

COST Action CA17131
The Soil Science & Archaeo-Geophysics Alliance:
going beyond prospection

DRAFT AGENDA
WORKSHOP1
Prague, Czech Republic
30/09-01/10/2019

MONDAY, 30 September 2019

08:30	REGISTRATION	
09:15	Welcome to Prague & Institute of Geophysics of the Czech Academy of Sciences by Hana GRISON (Local Organiser, LO)	
09:20	Welcome to the 3rd SAGA Meeting by Carmen CUENCA-GARCÍA (SAGA Chair)	
SAGA WORKSHOP 1: Programme (Presentations= 13' + 2' min for questions) (FLASH poster presentations= 2')		
TOPIC 1: DEVELOPING A COMMON GROUND Chair: Jorg FASSBINDER		
09:30	<i>"An Update On COST Action SAGA"</i>	Carmen CUENCA-GARCÍA , Norwegian University of Science and Technology (NTNU), NORWAY
09:45	<i>"Soil-Archaeology-Instrumentation: A Deep Interrelationship"</i>	Michel DABAS Centre National de la Recherche Scientifique (CNRS), FRANCE
10:00	<i>"Interpreting Archaeological Subsurface Anomalies With A Minimally Invasive Combined Geophysical, Geoarchaeological, And Geochemical Approach"</i>	Roderick SALISBURY Department of Prehistoric and Historical Archaeology, University of Vienna, AUSTRIA
10:15	<i>"Transformations Of Archaeomagnetic Maps By Means Of Higher Derivatives Evaluation"</i>	Roman PAŠTEKA Faculty of Natural Sciences, Comenius University, SLOVAKIA

10:30	COFFEE BREAK & POSTER EXHIBITION	
11:00	<i>"Magnetic Susceptibility: What Is It?"</i>	Eduard PETROVSKÝ Institute of Geophysics of the Czech Acad. Sci., CZECH REP
11:15	<i>"Employing Mineral Magnetic Signature Of Iron Oxides In Soils And Archaeological Remains Of Burnt Clay In Archaeological Prospection Planning"</i>	Neli JORDANOVA National Institute of Geophysics, Geodesy and Geography, Bulgarian Academy of Sciences BULGARIA
11:30	<i>"Representative Grid Point Means For Surface Soil Susceptibility Mapping"</i>	Simo SPASSOV Laboratory for Environmental Magnetism, Royal Meteorological Institute of Belgium BELGIUM
11:45	<i>"Archaeomagnetism: The Geophysical Tool For Dating Archaeological Structures"</i>	Elna AIDONA Department of Geophysics, School of Geology, Aristotle University of Thessaloniki GREECE
TOPIC 2: INTEGRATED APPROACHES COMBINING GEOPHYSICS AND SOIL SCIENCE AT ARCHAEOLOGICAL SITES Chair: Neli JORDANOVA		
12:00	<i>"Twelve Centuries Long Iron Smelting Pollution Record – A Unique Archive Of Mining And Industrial History At Moravian Karst"</i>	Milan GAZDIC University of Belgrade SERBIA
12:15	<i>"The Evolution Of Relict Phaeozems Related To Chalcolithic Settlements From Eastern Romania"</i>	Andrei ASANDULASEI "Alexandru Ioan Cuza" University ROMANIA
12:30	<i>"New Geophysical And Geochemical Data At The Archaeological Site Of Zaldua (Auritz/Burguete, Navarre)"</i>	Ekhine GARCÍA ARANZADI Society of Science BASQUE COUNTRY-SPAIN
12:45	<i>"Combining Geochemical, Isotopic And Microscopic Methods To Distinguish Technogenic Materials In Soils"</i>	Luke BEESLEY The James Hutton Institute SCOTLAND-UK
13:00	LUNCH (please confirm your daily menu to the LO here)	
TOPIC 6: HANDS-ON SESSION ON "GEOPHYSICAL METHODS AND INSTRUMENTATION"		
14:30	STATION ROTATION by Jaroslav BARTA, Jaroslav JIRKU & Tomáš BELOV (G IMPULS Praha, CZECH REP) & Volodymyr IVASHCHUK (Transient Technologies LLC, UKRAINE)	



15:30	COFFEE BREAK & POSTER EXHIBITION
16:	STATION ROTATION (cont)
16:00	GPR DATA PROCESSING AND INTERPRETATION by Volodymyr IVASHCHUK (Transient Technologies LLC, UKRAINE)
17:30	GROUP PHOTO

TUESDAY, 01 October 2019

TOPIC 3: CHALLENGING SURVEY ENVIRONMENTS AND/OR DATA

Chair: Armin SCHMIDT

09:15	<i>"Initial Geophysical Surveying Of Archaeological Sites In Armenia"</i>	Jaroslav JIRKU G IMPULS Praha, CZECH REP
09:30	<i>"Geophysical - Archaeological Survey At The Hradčany Square In Prague"</i>	Jaroslav BARTA G IMPULS Praha, CZECH REP
09:45	<i>"Integrated Geophysical Investigations And Archaeological Excavations In A Hittite State City (Şapinuwa)"</i>	Mahmut Göktuğ DRAHOR Engineering Faculty Department of Geophysics, Dokuz Eylül University, TURKEY
10:00	<i>"Direct Push Electrical Cone Penetration Testing, Electrical Conductivity Logging And Video Imaging For (Deep) Paleosol Mapping"</i>	Jeroen VERHEGGE Ghent University, BELGIUM
10:15	<i>"Environmental And Archaeological Prospection By Coring And Magnetic Prospection In The Prehistoric Landscape Of Pusta Reka (Leskovec, Serbia)"</i>	Cornelius MEYER CMP Cornelius Meyer Prospection, GERMANY
10:30	COFFEE BREAK & POSTER EXHIBITION	



11:00	<p>FLASH Poster presentation on TOPIC 3</p> <ol style="list-style-type: none"> 1. "Forested environment: opportunities to survey (a case of Jakšiškis prehistoric settlement site)" by Andra STRIMAITIENĖ, Lithuanian history institute, LITHUANIA 2. "A Complex Geophysical Survey At The Old Town Square In Prague" by Jaroslav BARTA, G IMPULS Praha, CZECH REP 3. "GPR Investigations In The Church Of St. Elias -bohdan Khmelnytsky Burial Vault" by Kseniia BONDAR, Taras Shevchenko National University of Kyiv, UKRAINE 4. "Mapping The German Nazi Extermination Camps Of "Aktion Reinhardt" – Problems And Challenges For Archaeological Prospection" by Sebastian ROZYCKI, Warsaw University of Technology, POLAND 5. "Elemental Composition Of Soil At Burial Sites" by Ladislav ŠMEJDA, Faculty of Environmental Sciences, Czech University of Life Sciences Prague, CZECH REP 6. "A Newcomer To Archaeo-geophysics, With Seismic Modelling And Imaging Experience From The (Dirty) O&G World - Turning Towards Teaching And Using GPR And Really Keen To Learn While Hoping To Contribute" by Isabelle LECOMPTE, University of Bergen, NORWAY 	
<p>TOPIC 4: Experimental/Monitoring projects (conducted at archaeological sites or related to archaeo-geophysics) Chair: Kseniia BONDAR</p>		
11:15	<p>"Co-operation Between Archaeological And Geophysical Research: Expedition Apostolus And Localities In Prague"</p>	<p>Jan FROLIK Institute of Archaeology of the Czech. Acad. Sci., CZECH REP</p>
11:30	<p>"Identification Of Archaeological Soils By Vis-nir Reflectance Spectra"</p>	<p>Yoon Jung CHOI Max Planck Institute For Chemistry, GERMANY</p>
11:45	<p>"Predicting The Contrast In Earth Resistance Data From Weather Observations"</p>	<p>Armin SCHMIDT GeodataWIZ, GERMANY</p>
12:00	<p>"Investigating The Influence Of Environmental Factors On GPR Surveys: The Borre Monitoring Project"</p>	<p>Petra SCHNEIDHOFER Vestfold fylkeskommune, NORWAY</p>
12:15	<p>"Innovation In Near-surface Geophysics: How Could Time-lapse Geophysics Help In Archeology"</p>	<p>Frédéric NGUYEN University of Liège, BELGIUM</p>
12:30	<p>"Diagnostic And Monitoring Of Cultural"</p>	<p>Ilaria CATAPANO</p>



	<i>Heritage: Heracles Project Experience</i>	Institute for Electromagnetic Sensing of the Environment, ITALY
12:45	<i>"Human-rock Interaction And The Burial Practice In The Necropolis Of The Early Roman Era Jerusalem"</i>	Nurit SHTOBER-ZISU Department of Israel Studies, University of Haifa, ISRAEL
13:00	FLASH Poster presentation on TOPIC 4 <ol style="list-style-type: none"> <i>"Edge Detection On Magnetic Data Interpretation By Using Tilt Angle Method : Amasya Oluz-hoyuk Archaeological Field Example"</i> by Hazel Deniz TOKTAY, Istanbul University Cerrahpasa, TURKEY <i>"Misinterpretation Of Geoelectrical Anomalies: A Case Study From Stavros-rafina, Greece"</i> by George VARGEMEZIS, Department of Geophysics, School of Geology, Aristotle University of Thessaloniki, GREECE 	
13:05	LUNCH (please, confirm your daily menu to the LO here)	
TOPIC 5: T5:Multivariate proxy data analysis and/or forward modelling Chair: Mercedes SOLLA		
14:30	<i>"Compositional Data Analysis And Its Applications"</i>	Karel HRON Palacky University, CZECH REP
14:45	<i>"Characterization Of Archaeological Sites Using Gpr Signal Forward Modelling"</i>	Mercedes SOLLA Defense University Center, Escuela Naval Militar, SPAIN
15:00	<i>"Machine Learning For Archaeo-geophysics Interpretation"</i>	Abir JRAD Faculté des Sciences de Gabès, Gabes University, TUNISIA
TOPIC 6: Hands-on sessions on "METHODS FOR SOIL ANALYSIS"		
15:15	STATION ROTATION by Jaroslava KADLEC, Radek KLANICA, Šárka STEJSKALOVÁ (Institute of Geophysics of the Czech Acad. Sci., CZECH REP) and Jan HORAK & Ladislav ŠMEJDA (Faculty of Environmental Sciences, Czech University of Life Sciences Prague, CZECH REP)	
15:30	COFFEE BREAK & POSTER EXHIBITION	
16:00	STATION ROTATION (cont)	
17:00	Closure of the WORKSHOP 1 and instructions for SECOND JOINT WG MEETING (2-3 Oct 2019) and THIRD MC Meeting (3 October 2019, noon)	
19:30	SOCIAL DINNER @ the restaurant PETŘÍNSKÉ TERASY or KLOLIBA . Please confirm your attendance ASAP to the LO.	

