

Bulgarian Cartographic Association  
International Cartographic Association  
University of Architecture, Civil Engineering and Geodesy

co-organizers  
Military Geographic Service  
Bulgarian Red Cross

In cooperation with Sozopol Municipality

# 7<sup>th</sup> INTERNATIONAL CONFERENCE ON CARTOGRAPHY AND GIS

Organized under the patronage of the President of the National Assembly of Bulgaria  
Mrs. Tsveta Karayancheva  
During Bulgarian Presidency of the Council of the EU, 2018

June 18-23 2018  
Sozopol, Bulgaria

## FINAL PROGRAMME



**Editors:** Temenoujka Bandrova, Milan Konečný

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Rufino Pérez-Gómez, José Jesús Reyes Nunez, Pilar Sanchez-Ortiz,  
Necla Ulugtekin, Changlin Wang, László Zentai, Sisi Zlatanova

**Technical editor:** Stefan Bonchev

## SPONSORS

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The event is organized with the support of the Bulgarian Science Fund  
Събитието се организира със съдействието на Фонд "Научни изследвания",  
договор № ДПМНФ01/52, 20.12.2017

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BAS

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University of Architecture, Civil Engineering and Geodesy, Sofia

**Technical Secretary**

**SUNDAY, June 17, 2018**

**1:00 PM – 5:00 PM** Flagman Hotel  
**Registration**

**MONDAY, June 18, 2018**

**8:30 AM – 9:30 AM** Flagman Hotel  
**Registration**

**MONDAY, June 18, 2018 PLENARY SESSIONS - FLAGMAN HALL**

**June 18 9:30 AM – 11:20 AM**

<b>PLENARY SESSION F1</b>		
<b>GIS Technologies and Related Disciplines Part 1</b>		
<b>CHAIR</b>	<b>Michael Hodgson</b>	<b>USA</b>
<b>Dariusz Dukaczewski</b> and Elzbieta Bielecka	UTILITY OF OLD POLISH CITY MAPS AND OLD LAND USE MAPS FOR MULTITEMPORAL DETAILED LAND USE SURVEY	Poland
<b>Agen Qiu</b> , Fuhao Zhang, Jiping Liu, Shenghua Xu and Zhiran Zhang	APPROXIMATE SPATIAL QUERY AND UPDATING ON VERTEX HIERARCHICAL STRUCTURE FOR INTERACTIVE VISUALIZATION	China
<b>Burak Beyhan</b> and Mehtap Ergenoğlu	REVIVAL OF THE COLLECTIVE MEMORY WITH THE HELP OF CARTOGRAPHIC MATERIALS AND GIS	Turkey
<b>Fuhao Zhang</b> , Agen Qiu, Jiping Liu, Shenghua Xu and Zhiying Yu	RESEARCH ON THE INTEGRATION OF MULTI-SOURCE GOVERNMENT INFORMATION RESOURCES BASED ON SEMANTICS	China
<b>Miglena Kuzmanova</b>	ADVANCED IMAGE MANAGEMENT, GEODATA PROCESSING AND SPATIAL STATISTICS TOOLS AND TECHNIQUES IN ARCGIS	Bulgaria
<b>Yong Wang</b> , An Luo, Tengteng Cui, Xiuhong Zhang and Jiping Liu	DATA INTEGRATION TECHNOLOGY FOR MULTI-SOURCE GEO-SPATIAL INFORMATION FROM WEB FOR RAPID EMERGENCY RESPONSE	China



**LUNCH TIME 11:20 AM – 12:20 PM**

**SUNDAY, June 17, 2018**

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**MONDAY, June 18, 2018**

**8:30 AM – 9:30 AM** Flagman Hotel  
**Registration**

**MONDAY, June 18, 2018 PLENARY SESSIONS - TERRACE HALL**

**June 18 9:30 AM – 11:20 AM**

<b>PLENARY SESSION T1</b>		
<b>GIS for Geology, Natural Sciences and Ecosystems Part 1</b>		
<b>CHAIR</b>	<b>Lyubka Pashova</b>	<b>Bulgaria</b>
<b>Márton Pál</b> and Gáspár Albert	IDENTIFYING OUTCROPS FOR GEOLOGICAL HIKING MAPS	Hungary
<b>Yury Otmakhov</b> , Stanislav Arbuzov and Yury Otmakhov	IDENTIFICATION CRUCIAL COMPONENTS OF NATURAL ECOSYSTEMS	Russia
<b>Ruxandra Vintila</b>	CURRENT ACHIEVEMENTS IN ROMANIA FOR INTEGRATION OF SOIL DATA INTO THE INFRASTRUCTURE FOR SPATIAL INFORMATION OF THE EUROPEAN COMMUNITY	Romania
<b>Rositsa Yaneva</b> , Miglena Zhiyanski and Yonko Dodev	INTEGRATED APPROACH FOR MAPPING THE CAPACITY OF ECOSYSTEMS TO MEDIATE TOXIC ELEMENTS IN FORESTS	Bulgaria
<b>Nataliya Malysheva</b> , Tatiana Zolina and Boris Moiseev	GIS CONTRIBUTION TO AN OBJECTIVE ASSESSMENT OF CARBON SINK IN THE RUSSIAN FORESTS	Russia
Edon Maliqi and <b>Petar Penev</b>	USING OF DIGITAL ELEVATION MODEL IN THE GEOLOGICAL EXPLORATION IN KOSOVO	Kosovo, Bulgaria



**LUNCH TIME 11:20 AM – 12:20 PM**

[MONDAY, June 18 1:30 PM Cultural Center](#)

## OPENING CEREMONY

### 7<sup>th</sup> International Conference on Cartography and GIS

Cultural Center (Chitalishte "Otets Paisiy"), Sozopol Downtown  
Address: Sozopol, 1, Apoloniya Str.

#### Greetings

- **Mrs. Tsveta Karayancheva** - President of the National Assembly of Bulgaria
- **Mr. Valentin Yovev** - Vice Minister of Regional Development and Public Works
- **Mr. Panayot Reyzi** - Mayor of Sozopol Municipality
- **Col. Rumen Dimitrov** - Military Geographic Service, Ministry of Defence
- **Mr. Mihail Kirov** - Executive Director of Geodesy, Cartography and Cadastre Agency
- **Prof. Dr. Ivan Markov** - Rector of the University of Architecture, Civil Engineering and Geodesy, Sofia
- **Prof. Dr. Milan Konečný** - President of International Organizing Committee
- **His Excellency Mr. Dušan Štrauch** - Czech Ambassador to Bulgaria

*Greetings to all participants by Children folklore group*



#### Exhibitions

- National Barbara Petchenik Competitions
- Old Original Maps, presented by Diplomatic Institute, Ministry of Foreign Affairs

[June 18 7:00 PM Flagman Hotel](#)

## WELCOME RECEPTION

sponsored by ASSECO and ESRI



[June 18 2:30 PM – 3:30 PM Cultural Center](#)

### KEYNOTE SESSION 1

CHAIR	Milan Konečný	Czech Republic
Lynn Usery	CARTOGRAPHIC EVOLUTION: FROM HAND-DRAWN GRAPHICS TO UBIQUITOUS WEB CARTOGRAPHY AND MAPS AS KNOWLEDGEBASES	USA/ICA
Huadong Guo, Changlin Wang	DBAR: DIGITAL BELT AND ROAD SCIENCE PROGRAM FOR GLOBAL SUSTAINABLE DEVELOPMENT	China/ISDE

 **COFFEE BREAK 3:30 PM – 4:00 PM**

[June 18 4:00 PM – 5:45 PM Cultural Center](#)

### KEYNOTE SESSION 2

CHAIR	Temenujka Bandrova	Bulgaria
Wolfgang Kainz	CARTOGRAPHY AND THE OTHERS – ASPECTS OF A COMPLICATED RELATIONSHIP	Austria
Nick Land	THE SCIENCE OF WHERE	ESRI
Filip Kaderabek	CARTOGRAPHY 4.0: GEODATA AS A DIGITAL TWIN FOR INTELLIGENT INFRASTRUCTURE	ASSECO

[June 18 5:45 PM Cultural Center](#)

## Group Photo of all Participants

## TUESDAY, June 19, 2018 PLENARY SESSIONS - FLAGMAN HALL

June 19 8:30 AM – 10:00 AM

PLENARY SESSION F2		GIS Technologies and Related Disciplines Part 2	
CHAIR	Miljenko Lapaine		Croatia
Xu Weiwen	APPLICATION PRACTICE OF MULTI-SOURCE DATA INTEGRATION BASED ON UNIFIED URBAN GEOSPATIAL BENCHMARK SYSTEM IN SHENZHEN'S SMART CITY CONSTRUCTION		China
Burak Beyhan, Cüneyt Güler and Hidayet Tağa	A MAXIMUM INSCRIBED CIRCLE ALGORITHM BASED ON VORONOI DIAGRAMS AND GEOMETRY EQUATIONS		Turkey
Shenghua Xu, Jiping Liu, Fuhao Zhang, Agen Qiu and Mengmeng Liu	GOVERNMENT GEOSPATIAL BIG DATA SERVICES FOR COMPREHENSIVE DECISION		China
Ivica Milevski and Slavoljub Dragicevic	GIS-BASED LANDSLIDE SUSCEPTIBILITY MODELLING FOR THE TERRITORY OF THE REPUBLIC OF MACEDONIA		FYRo Macedonia
Hongyun Song, Jiangqi Zhang, Ming Li and Jia Li	THE ANALYSIS ABOUT SOLVING THE PROBLEMS OF THE DESIGNING AND COLLECTING THE METADATA OF THE HISTORIC MAP REFERENCE		China



COFFEE BREAK 10:00 AM – 10:30 AM

## TUESDAY, June 19, 2018 PLENARY SESSIONS - TERRACE HALL

June 19 8:30 AM – 10:00 AM

PLENARY SESSION T2		GIS for Geology, Natural Sciences and Ecosystems Part 2	
CHAIR	Necla Ulugtekin		Turkey
Serkan Kemeç	THE EVALUATION OF THE IMPACTS OF THE CLIMATE CHANGE ON DATÇA-BOZURUN SPA WITH GEOSPATIAL DATA AND TECHNIQUES		Turkey
Silvia Piovan and Michael Hodgson	MODELING POPULATION DISPLACEMENT FROM A WWI MILITARY-ENGINEERED FLOOD USING HISTORICAL MAPS AND GIS		Italy, USA
Anastasia Abramova, Yulia Zarayskaya, Elizaveta Kiseleva, Stepan Vodopyanov, Anna Makushkina and Sergey Sokolov	MARINE SEABED LANDSCAPE ANALYSES BASED ON HYDROACOUSTIC DATA, UNDERWATER VIDEO RECORDINGS AND BOTTOM SAMPLING IN THE SOUTHERN PART OF THE BARENTS SEA USING GIS DATABASE		Russia
Vahagn Muradyan, Garegin Tepanosyan, Shushanik Asmaryan, Nairuhi Maghakyan and Armen Saghatelyan	ASSESSING THE STRESS OF AGRICULTURAL CROPS ASSOCIATED WITH HEAVY METAL POLLUTION IN MINING AREA		Armenia
Igor Florinsky, Sergei Filippov, Anastasia Abramova, Yulia Zarayskaya and Evgeniya Selezneva	TOWARDS GEOMORPHOMETRIC MODELLING OF THE TOPOGRAPHY OF THE ARCTIC OCEAN FLOOR		Russia



COFFEE BREAK 10:00 AM – 10:30 AM

June 19 10:30 AM – 11:45 AM

PLENARY SESSION F3		Web Cartography and Digital Atlases	
CHAIR	Jie Shen		China
Andreea Sufaru, Lucian Zavate, <b>Andreea Calugaru</b> , Mihai Doru and Andreea Anghel	WEB PORTAL OF MAPS AND APPLICATIONS OF THE ARCHDIOCESE OF BUCHAREST		Romania
Tamara Vereshchaka and <b>Anastasia Gorevalova</b>	CARTOGRAPHIC REPRESENTATION OF RESEARCH ACTIVITIES IN THE RUSSIAN ARCTIC IN THE PERIOD FROM 1950 UP TO THE PRESENT DAY		Russia
<b>Milaim Sylka</b> , Temenoujka Bandrova, Ymer Kuka and Besim Ajvazi	USE OF THE WEB GIS FOR THE POST-DISASTER MANAGEMENT: A CASE OF MAPPING THE DAMAGED VINEYARDS AREAS CAUSED BY HAILSTORM		Kosovo, Bulgaria
Sergei Krylov, Gleb Zagrebin and <b>Dmitriy Loginov</b>	ATLAS MAPPING: THE AUTOMATED DEFINITION OF ATLASES STRUCTURE		Russia



LUNCH TIME 11:45 AM – 2:30 PM

June 19 10:30 AM – 12:00 PM

PLENARY SESSION T3		Cartography and GIS in Education Part 1	
CHAIR	Dariusz Dukaczewski		Poland
<b>Georg Gartner</b>	CONTEMPORARY INTERNATIONAL CARTOGRAPHIC EDUCATION: THE INTERNATIONAL MASTER PROGRAMME ON CARTOGRAPHY		Austria
Judit Kiss and <b>José Jesús Reyes Nunez</b>	TESTING THE USE OF GOOGLE MY MAPS IN A HUNGARIAN SECONDARY SCHOOL		Hungary
<b>Eva Dodsworth</b>	THE TRANSFORMATION OF LIBRARY CARTOGRAPHIC COLLECTIONS TO GIS CENTERS AND ONLINE DATA REPOSITORIES		Canada
<b>Vladimir Zablotkiy</b>	C++ PROGRAMMING FOR CARTOGRAPHERS AND GEODESIST: TEACHING THE PROGRAMMING LANGUAGE BY GEODESIC EXERCISES AND TOPOGRAPHIC TASKS		Russia
<b>Galin Milchev</b> and Radoslav Milchev	EXPLORING THE POSSIBILITIES FOR THE APPLICATION OF AUGMENTED REALITY IN THE GIS TEACHING PROCESS AT THE UNIVERSITY OF FORESTRY		Bulgaria



LUNCH TIME 12:00 PM – 2:30 PM

## SEMINAR WITH EU COOPERATION ON EARLY WARNING AND DISASTER / CRISIS MANAGEMENT

UNDER THE AUSPICES OF THE AMBASSADOR OF THE CZECH REPUBLIC MR. DUŠAN ŠTRAUCH  
IN COOPERATION WITH MASARYK UNIVERSITY, BRNO, CZECH REPUBLIC

June 19 2:30 PM – 4:00 PM

SEMINAR PART 1		SEMINAR ON EARLY WARNING AND DISASTER MANAGEMENT
CHAIR	Milan Konečný	Czech Republic
Milan Konečný, Temenoujka Bandrova and Jiping Liu	CARTOGRAPHY FOR DISASTER RISK REDUCTION: RESEARCH AGENDA IN THE DAWN OF BIG DATA ERA	Czech Republic, Bulgaria, China
Lyubka Pashova, Temenoujka Bandrova and Mihaela Kouteva	USAGE OF GEODATA FOR EDUCATIONAL PURPOSES TO IMPROVE DISASTER PREPAREDNESS	Bulgaria
Pavel Špulák and Jan Brothánek	GENERATION OF STRATEGIC REPORT BASED ON SPATIAL ANALYSIS	Czech Republic
Zdeněk Stachoň, Petr Kubiček, Filip Málek, Martin Krejčí and Lukáš Herman	THE ROLE OF HUE AND REALISM IN VIRTUAL REALITY	Czech Republic
Deyan Partinov	EARLY WARNING TELEMETRY SOLUTIONS	Bulgaria



COFFEE BREAK 4:00 PM – 4:30 PM

June 19 2:30 PM – 4:00 PM

PLENARY SESSION T4		Cartography and GIS in Education Part 2 & Geodetic Coordinate Systems and Map Projections
CHAIR	Lynn Usery	USA
Halil İbrahim Şenol and Turkey Gökğöz	A CASE STUDY ON MAP ACTIVITIES WITH CHILDREN OF KINDERGARTEN AGE	Turkey
Jasmine Desclaux-Salachas	FROM INSTITUTIONAL CARTOGRAPHY TO SENSITIVE CARTOGRAPHIES, BATTIR AS A MEETING POINT: AN EXPERIENCE OF PARTICIPATIVE DEMOCRACY	France
Javier Osorno and Stephane Couturier	DO WE NEED A NEW TYPE OF JOURNAL OF MAPS MORE SUITED FOR THE BIGDATA GEOSPATIAL ERA? THE JOURNAL "TERRA DIGITALIS": A CASE IN POINT	Mexico
Miljenko Lapaine	BEHRMANN PROJECTION	Croatia
Krisztián Kerkovits and Csaba Szigeti	RELATIONSHIPS BETWEEN THE DISTORTIONS IN MAP PROJECTIONS AND THE USABILITY OF SMALL-SCALE MAPS	Hungary



COFFEE BREAK 4:00 PM – 4:30 PM



June 19 4:30 PM – 6:00 PM

SEMINAR PART 2

SEMINAR ON EARLY WARNING AND DISASTER MANAGEMENT

CHAIR Pavel Špulák Czech Republic

Jasen Slivensky BULGARIAN RED CROSS (BRC) - ACTIVITIES IN DISASTER AND CRISIS SITUATIONS AND COOPERATION WITH PARTNERS Bulgaria

Matjaž Štanfel and Dražen Tutić MODELING OF RISK ASSESSMENT SUPPORT SYSTEM FOR OUTDOOR RECREATION IN CROATIA Croatia

Jiping Liu, Shenghua Xu, Fuhao Zhang, Agen Qiu and Mengmeng Liu THE TOP-LEVEL DESIGN STUDY FOR THE INTEGRATED DISASTER REDUCTION INTELLIGENT SERVICE China

Silvia Marinova, Dobrin Petkov and Temenoujka Bandrova CARTOGRAPHIC MODELING AND VISUALIZATION OF SNOW AVALANCHE AREAS Bulgaria

Stephan Angsüsser SELECTED CULTURAL DIFFERENCES AND THEIR POTENTIAL INFLUENCE ON MAP-BASED COMMUNICATION IN EARLY WARNING AND CRISIS MANAGEMENT China

June 19 6:00 PM – 7:00 PM

COMMISSION MEETING

Commission on Cartography on Early Warning and Crisis Management

CHAIR Milan Konečný Czech Republic

June 19 4:30 PM – 6:00 PM

PLENARY SESSION T5

Geoinformation for Smart Cities

CHAIR José Jesús Reyes Nunez Hungary

Dorus Kruse 7 BILLION HITS IN 2017 ON THE DUTCH NSDI CALLED PDOK Netherlands

Dogus Guler and Tahsin Yomralioglu OPTIMAL LOCATION SELECTION FOR ELECTRIC VEHICLE CHARGING STATIONS USING GIS Turkey

Xue-Min Lu and Sendo Wang AN IMPROVED TAIPEI BUS ESTIMATION-TIME-OF-ARRIVAL (ETA) MODEL BASED ON INTEGRATED ANALYSIS ON HISTORICAL AND REAL-TIME BUS POSITION Taiwan - China

Özge Öztürk, Fatih Gulgen, Serdar Bilgi and Batuhan Kılıç ACCESSIBILITY ANALYSIS OF STREET NETWORKS USING SPACE SYNTAX Turkey

Otakar Čerba LINKED GEO-DATA RESOURCES Czech Republic

## WEDNESDAY, June 20, 2018 PLENARY SESSIONS - FLAGMAN HALL

June 20 8:30 AM – 10:00 AM

<b>SEMINAR PART 3</b>	<b>SEMINAR ON EARLY WARNING AND DISASTER MANAGEMEN</b>	
<b>CHAIR</b>	<b>Stephan Angsüsser</b>	<b>China</b>

**Jizhe Xia**, Yang Yue, Jincheng Jiang and Qingquan Li  
 UTILIZING A SPATIOTEMPORAL INDEX TO ACCELERATE CRISIS MAPPING – A CASE STUDY OF SHENZHEN CITY, CHINA  
 China

**Michael Hodgson**, Silvia Piovani, Paolo Mozzi, Duane Porter and Bryan Hall  
 LIDAR, HISTORIC MAPS AND AERIAL PHOTOS IN THE ANALYSIS OF LANDSCAPE CHANGE FROM AN EXTREME HAZARDOUS RAINFALL EVENT  
 USA, Italy

**Maria Asenova**  
 ASSESSMENT AND MAPPING OF FOREST FIRE RISK USING GIS: A CASE STUDY OF BULGARIA  
 Bulgaria

**Tomas Orlik**  
 SKYLINE: THE CLASSIC, BUT INNOVATIVE 3D GIS  
 Czech Republic/  
 Germany

**Milan Konečný**  
 CLOSING THE SEMINAR  
 Czech Republic



**COFFEE BREAK 10:00 AM – 10:30 AM**

## WEDNESDAY, June 20, 2018 PLENARY SESSIONS - TERRACE HALL

June 20 8:30 AM – 10:00 AM

<b>PLENARY SESSION T6</b>	<b>Geo-Spatial Analysis and Data Mining Part 1</b>	
<b>CHAIR</b>	<b>David Wortley</b>	<b>United Kingdom</b>

**Radim Tolasz**  
 ON-LINE QC AND SPATIAL ANALYSIS OF METEOROLOGICAL DATA  
 Czech Republic

**Gergana Antova**  
 POINT CLOUD COMPARISON- CHALLENGES AND PRESENT FIELD OF ACTION  
 Bulgaria

**Fatih Gulgen**, Batuhan Kilic and Ozge Ozturk  
 AN ALGORITHM DETERMINING THE FRONT EDGE OF BUILDINGS TO PLACE POIS AT THE BEST LOCATION  
 Turkey

Maya Ilieva, Lachezar Filchev and **Lyubka Pashova**  
 PRELIMINARY ANALYSIS OF COPERNICUS DATA FOR NATURAL HAZARDS MONITORING OF THE BULGARIAN BLACK SEA COASTAL ZONE  
 Poland, Bulgaria

Xiao Li, **Jie Shen**, Jiafeng Shi and Zdeněk Stachoň  
 AN INSTANCE-BASED SCORING SYSTEM FOR INDOOR LANDMARK SALIENCE EVALUATION  
 China, Czech Republic



**COFFEE BREAK 10:00 AM – 10:30 AM**

June 20 10:30 AM – 12:30 PM

ISDE SPECIAL SESSION		Digital Earth for Smart Solutions	
CHAIR	Changlin Wang		China
Changlin Wang	ISDE: PROMOTING THE DEVELOPMENT OF DIGITAL EARTH FOR SMART SOLUTIONS		China
Shuai Yang, Jie Shen, Milan Konečný, Yong Wang and Radim Štampach	STUDY ON THE SPATIAL HETEROGENEITY OF THE POI QUALITY IN OPENSTREETMAP		China, Czech Republic
Alexey Noskov	COMPUTER VISION APPROACHES FOR BIG GEO-SPATIAL DATA: QUALITY ASSESSMENT OF RASTER TILED WEB MAPS FOR SMART CITY SOLUTIONS		Germany
Alexander Zipf, Alexey Noskov and Adam Rousell	DATA QUALITY CONCEPT FOR E-GOVERNMENT WEB-MAP BASED SERVICES		Germany
László Zentai, Szabolcs Mihály, Gábor Remetey-Fülöpp and Tamás Palya	GEOSPATIAL DATA AND SERVICES TO SUPPORT THE UN AGENDA 2030 IMPLEMENTATION: HUNGARIAN ACTIVITIES		Hungary
David Wortley	IMMERSIVE TECHNOLOGIES FOR LOCATION-BASED SOCIAL AND ECONOMIC DEVELOPMENT		United Kingdom
David Wortley	360 DEGREE CAMERA DEMONSTRATION		United Kingdom



LUNCH TIME 12:30 PM – 2:00 PM

June 20 10:30 AM – 12:30 PM

PLENARY SESSION T7		Geo-Spatial Analysis and Data Mining Part 2	
CHAIR	Maria Asenova		Bulgaria
Batuhan Kilic, Fatih Gulgen and Ozge Ozturk	EXAMINING THE SIMILARITY OF POSTAL ADDRESS COMPONENTS IN TURKEY		Turkey
Elzbieta Bielecka, Beata Calka and Agnieszka Bitner-Fialkowska	SPATIAL DISTRIBUTION OF URBAN GREENERY IN WARSAW, A QUANTITATIVE APPROACH		Poland
Artak Piloyan and Aram Gevorgyan	MEASURING RURAL ACCESSIBILITY IN A GEOSPATIAL ENVIRONMENT: CASE STUDY OF ARMENIA		Armenia
Melih Basaraner and Sinan Cetinkaya	SHAPE ANALYSIS OF MULTI-SCALE BUILDING FEATURES		Turkey
Seong Ah Cho	A MULTI-OBJECTIVE OPTIMIZATION MODEL FOR FOOD TRUCKS: USING GREEDY ADDING ALGORITHM IN SEOUL		Republic of Korea
David Wortley	360 DEGREE CAMERA DEMONSTRATION		United Kingdom



LUNCH TIME 12:30 PM – 2:00 PM

June 20 2:00 PM – 3:30 PM

PLENARY SESSION F4		3D Cartographic Modelling
CHAIR	Georg Gartner Austria	
Nikola Yonov and Temenoujka Bandrova	3D MAPS – CARTOGRAPHICAL ASPECTS	Bulgaria
Karel Jedlička	A COMPREHENSIVE OVERVIEW OF A CORE OF 3D GIS	Czech Republic
Lukáš Herman and Zdeněk Stachoň	CONTROLLING 3D GEOVISUALIZATIONS THROUGH TOUCH SCREEN – THE ROLE OF USERS AGE AND GESTURE INTUITIVENESS	Czech Republic
Pavel Hájek, Karel Jedlička and Václav Čada	PROPOSAL OF EXPERIMENTS FOR EVALUATION OF CARTOGRAPHIC PRINCIPLES ON VIRTUAL 3D MAPS OF URBAN AREAS	Czech Republic
Martina Kepka Vichrová, Pavel Hájek, Radek Fiala, Michal Kepka, Ondřej Dudáček and Václav Čada	CARTOGRAPHIC REPRESENTATIONS OF HISTORICAL MONUMENTS USED IN DIGITAL TOURIST GUIDE	Czech Republic



COFFEE BREAK 3:30 PM – 4:00 PM

June 20 2:00 PM – 3:30 PM

PLENARY SESSION T8		Cartographic Visualization Part 1
CHAIR	Petr Kubíček Czech Republic	
Csaba Szigeti, Dávid Kis and Gáspár Albert	MEASURING THE MAP READERS' INTERPRETATION OF HYPSOGRAPHY	Hungary
Michael Heimer and Mariana Fernandes	THE USE OF CARTOGRAPHIC TOOLS TO DEMONSTRATE THE USES AND MEANINGS OF CAJAÍBA ISLAND, BRAZIL BY QUILOMBO COMMUNITIES AS AN AID FOR THEIR LAND REGULARIZATION	Brazil
Gábor Nyőgéri and László Zentai	A HUNGARIAN ON-LINE MAP SERVICE BASED ON GIS DATA AND VISUALISED BY CARTOGRAPHIC APPROACH	Hungary
Christos Kastrisios and Brian Calder	ALGORITHMIC IMPLEMENTATION OF THE TRIANGLE TEST FOR THE VALIDATION OF CHARTED SOUNDINGS	USA
Bashkim Idrizi, Valbone Sulejmani and Zija Zimeri	MULTISCALE MAP FOR THREE LEVELS OF SPATIAL PLANNING DATABASES FOR THE MUNICIPALITY OF VITI IN KOSOVA	FYRo Macedonia, Kosovo



COFFEE BREAK 3:30 PM – 4:00 PM

June 20 4:00 PM – 5:00 PM

<b>COMMISSION MEETING</b>	<b>Commission on Map Projections</b>	
<b>CHAIR</b>	<b>Miljenko Lapaine</b>	<b>Croatia</b>

June 20 5:00 PM – 6:00 PM

<b>COMMISSION MEETING</b>	<b>Commission on Cartography and Children</b>	
<b>CHAIR</b>	<b>José Jesús Reyes Nunez</b>	<b>Hungary</b>

June 20 4:00 PM – 5:30 PM

<b>PLENARY SESSION T9</b>	<b>Cartographic Visualization Part 2</b>	
<b>CHAIR</b>	<b>Karel Jedlička</b>	<b>Czech Republic</b>

**László Zentai** ISOM2017: THE NEW SPECIFICATION OF ORIENTEERING MAPS (AN INSIGHT) Hungary

**Georgi Zhelezov and Aleksandar Todorov** SPATIAL MODELING AND RECONSTRUCTIONS OF DOLNOTSIBURSKA WETLAND SYSTEM Bulgaria

**Bashkim Idrizi** GEOPORTALS OF AGENCY FOR REAL ESTATE CADASTRE OF MACEDONIA AND GEOVISUALISATION STANDARDS FYRo Macedonia

**Fanni Vörös, Benjamin Van Wyk de Vries and Balázs Székely** GEOMORPHOMETRIC DESCRIPTIVE PARAMETERS OF SCORIA CONES FROM DIFFERENT DTMS: A RESOLUTION INVARIANCE STUDY Hungary, France

**Géssica Araújo, Laercio Santos, Lucas Carvalho, Pablo Cruz, Julio Pedrassoli and Michael Heimer** THE USE OF GEOTECHNOLOGIES FOR VISUALIZATION OF IRREGULAR OCCUPATIONS IN THE PITUAÇU METROPOLITAN PARK, SALVADOR, BRAZIL Brazil

## TRURSDAY, June 21, 2018 PLENARY SESSIONS - FLAGMAN HALL

June 21 8:30 AM – 9:45 AM

PLENARY SESSION F5		Virtual Geographic Environment
CHAIR	Bashkim Idrizi	
		FYRo Macedonia
Pavel Ugwitz and Zdeněk Stachoň	VISUAL ELEMENTS IN VIRTUAL ENVIRONMENTS: FINDING PARALLELS BETWEEN CGI VISUALIZATIONS AND HUMAN PERCEPTION	Czech Republic
Tao Hou, Min Chen, Yuchen Lu, Fengyuan Zhang and Songshan Yue	STUDY ON SHARING MODEL AND DATA RESOURCE ON OPENGMS PLATFORM	China
Karolina Grodzka and Albina Mościcka	GEOVISUALIZATION OF A NON-EXISTENT BUILDING	Poland
Vojtěch Juřík, Čeněk Šašínska, Lukáš Herman, Zdeněk Stachoň, Jiří Chmelík, Petr Kubiček and Alžběta Štrnadová	BEHAVIOR ANALYSIS IN VIRTUAL GEOVISUALIZATIONS: TOWARDS ECOLOGICAL VALIDITY	Czech Republic



COFFEE BREAK 9:45 AM – 10:15 AM

## TRURSDAY, June 21, 2018 PLENARY SESSIONS - TERRACE HALL

June 21 8:30 AM – 9:45 AM

PLENARY SESSION T10		Geospatial Data Acquisition by Remote Sensing Technologies for Cartographic Purposes Part 1
CHAIR	Georgi Zhelezov	
		Bulgaria
Tereza Smejkalova, Francesco Palazzo, Beatrice Bonneval, Barbara Scarda, Miguel Castro-Gomez, Chloe Gilles, Sylvie Remondiere, Eric Guzzonato and Brice Mora	THE RUS SERVICE: SUPPORTING SENTINEL USERS WITH FREE RESOURCES	Italy, France
Jitka Komárková, Pavel Sedlák, Ivana Čermáková and Radek Pešek	SMALL WATER BODIES IDENTIFICATION BY MEANS OF REMOTE SENSING	Czech Republic
Magdaléna Kalinová, Pavel Sedlák, Jitka Komárková and Ivana Čermáková	USAGE OF SPECTRAL INDICES IN MONITORING OF VEGETATION IN THE SELECTED PARTS OF THE PARDUBICE REGION (THE CZECH REPUBLIC)	Czech Republic
Huagui He, Pengcheng Zhang, Liang Guo, Yaofeng Hu, Weijun Yang, Shanshan Zhang and Zhitong Su	A FAST-CONSTRUCTION-METHOD FOR DIGITAL BUILDING MODEL BASED ON GAOFEN HIGH-RESOLUTION SATELLITE PHOTOGRAMMETRY	China



COFFEE BREAK 9:45 AM – 10:15 AM

June 21 10:15 AM – 11:45 AM

<b>PLENARY SESSION F6</b>		<b>Map Design and Production</b>
<b>CHAIR</b>	<b>Silvia Marinova</b>	<b>Bulgaria</b>
<b>Joanna Bac-Bronowicz</b> , Adam Górecki, Elzbieta Bielecka, Ewa Krzywicka-Blum and Halina Klimczak	CARTOGRAPHIC METHODS APPLIED IN SOCIO-DEMOGRAPHIC MAPS WITH THE USE OF GIS MAPPING	Poland
<b>Zhao Li</b>	THE DESIGN OF CARTOGRAPHIC SYMBOL SYSTEM WITHOUT DEPENDENCY ON GIS PLATFORM	China
<b>Naeema Alhosani</b>	STAGES OF CARTOGRAPHY DEVELOPMENT IN ARABIC-ISLAMIC HERITAGE	United Arab Emirates
<b>Mark Wigley</b> and Dominik Käuferle	THE NEW 1:50:000 SWISS NATIONAL MAPS	Switzerland
<b>Maria Savova</b> and Viktor Todorov	INTERACTIVE MAP OF SOFIA LANDSCAPE ARCHITECTURE PART OF NATIONAL CULTURAL HERITAGE OF BULGARIA	Bulgaria



**LUNCH TIME 11:45 AM – 1:00 PM**

June 21 1:00 PM – 5:30 PM

<b>TRAINING COURSE</b>	<b>RUS: Exploiting Copernicus satellite data within a cloud computing environment for GIS and cartographic applications</b>
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Organized by Serco Italia S.p.A.

Only for Pre-registered participants!



**COFFEE BREAK 3:00 PM – 3:30 PM**

June 21 10:15 AM – 11:45 AM

<b>PLENARY SESSION T11</b>		<b>Geospatial Data Acquisition by Remote Sensing Technologies for Cartographic Purposes Part 2</b>
<b>CHAIR</b>	<b>Benjamin Burkhard</b>	<b>Germany</b>
<b>Polina Mikhaylyukova</b> , Maria Kireeva, Vlad Ilich and Alexey Sazonov	MAPPING OF SURFACE CATCHMENT TYPES DYNAMICS IN THE DON RIVER BASIN (DURING 1985-2014) BASED ON SATELLITE IMAGERY DATA	Russia
<b>Hakan Çelik</b> , H.Gonca Coşkun, Nuray Baş and Oyku Alkan	EXAMINING THE ADVANTAGES OF AIRBORNE LIDAR AND INTEGRATED WITH GIS IN HYDROLOGIC MODELLING	Turkey
Géssica Araújo, Julio Pedrassoli, <b>Michael Heimer</b> , Laercio Santos and Lucas Carvalho	MULTITEMPORAL ANALYSIS OF THE SOCIOENVIRONMENTAL CONFLICT IN THE LIMITS OF THE METROPOLITAN PARK OF PITUAÇU, SALVADOR DE BAHIA, USING SEQUENCE OF SCENES LANDSAT - VISUALIZATIONS OF A CONFLICTIVE URBAN SYSTEM	Brazil
<b>Kremena Burkhard</b> , Anna Schlattmann, Felix Neuendorf, Christina von Haaren and Wolfram Mauser	APPLICATION OF REMOTE SENSING AND BIG DATA FOR GLOBAL WATER USE SUSTAINABILITY ASSESSMENT AND MONITORING	Germany
<b>Polina Mikhaylyukova</b> , Olga Tutubalina, Alexander Zakharov and Ludmila Zakharova	MAPPING OF VOLCANIC TOPOGRAPHY DYNAMICS ON THE BASIS OF INSAR (TOLBACHINSKY DOL, KAMCHATKA, RUSSIA)	Russia



**LUNCH TIME 11:45 AM – 1:00 PM**

June 21 7:00 PM GALA DINNER

**Dress code:** Smart casual

**Location:** Vyatarna Melnitsa (Windmill) Restaurant  
Ticket is required!



## FRIDAY, June 22, 2018 PLENARY SESSIONS - FLAGMAN HALL

June 22 8:30 AM – 10:00 AM

PLENARY SESSION F7		Cartographic Visualization Part 3	
CHAIR	Zdeněk Stachoň		Czech Republic
<b>Krzysztof Pokonieczny</b>	METHODOLOGY OF CARTOGRAPHIC VISUALISATION OF MILITARY MAPS OF PASSABILITY		Poland
<b>Lucas Carvalho, Michael Heimer</b>	ANALYSIS OF OCCUPATION OF THE RIGOROUS PROTECTION AREA OF APA JOANES/IPITANGA IN THE METROPOLITAN AREA OF SALVADOR, BAHIA, BRAZIL		Brazil
<b>Milena Moteva, Nikolay Naydenov and Peter Penev</b>	AGRICULTURAL TERRITORY SPATIAL PLANNING CONCEPT AND ITS CARTOGRAPHIC VISUALIZATION		Bulgaria
<b>Géssica Araújo, Laércio Santos, Julio Pedrassoli and Michael Heimer</b>	THE USE OF CARTOGRAPHY FOR THE ANALYSIS OF THE HISTORICAL LIMIT CONFLICT BETWEEN THE MUNICIPALITIES OF CATU AND POJUCA, BRAZIL		Brazil
<b>Niendyawati Supardan, Mulyanto Darmawan and Randhi Atiqi</b>	INDONESIAN TACTILE ATLAS FOR SUPPORTING SUSTAINABLE DEVELOPMENT GOALS		Indonesia

 COFFEE BREAK 10:00 AM – 10:30 AM

## FRIDAY, June 22, 2018 PLENARY SESSIONS - TERRACE HALL

June 22 8:30 AM – 10:00 AM

PLENARY SESSION T12		Geospatial Data Acquisition by Remote Sensing Technologies for Cartographic Purposes Part 3	
CHAIR	Alexey Noskov		Germany
<b>Nuray Baş, Hakan Çelik and H.Gonca Coşkun</b>	OUTLIER DETECTION ANALYSIS FROM LIDAR DATA FOR MAPPING		Turkey
<b>Daniel Szatmári, Monika Kopecká, Ján Feranec and Tomáš Goga</b>	ABANDONED AGRICULTURAL LAND MAPPING USING SENTINEL-2A DATA		Slovakia
<b>Muhammed Enes Atik, Şaziye Özge Dönmez, Zaide Duran, Cengizhan İpbüker and Ali Tuğcan Ünlüer</b>	ESTIMATION OF POTENTIAL STREAM BEDS USING DEM: CASE STUDY KAHRAMANMARAS CITY		Turkey
<b>Konstantin Verichev, Polina Mikhaylyukova, Cristian Salazar, Alisa Salimova and Manuel Carpio</b>	MAPPING OF BUILT-UP AREA DYNAMICS OVER THE PAST 30 YEARS IN THE PRINCIPAL CITIES OF SOUTHERN CHILE BASED ON LANDSAT IMAGERY		Chile, Russia
<b>Ghabi Mohamed, Djerriri Khelifa and Benmansour Nadir</b>	EXPLORING RELATIONSHIPS BETWEEN PRECIPITATION (TRMM) AND VEGETATION DYNAMICS (CASE STUDY OF SIDI BEL ABBES)		Algeria

 COFFEE BREAK 10:00 AM – 10:30 AM



[June 22 10:30 AM – 11:45 AM](#)

PLENARY SESSION F8		
Cartographic Visualization Part 4		
CHAIR	Joanna Bac-Bronowicz	Poland
Subija Izeiroski, <b>Bashkim Idrizi</b> , Monika Lutovska and Ismail Kabashi	GIS-BASED MULTI CRITERIA ANALYSIS OF SITE SUITABILITY FOR EXPLOATATION OF RENEWABLE ENERGY RESOURCES	FYRo Macedonia, Kosovo
<b>Boyko Kolev</b> and Hrisula Gatselaki	MODELLING OF THE POTENTIAL PRODUCTION OF AGRICULTURAL CROPS	Bulgaria, Greece
<b>Polina Mikhaylyukova</b> , Ruslan Goncharov, Denis Ilyushin, Milana Glebova, Marina Semenova, Artem Isachenko and Dilyara Zagretdinova	RUSSIAN ARCTIC SEA ATLASES: PRINCIPLES AND STRUCTURE	Russia
<b>Ferim Gashi</b> , Pal Nikolli, Roland Merxha, Ibrahim Ramadani	APPLICATION OF THE GEOGRAPHICAL INFORMATION SYSTEM IN THE HYDRODRIN WATER COMPANIES - PEJA REGION (KOSOVA)	Kosovo, Albania

[June 22 12:00 PM](#) Flagman Hall

**CLOSING CEREMONY**

[SATURDAY, June 23, 2018](#)

**Excursions**

[June 22 10:30 AM – 11:45 AM](#)

PLENARY SESSION T13		
UAV Applications and New Trends		
CHAIR	Artak Piloyan	Armenia
<b>Adam Michalski</b> , Andrew Riche, Malcolm Hawkesford, March Castle, Fenner Holman and Martin Wooster	UAS IN 3D CROP MODELLING FOR AGRICULTURE RESEARCH	Poland, United Kingdom
<b>Nikolina Mileva</b> and Raul Zurita-Milla	MEASURING GREEN VEGETATION COVER OVER AGRICULTURAL FIELDS: A MULTI-SCALE STUDY USING SMARTPHONES AND UAV	Italy, Netherlands
<b>Paulina Raeva</b> , Jaroslav Šedina and Adam Dlesk	UAV PHOTOGRAMMETRY TECHNIQUES FOR PRECISION AGRICULTURE	Czech Republic
<b>Muhammed Enes Atik</b> , Şaziye Özge Dönmez, Zaide Duran and Cengizhan İpbüker	COMPARISON OF AUTOMATIC FEATURE EXTRACTION METHODS FOR BUILDING ROOF PLANES BY USING AIRBORNE LIDAR DATA AND HIGH RESOLUTION SATELLITE IMAGE	Turkey

[June 22 12:00 PM](#) Flagman Hall

**CLOSING CEREMONY**

[SATURDAY, June 23, 2018](#)

**Excursions**

## POSTER SESSIONS

### TUESDAY, June 19 8:30 AM – 12:30 PM

<b>Dalibor Bartoněk</b> , Jiří Ježek, <b>Jiří Bureš</b> , Eva Vacková	METHODOLOGY OF PRIVATE CARTOGRAPHIC SYMBOLS CREATION FOR THEMATIC MAPS	Czech Republic
<b>Jiří Bureš</b> , <b>Dalibor Bartoněk</b> , Marek Kalina and Otakar Švábenský	SECURITY GEODETIC MONITORING OF STRUCTURES	Czech Republic

### TUESDAY, June 19 2:30 PM – 6:30 PM

Atanas Kitev and <b>Rumiana Vatsveva</b>	FRAGMENTATION OF LANDSCAPES WITH CONSERVATION VALUE IN SOUTH PIRIN AND SLAVYANKA MOUNTAIN (SOUTH-WESTERN BULGARIA)	Bulgaria
<b>Ivica Milevski</b> and Monika Andreeska	AVERAGE HEIGHT AND SLOPES OF EUROPEAN COUNTRIES DERIVED FROM ASTER, MERIT AND SRTM DEM	FYRo Macedonia

### WEDNESDAY, June 20 8:30 AM – 12:30 PM

<b>Rumiana Vatsveva</b> , <b>Davis Dinkov</b> , Kristina Gartsyanova, Atanas Kitev, Stefan Genchev and Yoana Sandinska	MAPPING GREEN SPACES IN URBAN ENVIRONMENT USING REMOTE SENSING	Bulgaria
<b>Jiří Bureš</b> , <b>Dalibor Bartoněk</b> , Ladislav Bárta and Otakar Švábenský	AUTOMATICIZED UPDATING OF SELECTED TECHNICAL AND CATASTRAL MAP COMPONENTS	Czech Republic

### WEDNESDAY, June 20 2:00 PM – 6:00 PM

Sabin Ivanov, Krasimir Videv and <b>Penka Kastreva</b>	TECHNOLOGY FOR DOCUMENTING AND PRESERVING CULTURAL AND HISTORICAL SITES IN THE SHUMEN REGION	Bulgaria
<b>Stefan Georgiev</b> , Elena Kotseva, Irina Salcheva	TOURIST MAP OF SOFIA AND NATURE PARK VITOSHA	Bulgaria

## POSTER SESSIONS

### THURSDAY, June 21 8:30 AM – 12:30 PM

<b>Davis Dinkov</b>	UNMANNED AERIAL SYSTEMS FOR 3D MODELING OF NATURAL LANDMARKS	Bulgaria
<b>Davis Dinkov</b> and Rumiana Vatsveva	3D MODELING OF BUILDINGS USING UNMANNED AERIAL SYSTEMS	Bulgaria

### THURSDAY, June 20 1:00 PM – 5:00 PM

Pinar Sarin and <b>Necla Ulugtekin</b>	THE DATABASE OF TURKISH NEWSPAPER'S MAPS	Turkey
Elena Baldina and Ksenia Troshko	ARCTIC LANDSCAPES MAPPING WITH MULTI-TEMPORAL SENTINEL-1 IMAGERY: A CASE STUDY OF KOTELNY ISLAND	Russia

## Gala Dinner

The Gala Evening is the grand finale of the Conference and the perfect opportunity to make new contacts, get to know the local cuisine and traditions through the rich entertainment program and to celebrate the accomplished work.

We invite all delegates as well as non-delegates to attend this exciting event!

**Date:** 21 June 2018

**Location:** Vyatarna Melnitsa (Windmill) Restaurant

**Time:** 7:00 PM

**Price:** 30 Euro



## ABOUT SOZOPOL

Sozopol (Bulgarian: Созопол, Greek: Sozopolis) is an ancient seaside town located 35 km south of Burgas on the southern Bulgarian Black Sea Coast. Today it is one of the major seaside resorts in the country.



Sozopol is one of the oldest towns on Bulgarian Thrace's Black Sea coast. The first settlement on the site dates back to the Bronze Age. Undersea explorations in the region of the port reveal relics of dwellings, ceramic pottery, stone and bone tools from that era. Many anchors from the second and first millennium BC have been discovered in the town's bay, a proof of active shipping since ancient times.

The current town was founded in the 7th century BC by Greek colonists from Miletus as Antheia. The name was soon changed to Apollonia, on account of a temple dedicated to Apollo in the town, containing a famous colossal statue of the god Apollo by Calamis, 30 cubits high, transported later to Rome by Lucullus and placed in the Capitol.

Since 1984 Sozopol hosts the Apollonia art festivities every September, which include theatre shows, exhibitions, movies, musical and dance performances, book presentations and other cultural events.

## USEFUL INFORMATION

### Time:

Greenwich time + 2 hours, Central European Time + 1 hour

### Electricity:

220 V., 50 Hz.

### Post Office:

You may drop your post cards and letters at the Reception desk at your hotel or put them in the post boxes in the resort. Sozopol's Post Office is situated in the central area.

### Banks:

Banks are opened Monday to Friday, from 9 a.m. to 3 p.m. You will need your passport for cashing cheques or exchanging currency. There are also ATMs at some of the Sozopol hotels.

### Credit Cards:

The main international credit cards are accepted at the big hotels, shopping centers, the car hire offices and some restaurants. The stickers on the shop-windows or at the hotel entrances will provide you with information as to which credit cards are accepted.

### Money:

The Bulgarian LEV consists of 100 stotinki. All payments should be made in the national currency. There are bank notes of 2, 5, 10, 20 and 50 Lev, and coins of 1, 2, 5, 10, 20 and 50 stotinki.

The exchange rate is fixed at 1.95583 Leva = 1 Euro. It is advisable the exchange of foreign currency to be made at change bureaus or at a bank.

### Pharmacy:

Usually is open from 8 a.m. to 8 p.m. There is also a 24-hour pharmacy. You will be provided with more detailed information at the reception desk in your hotel.

### Water:

Tap water is chlorinated but completely suitable to drink. Still, better drink bottled mineral water.

### Beach:

All beaches are free. You will only be charged for using deckchairs and parasols.

### Population:

The population of Bulgaria is about 7 500 000 people, 1 150 000 million live in the capital.

### Official Language:

Bulgarian, belonging to the Slavonic language group.

### Religion:

Majority – Eastern Orthodox; other – Catholicism, Judaism, Islam, etc.

### Safe:

It is recommended to keep valuables and documents in the safe you will be provided at the hotel reception. In case of any loss or theft, please approach local organizers.

### Restaurants:

The menu includes mostly dishes of both the Bulgarian and the European cuisine. Restaurants are usually open from 7:30 a.m. to 11:00 p.m. Some of them may be open as long as there are guests.

### Shops:

Shops in the city are open every day, including Saturday and Sunday. They work from 9 a.m. till 9 p.m.



## ONE DAY TRIP

23.06.2018

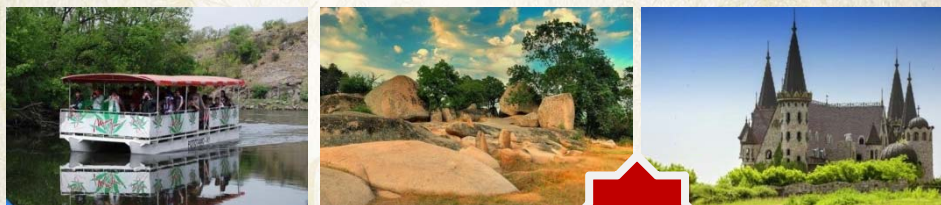
09:30 – Departure from the Flagman Hotel, Sozopol

10:00 – 11:00 Boat trip along the Ropotamo River

11:30 – 12:30 Visiting Begliktash

13:30 – 14:30 Lunch in the Castle "In love with the wind", Ravadinovo

14:30 – 17:00 A walk through the Castle



45 EUR

### The price includes:

- Transport with a luxury bus
- Entrance fees and tickets
- Lunch

There is a special bus for visiting the Castle during the whole conference. The bus will depart daily for groups of at least 7 people at a price of 30 BGN including transport and an entrance fee.

Reservation and payment are available on site!

Time	Sun 17.06	Monday 18.06	Tuesday 19.06	Wednesday 20.06	Thursday 21.06	Friday 22.06
08:30			F2 08:30-10:00	Seminar EWCM Part 3 08:30-10:00	F5 08:30-09:45	F7 08:30-10:00
09:00		Registration 09:30-09:45	T2 08:30-10:00	T6 08:30-10:00	T10 08:30-09:45	T12 08:30-10:00
09:30		F1 09:30-11:20	T3 10:30-11:45	ISIDE Session 10:30-12:30	F6 10:15-11:45	F8 10:30-11:45
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12:00						
12:30						
13:00						
13:30						
14:00		Opening Ceremony				
14:30		Keynote Session 1	Seminar EWCM Part 1 14:30-16:00	F4 14:00-15:30	T8 14:00-15:30	
15:00						
15:30						
16:00		Keynote Session 2	Seminar EWCM Part 2 16:30-18:00	CMP Meeting 16:00-17:30	Training Course 13:00-15:00	
16:30						
17:00		Photo	CCEWCM Meeting	CCC Meeting		
17:30						
17:45						
18:00						
18:30						
19:00		Welcome Reception			Gala Dinner	Excursions

Terrace Hall

Flagman Hall