Hala A. Effat, Lamyaa G. Taha and Kamel Fathy	Mapping Land Cover Changes and Related Urban Heat Island, Using Multi-Temporal Images, Case Study Tanta City, Egypt	Egypt
63	Monika Kopecka, Rumiana Vatseva, Jan Feranec, Jan Otahel, Konstantin Rosina	Mapping and Analyzing Urban Dynamics Based on Remote Sensing for Spatial Planning and Management	Slovakia / Bulgaria
64	Petr Duda	Cartographic Issues of Volunteer Mapping of Environmental Noise Using Mobile Phones	Czech Republic
65	Iswari Nur Hidayati, Khalifah Insan Nur Rahmi, Gerry Kristian, Vidya Nahdhiyatul Fikriyah, Diyah Puspitaningrum	Analysis of Image Transformation and Land Use/Land Cover for Temperature Trends on Landsat Imagery	Indonesia

Thursday, JUNE 19, 2014

June 19 9:00 a.m. Keynote speech 4

Chair: Monika Kopecka, Slovakia

66 Lkhamsuren Dugerjav Will be announced Mongolia	
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<u>June 19</u> 9:30 a.m. –11:20 a.m. Plenary Session 11 Cartographic Visualization (continued in PS12)

67	Stella Todd	Cartographic Symbols Depicting Ecoregion Properties	USA
68	Alexey Noskov, Yerach Doytsher	Preparing Simplified 3D Scenes of Multiple LODs of Buildings in Urban Areas Based on a Raster Approach and Information Theory	Israel
69	Vladimir Tikunov, Olga Chereshnya	The Geographical Size of a Country and Methods for Its Calculation and Mapping	Russia
70	Mingyuan Hu, Hui Lin, Weitao Che, Tianpeng Lin, Fan Zhang	Combining Geographical and Social Dynamics in Dynamic 3D Environments	Hong Kong
71	Rufino Perez- Gomez, Juan-Jose Ibañez	Cartography and Geovisualisation Techniques in the Exploratory Study of Geodiversity: Almeria Case Study	Spain
72	Shudan Zheng, Jianghua Zheng	Assessing the Completeness and Positional Accuracy of OpenStreetMap in China	China



11:20 a.m. - 11:50 a.m. Coffee Break

<u>June 19</u> 11:50 a.m. – 1:20 p.m. Plenary Session 12 Cartographic Visualization (continued in PS13)

Chair: Miglena Kuzmanova, Bulgaria

73	Asli Yilmaz , Serkan Kemec, H. Sebnem Duzgun, Murat Perit Cakir	Cognitive Aspects of Geovisualisation: A Case Study of Active and Passive Exploration in a Virtual Environment	Turkey
74	Georgi Zhelezov, Aleksandar Todorov	Spatial Modeling of the Morphohidrographic Peculiarities in Kraishte Mountain Region between Rivers Bistritsa and Konska, Western Bulgaria	Bulgaria
75	Apostolos Papakonstantinou, Dimitris Varsamis, Nikolaos Soulakellis	An Algorithm for Optimizing the Inset Map Procedure in Areas with Land Discontinuity Problem	Greece
76	Stephan Angsüsser	Possible Reasons for Size Differences between Point Symbols in German and Chinese City Maps	China
77	Florian Hruby, Monica Chico-Avelino	The Visualization of Time - Towards a Typology of Dynamic Representations of Temporal Data	Mexico



1:20 p.m. - 2:30 p.m. Lunch time

June 19 2:30 p.m. – 4:20 p.m. Plenary Session 13 Cartographic Visualization (continued in PS14)

Chair: Georgi Zhelezov, Bulgaria

78	Murray Herron, David Jones, John Rollo, Mark Luther	Learn from Yesterday, Live for Today, Hope for Tomorrow. The Victorian Coastal Landscape and Landuse- Where Will It Be in 2050	Australia
79	Sinan Cetinkaya, Melih Basaraner	Towards a Typology Framework of the Building Alignments	Turkey
80	Gilbert Kotzbek, Wolfgang Kainz	Football Game Analysis: A New Application Area for Cartographers and GI-Scientists?	Austria
81	Nikolay Naydenov	Navigation Cartography for Bicycling Tourism	Bulgaria
82	Radim Stampach, Edvard Geryk, Milan Konecny, Petr Kubicek, Petr Diteand, Teodor Horvath	Multidisciplinary Cooperation of Health Specialists and Cartographers as Approach to Cancers Survivors	Czech Republic



4:20 p.m. – 4:50 p.m. Coffee Break

June 19 4:50 p.m. – 6:20 p.m. Plenary Session 14 Cartographic Visualization

Chair: Mariyan Markov, Bulgaria

83	Katerina Kuzmanova	What is New in ArcGIS 10.2	Bulgaria
84	Martina Vichrova, Michal Kepka	Database Implementation of the Means of Map Representation Catalogue for the Third Military Survey Maps	Czech Republic
85	Zbyněk Štěrba, Čeněk Šašinka, Zdeněk Stachoň	Usability Testing of Cartographic Visualizations: Principles and Research Methods	Czech Republic
86	Rositsa Yaneva, Georgi Zhelezov	Spatial Modeling and Zoning of Regulating Ecosystem Services in Relation to Flood Hazard in Northwestern Bulgaria	Bulgaria
87	Jan Russnák, Zdeněk Stachoň, Milan Konečný	Extended Usability of Old Map Information	Czech Republic
88	Karel Pavelka, Bila Zdenka, Jan Reznicek	Low Cost Digitization, Visualization and 3D Printing of Globes Using Photogrammetry	Czech Republic

June 19 6:20 p.m. – 6:50 p.m.

Meeting of Commission on Map Projections

Chair: Miljenko Lapaine, Croatia



8:00 p.m. Gala Dinner

Dress: Informal, light overcoat could be necessary
Bus will start in front of Riviera Holiday Club at 7:15 p.m.
Place: Chiflika Tavern, Chukurovo, www.bulgarianecotravel.net

Friday, JUNE 20, 2014

June 20 9:30 a.m. – 11:00 a.m. Plenary Session 15 Virtual Geographic Environment

Chair: Petar Penev, Bulgaria

89	Přemysl Jindrák , Radek Mandovec, Jarmila Váňová	The State Map Series of the Czech Republic – Advanced Cartographic Functions in Practice	Czech Republic
90	Roxana Nazarie, Lucian Zavate, Silvia Ustea	Romania's Topographic Map - Version 2.0	Romania
91	Denitsa Savova , Temenoujka Bandrova	3D Mapping of Mountain Territories - Virtual Visualization by 3D Symbol System	Bulgaria
92	Karel Jedlicka, Pavel Hajek	Large Scale Virtual Geographic Environment of the Castle Kozel - Best Practice Example	Czech Republic
93	Karel Staněk, Lucie Friedmannova	Temporal Instability of Landmarks in an Urban Space	Czech Republic



11:00 a.m. – 11:30 a.m. Coffee Break

<u>June 20</u> 11:30 a.m. – 1:00 p.m. Plenary Session 16 Cartography and GIS in Education (continued in PS17)

Chair: Lyubka Pashova, Bulgaria

94	Boyko Kolev	Geographic Information Systems (GIS) for Evaluation of Agroecological Resources in the Region of Yakoruda, Blagoevgrad District	Bulgaria
95	Zhanna Rodionova, Evgeniy Lazarev, Mariya Lazareva, Olga Nosova, Alexander Berlyant, Julia Brekhovskikh	Maps of Mars Compiled by Students at Lomonosov Moscow State University	Russia
96	Shimshon Livni	On the way from the Globe to the Maps of our Land	Israel
97	Melih Basaraner, Necla Ulugtekin, Ahmet Ozgur Dogru	Cartography And GIS Education In Geomatic Engineering	Turkey
98	Jana Vojteková, Matej Vojtek , Gabriela Repaská, Katarína Vilinová, Alena Dubcová	Application of Cartographic Methods in Teaching GIS on the Example of Cycle Routes	Slovakia



1:00 p.m. – 2:30 p.m. Lunch time

June 20 2:30 p.m. – 4:00 p.m. . Plenary Session 17 Cartography and GIS in Education

Chair: Stella Todd, USA

99	Aleksandar Todorov	HERE. Maps for Life	Bulgaria
100	Ibrahim Oztug Bildirici, Osman Sami Kirtiloglu, Necla Ulugtekin	Google Maps Api and Google Earth Api Integration: Development of an Educational Tool for Cartography Courses	Turkey
101	Ferim Gashi	Using Cartography and GIS in Spatial Planning and Environment-Study Case Prizren Municipality	Kosovo
102	Boyko Kolev, Nevena Miteva	Productive Characteristics of the Soils in Municipality of Bansko, Blagoevgrad	Bulgaria
103	Barbora Gajdošíková	Cartographic Language of Children	Czech Republic



4:00 p.m. – 4:30 p.m. Coffee Break

June 20 4:30 p.m. – 6:00 p.m. Plenary Session 18 GIS for Geology and Natural Sciences

Chair: Vladimir Tikunov, Russia

104	Mohamed Hegazy	Early Warning and Late Response of Land Collapse Geohazard Using Remote Sensing and GIS (Case study of Slum Areas East Cairo, Egypt)	Egypt
105	Androniki Tsouchlaraki, Markos Megaloikonomos	The Contribution of GIS to the Examination and Definition of Suitable Areas for Urban Planning And Development	Greece
106	Stoyan Nedkov, Mariyana Nikolova, Emil Gachev, Alexander Gikov	Mapping of Ecosystem Services Supply in Mountain Areas: a Case Study of Seven Rila Lakes, Bulgaria	Bulgaria

107	Osman Sami Kirtiloglu, Ibrahim Oztug Bildirici, Aydın Ustun	Developing Geovisual Analytics Environment With Map Mashups: A Case Study Of Konya Closed Basin	Turkey
108	Vahagn Muradyan, Shushanik Asmaryan	Applying GIS for Mapping Basic Integral Indices of Landscape- Ecological Analysis	Armenia

6:00 p.m. Closing ceremony

Saturday-Sunday, JUNE 21-22, 2014

Excursions

POSTERS

Monday, June 16, 2014 3:30 p.m. – 5:00 p.m. Poster Session 1

1	Kang Fengguang, Dong Chun, Li Bin, Liu Xiaodong	Exploratory Spatial Data Analysis of Regional Economic Disparities in Yunnan	China
2	Constantin Ionescu, Alexandru Marmureanu, Gheorghe Marmureanu, Dimcho Solakov, Stela Simeonova, Lilia Dimitrova	Bulgaria-Romania Cross-Border Earthquake Early Warning System (REWS) for Vrancea Strong Events – Most Recent Improvements	Romania / Bulgaria
3	Shimshon Livni	Presentation of e-Texbook "On the Way from the Globe to the Maps of Our Land"	Israel
4	Bin Li , Chun Dong, Jiping Liu, Fengguang Kang, Xiaodong Liu	A New Flood Prevention Service Platform for Geographic National Conditions Census Based on GIS and RS	China
5	Fatih Gulgen, Melih Basaraner, Mehmet Ali Yucel, Sinan Cetinkaya	Creating a National Park Geographic Information System: A Case Study for the Mount Ida	Turkey
6	Fakhir Eldeen Ahmed Abdallah	Using the GIS Technology in Solving the Problems of Coding the Quantitative Dots in the Thematic Maps: A Case Study of the Population Distribution Coding of the Central States in Sudan	Sudan

Tuesday, June 17, 2014 3:30 p.m. – 5:00 p.m. Poster Session 2

7	Ivan Radevski, Svemir	GIS of Natural Lakes in Republic of	FYRO
1	Gorin, Blagoja Markoski	Macedonia	Macedonia
8	Uglješa Stankov, Vladimir Marković, Stevan Savić, Dragan Dolinaj, Milana Pašić, Daniela Arsenović	Tourism Resources in Urban Heat Island: A GIS Analysis of Novi Sad, Serbia	Serbia
9	lvica Milevski	Slope Values Accuracy against the Resolution of the Digital Elevation Models in the Example of the Republic of Macedonia	FYRO Macedonia
10	Penka Kastreva, Emilia Kastreva	Mapping of the Cancer Distribution in Bulgaria	Bulgaria
11	Stanislava Dermekova, Dalibor Bartoněk	Multi-Criteria Decision Making: The User- Oriented Application for the Real Estate Market	Czech Republic
12	Khalifah Insan Nur Rahmi, Vidya Nahdhiyatul Fikriyah, Diyah Puspitaningrum	Spatio-Temporal Analysis for Aedes Albopictus Identification in Sleman Regency, Yogyakarta Based on Remote Sensing Data and Geographic Information	Indonesia

Wednesday, June 18, 2014 3:30 p.m. – 5:00 p.m. Poster Session 3

13	Blagoja Markoski, Svemir Gorin , Ivan Radevski, Tome Jovanovski	Digital Map of High Electrical Distribution Network Macedonia	FYRO Macedonia
14	Georgi Zhelezov	Models of Reconstructions in Ostrov Wetland System	Bulgaria
15	Pavel Hájek, Karel Jedlička, Radek Fiala, Michal Kepka, Martina Vichrová, Václav Čada	Completion of Complex 3D Model of the Terezín City - Technical Issues	Czech Republic
16	Justyna Kacprzak, Katarzyna Przyszewska	Digital Geomorphological Maps of Poland	Poland
17	Ivana Andresova	Cataloguing Cartographic Materials at the National Library of the Czech Republic	Czech Republic
18	Silvia Ustea, Andreea Anghel, Lucian Zavate	A Glance in the Past: Bucharest from Ancient Times Until Today	Romania

Thursday, June 19, 2014 3:30 p.m. – 5:00 p.m. Poster Session 4

19	Pal Nikolli, Ferim Gashi	Situation in Albania Geographic Information	Albania / Kosovo
20	Harbil Arregui, Aitor Moreno, Oihana Otaegui	Bird migration Study Tool Based on Cartographic Data and GNSS Tracking Systems	Spain
21	Pavel Špulák	The Preparation of Emergency Management Related Spatial Data for Full Text Search	Czech Republic
22	Aritz Legarretaetxebarria, Kevin Alonso, Mikel Serrano, Naiara Agimako , Igor Olaizola	Web-Based Platform for Data Management, Analysis and Visualization of Weather and Environmental Monitoring Stations	Spain / Germany
23	Svemir Gorin, Ivan Radevski, Ivica Milevski, Blagoja Markoski and Olgica Dimitrovska	GIS Based Land Cover Changes in Skopje Region for the Period 2000-2012	FYRO Macedonia
24	Khalifah Insan Nur Rahmi, Isna Pujiastuti, Dheni Kusumarani	Inventory of Vegetation Type at Mount Merapi Zone based Remote Sensing Technology and Vegetation Index Transformation	Indonesia

Friday, June 20, 2014 3:30 p.m. – 5:00 p.m. Poster Session 5

25	Silvia Marinova	Proposal for a Map Symbol System for Early Warning and Disaster Management	Bulgaria
26	Tomas Janata	On Capabilities of Database Processing and Maintenance of Detailed Topographic Maps Using Attribute-Bound Symbology	Czech Republic
27	Stanislav Katsko, Irina Kokorina	Spatial Big Data for Emergency Management	Russia