

EUROPEAN SCGIS CONFERENCE WITH INTERNATIONAL PARTICIPATION
Best practices: Application of GIS technologies for conservation of natural and cultural heritage sites
May 21-23, 2012, Sofia, Bulgaria

CONFERENCE PROGRAM

INTRODUCTION

The European SCGIS Conference is the first event organized by the Bulgarian Society for Conservation GIS Chapter in our country. The conference will be at the same time a meeting of the SCGIS members in Bulgaria. The main idea of this event is to invite people from various scientific fields dealing with the conservation issues through GIS technologies and to popularize the international organization Society for Conservation GIS.

CONFERENCE TOPICS

- 1. GIS-based conservation of natural heritage sites and natural resources** – this topic includes application of GIS in various research fields related with conservation: Ecology and Conservation, GIS for protected areas, GIS in landscape studies and analysis, GIS for biodiversity, Marine Conservation and GIS, etc.
- 2. Conservation of cultural heritage sites using GIS** – this topic is focused on application of GIS for conservation of archaeological sites and historical places, part of the cultural heritage.

ORGANIZING COMMITTEE

Honorary Chairman: Alexander Yumakaev – ESRI Inc. & SCGIS

Chairmen:

Prof. Petar Getsov SRTI-BAS
Assoc. Prof. Dr. Ludmil Vagalinski NIAM-BAS

Vice-Chairmen:

Assist. Prof. Dr. Vanya Naydenova SCGIS Bulgaria & SRTI-BAS
Assistant Stefan Stamenov SCGIS Bulgaria & SRTI-BAS

Members:

Prof. Garo Mardirossian SRTI-BAS
Miglena Kuzmanova ESRI Bulgaria
Assist. Prof. Dr. Andrey Aladzhov NIAM-BAS
Assoc. Prof. Dr. Georgi Nekhrizov NIAM-BAN
Assist. Prof. Georgi Jeleu SRTI-BAS

KEYNOTE SPEAKER

Alexander Yumakaev – ESRI Inc. & member of SCGIS, USA. Mr. Alexander Yumakaev is Conservation Program Coordinator at ESRI Inc. as well as a longstanding member of the Society for Conservation GIS (SCGIS).

CONFERENCE VENUE

The European SCGIS Conference will be held at the Exhibition hall of the National Archaeological Museum in Sofia, Bulgaria. Location of the National Archaeological Museum: 2, Saborna St., Sofia, Bulgaria.

CONFERENCE ORGANISERS:

			
SCGIS Chapter Bulgaria	ESRI Bulgaria	Space Research and Technology Institute - BAS	National Institute of Archaeology with Museum -BAS
www.scgisbg.org	www.esribulgaria.com	www.space.bas.bg	www.naim.bg

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Monday, May 21, 2012	
13:00 to 14:00	Registration and Reception
14:00 to 16:30	Plenary Session Moderator: Vanya Naydenova Secretary: Stefan Stamenov
14:00 to 14:05	Welcome speech Assoc. Prof. Dr. Boni Petrunova – Deputy Director of the host organization NIAM –BAS
14:05 to 14:10	Welcome speech Vanya Naydenova – SRTI-BAS & SCGIS Chapter Bulgaria
14:10 to 14:40	Keynote speech Building a global conservation GIS community Alexander Yumakaev - ESRI Inc. & SCGIS
14:40 to 15:10	ESRI Bulgaria Miglena Kuzmanova – ESRI Bulgaria
15:10 to 15:30	Space Research and Technology Institute – BAS Prof. Petar Getsov – Director of SRTI-BAS
15:30 to 15:45	Coffee Break
15:45 to 16:05	National Institute of Archaeology with Museum – BAS Assoc. Prof. Dr. Ludmil Vagalinski – Director of NIAM-BAS
16:05 to 16:25	History of SCGIS Chapter Bulgaria – past, present and future activities Vanya Naydenova, Stefan Stamenov, Lubka Roumenina
16:25 to 16:45	Potential of SCGIS network for conservation of cultural heritage Stefan Stamenov – SRTI-BAS & SCGIS Chapter Bulgaria
GIS-based Conservation of Natural Heritage and Environmental Issues	
16:45 to 17:05	Application of GIS based tools for Landscape Ecology analyses in protection areas Stoyan Nedkov – NIGGG-BAN
17:05 to 17:15	Discussions
17:15 to 17:45	POSTER SESSION
GIS-based Conservation of Natural Heritage and Environmental Issues – POSTER SESSION	
GIS for spatial planning – Chemal district, Republic of Altai, Russia Irina Mikhailidi – Altai State Technical University & Altai 21-st Century Public Fund, Barnaul, Russia	
Sensitivity mapping along the Danube V. Ratarova, D. Kostovska, T. Lubenov – Bulgarian Society for the Protection of Birds/ BirdLife Bulgaria	
Mapping and analysis of flood-prone sand strip habitats at Panorama beach, Varna coastal area Iliyan Kotsev, Ekaterina Trifonova, Nikolay Valchev, Mariana Filipova, Stoyan Vergiev, Petya Eftimova, Nataliya Andreeva - Institute of Oceanology-BAS	
An Assessment of European Spruce Bark Beetle Infestation Using WorldView-2 Satellite Data Lachezar Filchev – SRTI-BAS	
Research and Conservation of Cultural Heritage Sites using GIS – POSTER SESSION	
Risk from Natural Hazards for the Archeological Sites along Bulgarian Danube Bank M. Nikolova, V. Nikolov and S. Nedkov – NIGGG-BAN	
The Use of Air-borne Platforms for Research of Archeological Artifacts D. Gotchev, L. Filipov, R. Nedkov, D. Boneva– SRTI-BAS	
Niculitel – The First Capital of Danubian Bulgaria Ivan Dimitrov, SRTI-BAS	

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Tuesday, May, 22, 2012	
10:00 to 12:00	GIS-based Conservation of Natural Heritage and Environmental Issues Moderator: Vanya Naydenova Secretary: Georgi Jelev
10:00 to 10:20	A GIS-based assessment of geodiversity in the Romanian protected areas. A preliminary approach Năstase Mihaela, Cuculici Roxana, Murătoareanu George, Grigorescu Ines, Dragotă Carmen, Valahia University of Târgoviște, Roumenia
10:20 to 10:40	GIS in Landscape Architecture Education in Bulgaria Emil Galev – University of Forestry, Sofia
10:40 to 11:00	Mapping of the sublittoral substrates as a basis for the identification of NATURA 2000 habitat types 1110 and 1170 in the Bulgarian Black Sea Iliyan Kotsev, Stoyan Keremedchiev, Ekaterina Trifonova, Valentina Todorova, Lyubomir Dimitrov, Nataliya Andreeva, Petya Eftimova – Institute of Oceanology-BAS
11:00 to 11:20	The Kutina Pyramids natural landmark – its degradation and disappearance Vanya Naydenova – SRTI-BAS
11:20 to 11:40	GIS-based modelling of eco-tourist routes in accordance with the protected areas in the Zemen gorge region Eugenia Luchkova – SRTI-BAS
11:40 to 12:10	Mapping of coniferous forests' structural attributes in Rila Mountain, Bulgaria by satellite data Petar Dimitrov – SRTI-BAS
12:10 to 12:20	Discussion
12:20 to 13:30	Lunch Break
13:30 to 16:00	Research and Conservation of Cultural Heritage Sites using GIS Moderator: Stefan Stamenov Secretary: Andrey Aladjov
13:30 to 13:50	Using GIS to assess Paleolithic in Intorsura Buzaului Depression, Romanian Carpathians Cosac Marian, Murătoareanu George, Radu Alexandru, Buzea Dan – Valahia University of Târgoviște, Roumenia
13:50 to 14:10	Archaeological GIS – Kazanlak Field Survey, 2009-2011 Georgi Nekhrizov – NIAM-BAS Julia Tzvetkova – Sofia University “St. Kliment Ohridski” Nadezhda Kecheva– NIAM-BAS
14:10 to 14:30	Conception for a Specialized GIS – Archaeological Map of Bulgaria Stelian Dimitrov, Alexander Kotsev – Sofia University “St. Kliment Ohridski” Georgi Nekhrizov, Tsoni Tsonev – NIAM-BAS
14:30 to 14:50	Archaeological Surface Surveys with Mobile GIS – The Nabucco Project Lyudmil Vagalinski, Georgi Nekhrizov, Georgi Ivanov, Andrey Aladzov, Ivo Cholakov, Petar Leshtakov, Krastyu Chukalev, Kamen Boyadzhiev – NIAM-BAS
14:50 to 15:10	Coffee Break
15:10 to 15:30	GIS-based concept for conservation of the archaeological site of Pliska Stefan Stamenov, Vanya Naydenova – SRTI-BAS Andrey Aladjov – NIAM-BAS
15:30 to 15:50	GIS of Old Sofia – urban development and its cultural heritage Vanya Naydenova, Stefan Stamenov – SRTI-BAS
15:50 to 16:10	Cognitive perspective on archaeological spatial data and GIS Tsoni Tsonev – NIAM-BAS
16:10 to 16:20	Discussion and Conference Closing
Wednesday, May 23, 2012	
	Tour around cultural sites in Sofia, Bulgaria