

Tuesday 18 th April 2023			
VENUE: Suhmhuset Auditorium			
9:00	9:30	Morning coffee & registration	
9:30	09:35	Welcome to NTNU	
Introduction to the Workshop			
09:35	09:45	Objectives (reflection on work, identify Emerging topics & future developments) and Schedule –ORE? Price best poster	
09:45	09:55	LO communications	
Session 1: Integrated approaches to archaeology that combine geophysics and soil science to maximise proxy data interpretation. A) <i>Geophysical methods and soil analysis to assess contrast dynamics behind the detection of buried archaeological features.</i>			
10:00	10:10	STSM: An Overview after 4 years of activities.	Elina Aidona
10:15	10:25	Magnetism Of Neolithic Structures – A Special Focus on Possible Causes of Extremely High Magnetic Response (<i>STSM project</i>)	Neli Jordanova
10:30	10:40	The case of the missing ditches – a case study in the Po Valley, Italy (<i>STSM project</i>)	Kainz Jakob
10:45	10:55	Identifying geophysical, physical, and spectral soil properties of Brześć Kujawski culture traces in glacial soils of Kuyavia (Poland) (<i>STSM project</i>)	Jeroen Verhegge
11:00	11:30	Coffee Break with “1 Minute Pitch” poster presentations: 11:10 <i>Dreaming of Perfect Soil: Interactions between Soil and Geophysical Measurements for Archaeological Detection</i> by Michel Dabas (<i>STSM project</i>) 11:15 <i>On Formation of Magnetic Anomalies on Late Roman Cemeteries in the Forest-Steppe of Ukraine</i> by Kseniia Bondar (<i>STSM project</i>) 11:20 <i>Palaeochannels of the Rakhigarhi Hinterland in Haryana (India)</i> by Kishan Amarasinghe (online)	

		11:25 Soils as proxy for late Quaternary paleoenvironmental evolution of the Yesha Valley (Naftali Mountains, Israel) by Hilit Kranenburg	
Session 1: Integrated approaches to archaeology that combine geophysics and soil science to maximise proxy data interpretation. B) Geophysical methods and soil analyses to identify buried archaeological sites and assess past activity areas and paleoenvironments.			
11:30	11:40	Soil Sampling and Mineral-Magnetic Characterisation to Improve Archaeo-Geophysical Interpretation. An Example of The Roman Site at Auritz/Aurizberri, Navarre (Spain) (STSM & TS project)	Garcia-Garcia Ekhine
11:45	11:55	Investigating The Domestic Functional and Social Activity Areas for Cucuteni Chalcolithic Sites from Ne Romania. Case Study: Dumbrăvita – Tarlaua Iezerul Settlement	Andrei Asandulesei
12:00	12:10	Archaeological remote sensing survey at the site of Tejada la Vieja (Escacena del Campo, Huelva): Correlating soil analysis and spectral signatures	David Villalón-Torres
12:15	12:25	Combining remote sensing and environmental sampling at transhumant shieling sites	Kristoffer Dahle
12:30	14:00	Lunch	
Session 2: Country-based overviews			
14:00	14:10	Brief History of the Development of Archaeo-geophysics in Slovakia	Roman Pasteka
14:15	14:25	State-of-the-art of ground-based geophysics for archaeological prospection and paleo-landscape studies in Denmark	Søren Kristansen
14:30	14:40	An Overview of Geoarchaeology Work in Republic of Srpska (Bosnia and Heryegovina)	Ivana Pandizc
14:45	14:55	Archaeo-geophysics used as a dating tool for ancient baked clays: The Italian experience	Evdokia Tema

15:00	15:45	<p>Coffee Break with “1 Minute Pitch” poster presentations:</p> <p>15:10 Magnetometric survey data and their testing by archaeological excavations in Poienesti-Lucaseuca culture settlements: preliminary results by Nicolai Batog</p> <p>15:15 Contribution of VLF Electromagnetic Survey to the Investigation of Ancient Mines In Hessdalen (Norway) by George Vargemezis</p> <p>15:20 Modelling Archaeological Environment and Geophysical Response Using Cesium Magnetometry in Roman Archaeological Site Argamum (Romania) by Sorin Anghel</p> <p>15:25 Using GPR Method For Archeological Prospection. A Case Study in Kosturino, North Macedonia by Kemal Edip</p> <p>15:30 Depth Determination of Potential Archaeological Structures on Total Magnetic Anomaly Maps: Oluz Mound Example (Turkey) by Hazel Deniz Toktay</p>
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Session 3: Outcomes from Training Schools and other SAGA tools

15:45	15:55	Science collaboration without borders - introducing large-scale GPR investigations in Finland (<i>STSM & VM project</i>)	Wesa Perttola
16:00	16:10	SAGA Training School 4 'ER and GPR Survey and related Geoarchaeological Methods' (10-17 April 2022, Valandovo, North Macedonia) (<i>TS project</i>)	Radomir Ivanovic
16:15	16:25	SAGA Training School 3 'Magnetic Laboratory Methods in Support of Archaeology' (Prague, 28-31 March 2022, Prague, Czech Republic) (<i>TS project</i>)	Hana Grison
16:30	16:45	Q&A and LO communications	

17:45	19:15	Organ concert at the Nidaros Cathedral by courtesy of the Trondheim City Council
20:00	Dinner at Hevd Restaurant (please confirm to Ingrid Salvesen (ingrid.salvesen@ntnu.no) before 12th April 2023.	

Wednesday 19 th April 2023			
VENUE: Suhmhuset Auditorium			
9:00	9:30	Morning coffee & registration	
SAGA Workshop (continuation)			
9:30	09:40	Welcome to Day 2	
Session 4: Modelling, Data Analysis, and Integration			
09:45	09:55	Know Your Enemy: Parameterising the Description of Noise in Geophysical Measurements for Archaeology (STSM project)	Armin Schmidt
10:00	10:10	1D/3D sensitivity analysis of low frequency electromagnetic method in archaeology for soils and features characterization: review and progress (STSM project)	François-Xavier Simon
10:15	10:25	Searching for innovative ways of data analysis in archaeological prospection (STSM projects)	Jan Horák
10:30	10:40	New statistical approaches to the integration of archaeological survey data (STSM project)	Richard Hewitt
10:45	11:15	Poster Coffee Break	
Session 5: Integrated proxy studies for site preservation, monitoring, evaluating risk for natural disasters/climate change.			
11:15	11:25	The CHERISH Toolkit: Applying earth sciences to monitor and understand the impacts of climate change on the cultural heritage of our seas and coasts	Robert Shaw
11:30	11:40	The importance of integrated geophysics in the determination of importantly deformed subsurface archaeological structures	Mahmut Drahor
11:45	11:55	Prospecting flooded stone ages sites. Multivariate geophysical proxies within a hydroelectric dam	Kristoffer Dahle
12:00	12:10	Understanding the cityscape of Soba by means of magnetometry and Ground-Penetrating Radar data	Robert Ryndziewicz

12:15	12:25	LO communications	
12:30	14:00	Lunch	
14:00	14:10	ORE presentation (online)	
Session 6: Upcoming Projects			
14:15	14:25	In search for the answers — geophysical research on the WWII extermination camps areas and excavation strategies at memorial sites	Sebastian Różycki
14:30	14:40	Investigating the Migration Period ringforts on Öland, Sweden with GPR.	Ellinor Hedberg
14:45	14:55	Uncovering the secrets of the Tumulus of Laona in Palaepaphos, Cyprus, through an integrated geophysical approach	Apostolos Sarris
15:00	15:10	Introducing SENSING IBERIANSCAPES – Exploration of indigenous settlements from the Iron Age on the Eastern coast of the Iberian Peninsula using minimal invasive strategies	Carmen Cuenca-Garcia
15:15	15:30	Q&A	
15:35	15:40	Winner of the poster competition PRIZE	
15:40	15:45	LO communications & Closure	

16:00	17:00	Visit to the Museum exhibition	
20:00		Dinner at To Rom og Kjøkken (please confirm to Ingrid Salvesen (ingrid.salvesen@ntnu.no) before 12th April 2023.	