



16th International Congress of the Geological Society of Greece

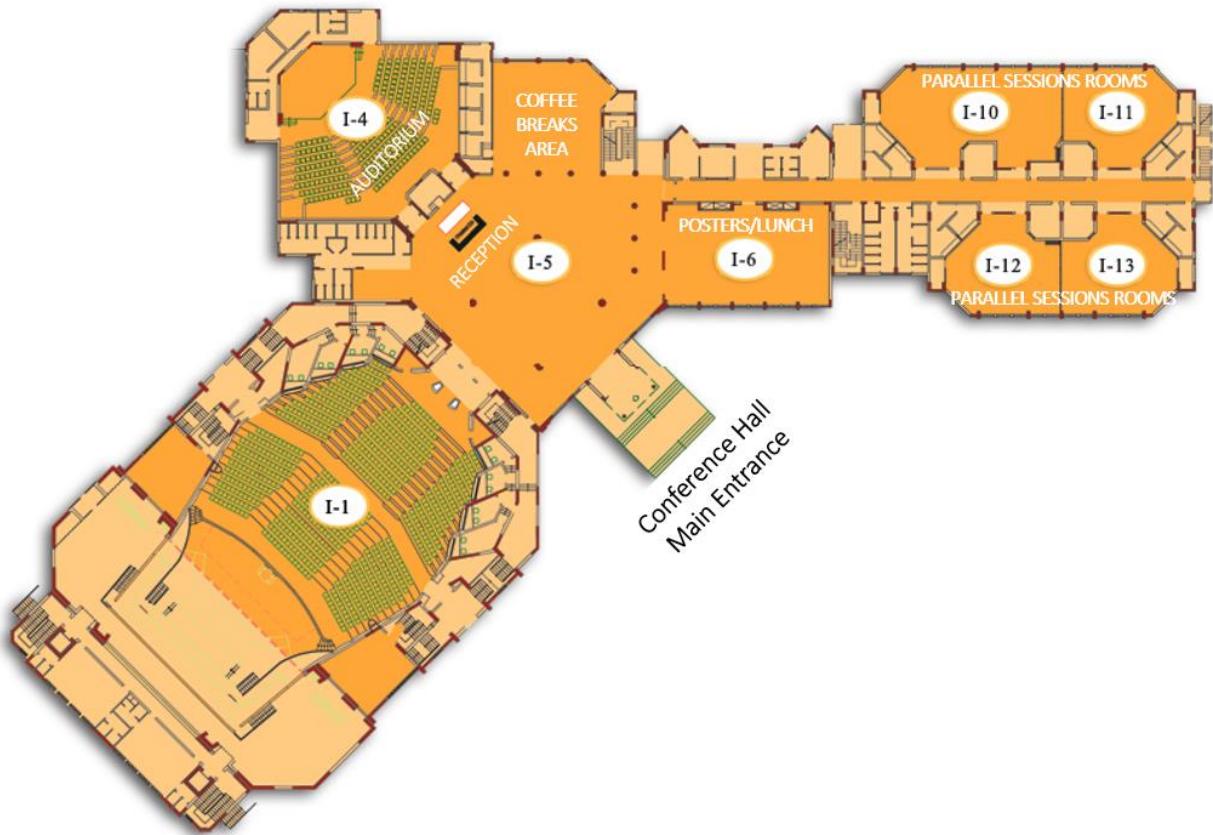
OCT **17-19** 2022
PATRAS | GREECE



PROGRAM

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CONFERENCE HALL PLAN VIEW



GSG2022 Rooms:

Auditorium I-4
Room I-10
Room I-11
Room I-12
Room I-13
Posters Room I-6

AGENDA AT A GLANCE

DAY 1: MONDAY 17 OCTOBER 2022

REGISTRATION/INFO DESK OPEN

Auditorium I-4

08:30	REGISTRATION/INFO DESK OPEN				
Auditorium I-4					
09:00-10:00	Opening Ceremony: Greetings and Platinum Sponsors Presentations				
10:00-10:30	Keynote Lecture: Anna Korre, Sustainability at the crossroads of resource security and energy transition				
10:30-11:00	Keynote Lecture: Theodoros Ntaflos, The geochemical and petrological evolution of the Etna volcano through the time				
11:00-11:30	Coffee Break				
	Auditorium I-4	Room I-10	Room I-11	Room I-12	
11:30-13:15	T9a: Engineering Geology	T1: Stratigraphy, Palaeontology and Sedimentology	T5: Marine Geology and Oceanography	T7: Economic Geology, Raw Materials, Energy Resources, Circular Economy	
13:15-14:30	Lunch Break				
14:30-16:00	T9a: Engineering Geology	T1: Stratigraphy, Palaeontology and Sedimentology	T6: Geochemistry, Mineralogy, Petrology and Volcanology	T7: Economic Geology, Raw Materials, Energy Resources, Circular Economy	
16:00-16:30	Coffee Break				
16:30-18:00	S8: New Perspectives for the Monitoring and Early Detection of Geohazards	S1: Evolving Techniques in the Study of Sediments	T6: Geochemistry, Mineralogy, Petrology and Volcanology	T3: Geophysics, Seismology and Geodynamics	
18:00-19:15	Posters (and Welcome Drinks)				

DAY 2: TUESDAY 18 OCTOBER 2022

REGISTRATION/INFO DESK OPEN

Auditorium I-4

08:30	REGISTRATION/INFO DESK OPEN				
Auditorium I-4					
09:00-09:30	Keynote Lecture: Jiri Zahradník, Mixed-type faulting and non-double-couple earthquakes				
09:30-10:00	Keynote Lecture: Gernold Zulauf, The nappe pile of Crete: Records of orogenic activity since Precambrian times				
	Auditorium I-4	Room I-10	Room I-11	Room I-12	Room I-13
10:15-11:30	T3: Geophysics, Seismology and Geodynamics	S3: The Hellenides: Tectonostratigraphic Terranes, Tectonic Units and Orogenic Evolution	S6: The Hydrocarbon Prospectivity of SE Mediterranean: Targets and Opportunities	S2: Quaternary Processes and Geoenvironments in the Active Corinth Rift	T11: Geosciences for Society, Education and Geoheritage
11:30-12:00	Coffee Break				
12:00-13:15	T3: Geophysics, Seismology and Geodynamics	S3: The Hellenides: Tectonostratigraphic Terranes, Tectonic Units and Orogenic Evolution	S6: The Hydrocarbon Prospectivity of SE Mediterranean: Targets and Opportunities	S2: Quaternary Processes and Geoenvironments in the Active Corinth Rift	T11: Geosciences for Society, Education and Geoheritage
13:15-14:30	Lunch Break				
14:30-16:00	T3: Geophysics, Seismology and Geodynamics	T2: Structural Geology and Tectonics	S6: The Hydrocarbon Prospectivity of SE Mediterranean: Targets and Opportunities T9b: Hydrogeology	T10: Environmental Geosciences and Climate Change	S9b: Achieving Sustainable Development Through Geoheritage
16:00-16:30	Coffee Break				
16:30-18:00	T3: Geophysics, Seismology and Geodynamics	T2: Structural Geology and Tectonics	T9b: Hydrogeology	S7: Remote Sensing Techniques in Geohazards	S9a: Geoheritage, Geoconservation, Geoeducation and Geoethics
18:00-19:15	Posters				
20:30	Conference Dinner				

DAY 3: WEDNESDAY 19 OCTOBER 2022

09:00	REGISTRATION/INFO DESK OPEN Auditorium I-4			
09:30-11:15	Round Table: Association of Greek Geologists "Prospects of Geology in a Sustainably Developed World. Professional Perspectives in Greece"			
11:15-11:45	Coffee Break			
11:45-13:15	Auditorium I-4 S9a: Geoheritage, Geoconservation, Geoeducation and Geoethics	Room I-10 S4: Recent Advances in InSAR and GNSS Applications for Crustal Deformation Mapping and Monitoring	Room I-11 S5: Insights into the Nature of the Earth's Upper Mantle Approached from the Study of Ophiolites and Volcanic Rocks	Room I-12 T8a: Information Technologies in Geosciences
13:15-14:30	Lunch Break			
14:30-16:00	Auditorium I-4 S9a: Geoheritage, Geoconservation, Geoeducation and Geoethics	Room I-10 T4: Geomorphology and Quaternary Geology	Room I-11 S5: Insights into the Nature of the Earth's Upper Mantle Approached from the Study of Ophiolites and Volcanic Rocks	Room I-12 T8b: Natural Hazards and Information Technologies
16:00-17:00	Posters			
17:00-17:30	Auditorium I-4 Closing Ceremony			

DETAILED AGENDA – DAY 1: MONDAY 17

OPENING CEREMONY (Plenary)		Auditorium I-4
		09:00-10:00
09:00-09:45	Conference Opening and Welcome Addresses	
09:45-10:00	Platinum Sponsor Presentation: <i>HEREMA's role in the transformation of the Hellenic energy system towards a carbon free future</i> <u>Aris Stefatos</u> CEO of the Hellenic Hydrocarbons and Energy Resources Management Company S.A. (HEREMA S.A.)	
KEYNOTE LECTURES (Plenary)		Auditorium I-4
		10:00-11:00
<u>Conveners:</u>	Pavlos Avramidis, Petros Koutsovitis	
10:00-10:30	<i>Sustainability at the crossroads of resource security and energy transition</i> <u>Anna Korre</u> Co-Director of Energy Futures Lab and Professor of Environmental Engineering at Imperial College London, UK	
10:30-11:00	<i>The geochemical and petrological evolution of the Etna volcano through the time</i> <u>Theodoros Ntaflos</u> Professor of Petrology and Geochemistry at the University of Vienna, Austria	
11:00-11:30	COFFEE BREAK	
T9a: Engineering Geology		Auditorium I-4
		11:30-13:15
<u>Conveners:</u>	Nikolaos Depountis, Vasileios Marinos, Constantinos Loupasakis	
11:30-11:45	ID 81 The SCIENCE project at the Acropolis Hill of Athens, Greece - Developing an Instability Index Model of the rock slopes using advanced spatial analysis <u>Constantinos Loupasakis, Paraskevas Tsangaratos, Issak Parcharidis, Vasiliki Eletheriou, Dionysia Michalopoulou, Rozalia Christodouloupolou and Dionysia Mavromati</u>	
11:45-12:00	ID 120 Correlation of the macroscopic shear failure of intact rocks with the sliding friction on pre-existing rock surfaces <u>Anastasios Tsikrikis, Vassilis Marinos and Theodosios Papaliangas</u>	
12:00-12:15	ID 121 Engineering Geological and Geotechnical Big Data Management for Planning and Protecting Smart Cities: The Pilot Case of The City of Thessaloniki. <u>Aliko Kokkala and Vassilis Marinos</u>	
12:15-12:30	ID 219 Revisiting the engineering geological appraisal and interpretation towards the geotechnical design of tunnels based on experiences from over than 70 tunnels in Greece <u>Vassilis Marinos</u>	
12:30-12:45	ID 385 Experiences from the application of the GSI system for rock engineering design in the last two decades in Greece. Respecting the geological particularities <u>Vassilis Marinos</u>	
12:45-13:00	ID 204 Rock Mass Characteristics and Block Volumes Detached After Earthquake Events in Lefkada Island, Greece and their Significance in Rock Fall Analyses <u>Aikaterini Servou, Nikolaos Depountis and Nikolaos Sabatakakis</u>	
13:00-13:15	ID 251 New insights in the correlation of liquefaction phenomena with the evolution of a floodplain <u>George Papathanassiou, Sotiris Valkaniotis, Maria Taftsooglou and Riccardo Caputo</u>	
T1: Stratigraphy, Palaeontology and Sedimentology		Room I-10
		11:30-13:15
<u>Conveners:</u>	Pavlos Avramidis, Maria Triantaphyllou, Dimitris Kostopoulos	

11:30-11:45	ID 41 Intense Marine Reworking of Tephra on the flanks of Yali Island, at the Southeastern End of the South Aegean Volcanic Arc <i>Anna Koutroulli, Georgios Anastasakis, Stephen C. Kuehn, David J.W. Piper, Georgia Pe-Piper and George Kontakiotis</i>
11:45-12:00	ID 175 A holistic approach for reconstructing environmental dynamics during Holocene in Agia Bay (Lemnos Island, Greece) <i>Olga Koukousioura, Katerina Kouli, George Syrides, Nikolaos Theocharidis, Myrsini Gkouma, Pavlos Avramidis, Maria Ntinou, Panagiotis Tsourlos, Areti Chalkioti, Elina Aidona, Vasiliki-Grigoria Dimou, Konstantinos Vouvalidis and Nikos Efstratiou</i>
12:00-12:15	ID 190 First recording of the ostracod assemblage of Lake Kournas (Crete, Greece) <i>Valentini Navrozidou, Olga Koukousioura, Peter Frenzel, Maria Triantaphyllou, Pavlos Avramidis, Elina Aidona and Georgios Syrides</i>
12:15-12:30	ID 244 Environmental monitoring of a coastal lagoon dominated by the reef-building polychaete <i>Ficopomatus enigmaticus</i> <i>Sarah Faulwetter, Alexios Ramfos, Olga Katsani, Ioannis Prevedouros, Alexandros Emmanouilidis, Dionisios Panagiotaras, Marinos Alexandridis, Konstantinos Nikolakopoulos, Georgios Droukas, Athanasia-Violeta Ntzoumani, Vlasoula Bekiari and Pavlos Avramidis</i>
12:30-12:45	ID 42 High Resolution Tephrostratigraphic Record of a deep-water SE Aegean Sea Core spanning the last 110 ka <i>Anna Koutroulli, Georgios Anastasakis, Stephen C. Kuehn, David J.W. Piper, Georgia Pe-Piper and George Kontakiotis</i>
12:45-13:00	ID 353 A Stratigraphic Contribution to the Geological History of Lesvos Petrified Forest: Preliminary Results from the West Akrocheiras Section <i>Penelope Papadopoulou, George Iliopoulos, Konstantis Perleros, Kimon Christanis, Stavros Kalaitzidis and Nickolas Zouros</i>
13:00-13:15	ID 395 New floristic data of the Early Miocene Lesvos Petrified Forest – Part A: Non-vascular plants, ferns and monocots from the West Akrocheiras outcrop <i>Eleni Liapi, Giannis Zidianakis, Efthymia Tsitsou, George Iliopoulos and Nikolaos Zouros</i>

Room I-11

11:30-13:00

T5: Marine Geology and Oceanography

<u>Conveners:</u>	George Papatheodorou, Serafeim Poulos, Dimitris Sakellariou
11:30-11:45	ID 38 Inventory of submarine landslides in the Aegean Sea: A database in progress <i>Dimitris Sakellariou, Margarita latrou, Konstantina Tsampouraki-Kraounaki, Kyriaki Manta, Ioannis Morfis, Isidoros Livanos, Paraskevi Drakopoulou, Chara Kyriakidou, Valia Loukaidi and Grigoris Rousakis</i>
11:45-12:00	ID 206 Late Quaternary Sedimentary Processes Around Lesvos Island (NE Aegean Sea, Greece): Preliminary Results <i>Dimitrios Evangelinos, Evangelia Benetou, Thomas Hasiotis and Irene Zananiri</i>
12:00-12:15	ID 209 Evidence of mass transport deposits in the south Serifos slope in western Cyclades, Greece <i>Anastasios Poulos, Thomas Hasiotis, Stefanos Missias and Aris Paleokrassas</i>
12:15-12:30	ID 364 Geophysical Study of Patras Gulf Pockmark Field and Long-Term Monitoring Using Distributed Temperature Sensors (DTS): Preliminary Results <i>George Papatheodorou, Dimitris Christodoulou, Maria Geraga, Elias Fakiris, Xenophon Dimas, Nikos Georgiou, Efthymios Sokos, Zafeiria Roumelioti, Giuseppe Etiope, Sotirios Kokkalas, Georgia Giannaraki and Maria Papakonstantinou</i>
12:30-12:45	ID 417 Geophysical and Sedimentological Investigation of Marathon Lake dam reservoir <i>Nikos Georgiou, Dimitris Christodoulou, Elias Fakiris, Xenofon Dimas, Spyros Sergiou, Maria Geraga and George Papatheodorou</i>
12:45-13:00	ID 319 Beneath the lapilli and the post-volcanic torrential depositions: locating the prehistoric port at Akrotiri, Thera <i>Ioannis Bassiakos, Evangelos Tsakalos, Maria Kazantzaki and Eleni Filippaki</i>

Room I-12

11:30-13:00

T7: Economic Geology, Raw Materials, Energy Resources, Circular Economy

<u>Conveners:</u>	Stavros Kalaitzidis, Andreas Georgakopoulos, Konstantinos Laskaridis
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11:30-12:00	ID 15 [Invited] Issues and constraints for the energy transition and achieving zero Carbon Emissions in 2050 - -The role of Critical Metals <i>K. Papavasileiou</i>
12:00-12:15	ID 111 Prinos Complex Developments: Past, Present and the Next 30 Years <i>Stavroula Zervopoulou, Ismail Ismail, Efthimios Tartaras and Aristofanis Stefatos</i>
12:15-12:30	ID 310 Offshore Synergy: The Transfer of Oil and Gas Experience to the Offshore Wind Sector <i>Ismail Ismail, Evangelos Kaikas, Efthimios Tartaras and Aristofanis Stefatos.</i>
12:30-12:45	ID 258 Quality Control of Charcoal Briquettes from Greek Market <i>Maria Georgaki, Małgorzata Wojtaszek-Kalaitzidi, Stavros Kalaitzidis and Kimon Christanis.</i>
12:45-13:00	ID 32 A Guide on Mineral Raw Materials of Greece <i>Kiki Hatzilazaridou, Fotini Chalkiopoulou and Kostas Laskaridis.</i>

13:15-14:30	LUNCH BREAK
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T9a: Engineering Geology		Auditorium I-4	14:30-16:00
<u>Conveners:</u>	Nikolaos Depountis, Vasileios Marinos, Constantinos Loupasakis		
14:30-14:45	ID 350 Large scale shear tests on soil-geosynthetic interfaces <i>Nikolaos Depountis, Maria Ferentinou, Vasileios Boumpoulis, Spyros Perdikis, Panagiotis Alexopoulos and Anastasios Athanasiou</i>		
14:45-15:00	ID 287 Displacement rates in the coastal zone of Panagopoula landslide, Greece, after an earthquake event <i>Christos Theodoropoulos, Zoe Misiri, Katerina Kavoura, Kurosche Thuro and Nikolaos Depountis</i>		
15:00-15:15	ID 250 Slope Stability Analysis of the Earthquake-induced Landslide on October 30th, 2020 in the Avlakia Area, Samos Island, Greece <i>Natalia Spanou, Villy Kontogianni, Dimitrios Galanakis, Ioannis Vakalas, Irene Zananiri and Nikolaos Nikolaou</i>		
15:15-15:30	ID 256 Comparison Between Different Multi-Criteria Decision Analysis (MCDA) Approaches in Coastal Vulnerability Index Calculations <i>Vasileios Boumpoulis and Nikolaos Depountis</i>		
15:30-15:45	ID 22 Engineering Geological evaluation of the fault revealed during the foundation excavations of the water supply tank D1 and geotechnical risks mitigation measures. <i>Nikolaos Kazilis and Nikolaos Linardos</i>		
15:45-16:00	ID 117 Well Inspectors: Giving Greek Geologists a Chance <i>Panagiotis Ntontos</i>		

T1: Stratigraphy, Palaeontology and Sedimentology		Room I-10	14:30-16:00
<u>Conveners:</u>	Pavlos Avramidis, Maria Triantaphyllou, Dimitris Kostopoulos		
14:30-14:45	ID 398 New floristic data of the Early Miocene Lesvos Petrified Forest – Part B: Dicotyledon taxa from the West Akrocheiras outcrop <i>Efthymia Tsitsou, Giannis Zidianakis, Eleni Liapi, George Iliopoulos and Nikolaos Zouros</i>		
14:45-15:00	ID 103 Comparison of the Eocene Larger Benthic Foraminifera Assemblages of Two Paleogene Molassic Basins of the Greek Territory <i>Grigoria Vasiliki Dimou, Olga Koukousioura, György Less, Maria Triantaphyllou, Margarita Dimiza and Georgios Syrides</i>		
15:00-15:15	ID 354 Mountainous vegetation succession during the last 2000 years: A case study from an upland site in the Peloponnese <i>Katerina Kouli, Grammatiki Vasileiadi, Alexandros Emmamouilidis, Ioannis Prevedouros, Pavlos Avramidis, Georgios Liakopoulos, Cristiano Vingola, Alessia Massi and Adam Izdebski</i>		
15:15-15:30	ID 311 The Late Miocene Rhinocerotids (Perissodactyla, Rhinocerotidae) from Samos Island - New Insights from the Historical T. Skoufos Collection <i>Georgia Svorligrakou, Panagiotis Kampouridis, Evangelia Alifieri and Socrates Roussiakis</i>		

15:30-15:45	ID 291 Upper Miocene (MN9) Chelydopsis Remains from Höwenegg (Germany): Preliminary Results <u>Irena Pappa, Eberhard Frey, Evangelos Vlachos and George Iliopoulos</u>
15:45-16:00	ID 355 Collagen extraction and evaluation of organic preservation in Greek & Cypriot fossilized bones <u>James Iliopoulos and Elizabeth Stathopoulou</u>

T6: Geochemistry, Mineralogy, Petrology and Volcanology**Room I-11****14:30-16:00**

<u>Conveners:</u>	Petros Koutsovitis, Ariadne Argyraki, Vasileios Melfos
14:30-15:00	ID 346 [Invited] International Union of Geological Sciences Manual of Standard Methods for Establishing the Global Geochemical Reference Network <u>Alecos Demetriadis, Christopher Johnson, David Smith, Anna Ladenberger, Paula Adánez Sanjuan, Ariadne Argyraki, Christina Stouraiti, Patrice de Caritat, Kate Knights, Gloria Prieto Rincón and Gloria Simubali</u>
15:00-15:15	ID 126 The First Soil Geochemical Atlas of Greece: Outline of a Promising New Project. <u>Artemis Kontomichalou, Alexandros Liakopoulos and Ariadne Argyraki</u>
15:15-15:30	ID 234 Potentially Toxic Elements in House Dust of Cyprus Homes: Contribution to the Global DustSafe Database <u>Ariadne Argyraki, Avgerinos Pitsillis, Jane Entwistle, Lindsay Bramwell, Andreas Zissimos and Irini Christoforou</u>
15:30-15:45	ID 221 High-pressure minerals and hydrated phases in the Kakowa (L6) ordinary chondrite meteorite <u>Ioannis Baziotis, Chi Ma, Yunbin Guan, Ludovic Ferrière, Stamatis Xydous, Jinping Hu, Michael Kipp, Francois Tissot and Paul Asimow</u>
15:45-16:00	ID 243 Differentiation and storage conditions of mafic magmas in Milos Volcanic Field: Insights from crystal cargo in basaltic andesites and gabbroic nodules <u>Stamatis Xydous, Ioannis Baziotis, Argyrios Periferakis, Jasper Berndt and Stephan Klemme</u>

T7: Economic Geology, Raw Materials, Energy Resources, Circular Economy**Room I-12****14:30-16:00**

<u>Conveners:</u>	Nikolaos Kantrianis, Michael Stamatakis, Georgios Christidis
14:30-14:45	ID 89 In-situ isotopic and chemical study of pyrite from a roll-front type uranium deposit (Zoovch-Ovoo, Mongolia) <u>Dimitrios Rallakis, Raymond Michels and Michel Cathelineau</u>
14:45-15:00	ID 10 On the Occurrence of Polymetallic Micronodules in Plio-Pleistocene Continental Clay Deposits of Ventzia Basin, Western Macedonia, Greece <u>Konstantinos Vythoulkas, Michael Stamatakis, Manuel Pozo and Ariadne Argyraki</u>
15:00-15:15	ID 11 Online Harmonized Database of Greek Ornamental Stones Developed in the Context of EuroLithos Project <u>Konstantinos Laskaridis and Angeliki Arapakou</u>
15:15-15:30	ID 233 Strength Development of Lime Pastes with the Addition of Natural Pozzolanas from the Islands of Milos, Yali and Kimolos <u>Georgios Triantafyllou, Georgia Kourtaki, Georgios Christidis and Mihalis Galetakis</u>
15:30-15:45	ID 406 Adsorption capacity of bentonites determined with the plate test and methylene blue test <u>Georgios Christidis, Georgia Grypaioi-Iskenderidou and Pagona Makri</u>
15:45-16:00	ID 171 Mineralogical study and spatial distribution of magnetic particles in soils of Sarigiol basin, Kozani (Greece) <u>Chrysoula Chrysakopoulou, Dimitrios Vogiatzis, Alexandros Drakoulis and Nikolaos Kantrianis</u>

16:00-16:30

COFFEE BREAK**Auditorium I-4****16:30-18:00**

<u>Conveners:</u>	Constantinos Loupasakis, Harry Saroglou, George Papathanassiou
16:30-16:45	ID 115 Innovative tools to support hazard, exposure and risk-assessment against geohazards <u>Eleftheria Poyiadji, Lorenzo Solari, Rosa Maria Mateos, Oriol Monseratt and Anna Barra</u>

16:45-17:00	ID 226 Low-cost monitoring of coastal instabilities via UAV photogrammetry: Lessons learnt from the Red Beach in Santorini Island, Greece <i>Vassilis Marinos, Efstratios Karantanellis, Ioannis Farmakis and Triantafyllos Kaklis</i>
17:00-17:15	ID 60 Persistent Scatterer Interferometry (PSI) analysis for Landslide Detection and Mapping. The case of Chania Prefecture, Crete Island, Greece <i>Constantinos Nefros, Stavroula Alatza, Constantinos Loupasakis and Charalampos Kontoes</i>
17:15-17:30	ID 156 UAV-Based Rockfall Hazard Assessment in the Cultural Heritage Area of Kipinas Monastery, Greece. <i>Ioakeim Konstantinidis, Vassilis Marinos and George Papathanassiou</i>
17:30-17:45	ID 54 Ground Subsidence Phenomena Caused by the Overexploitation of the Aquifers in Arid Climate Regions. The Case of the Remah Area, Al Ain Region, UAE <i>M Kamali, I Papoutsis, Constantinos Loupasakis, A Abuelgasima and Charalampos Kontoes</i>
17:45-18:00	ID 227 Liquefaction susceptibility map of specific areas in Thrace, Greece developed based on geomorphological-related studies <i>Maria Taftsgolou, Sotirios Valkaniotis, George Papathanassiou, Nikolaos Klimis, Ioannis Dokas and Sotirios Argyroudis</i>

S1: Evolving Techniques in the Study of Sediments**Room I-10****16:15-18:15**

<u>Conveners:</u>	George Kontakiotis, Angelos G. Maravelis, Avraam Zelilidis,
16:15-16:45	Honorary event of the Hellenic Sedimentary Association for: Prof. Fotini Pomoni-Papaioannou, Vasileios Karakitsios, Nikolaos Kontopoulos, Georgios Anastasakis
16:45-17:00	ID 169 Sedimentation in the deep-water foredeep of the Central Pindos foreland, western Greece <i>Chrysanthos Botziolis, Angelos G. Maravelis, Octavian Catuneanu and Avraam Zelilidis</i>
17:00-17:15	ID 83 Provenance and statistical analysis of the Lower Oligocene gravelly deposits in central Pindos foreland basin, western Greece: Implications for Orogenic buildup and unroofing <i>Andriana Kovani, Chrysanthos Botziolis, Angelos G. Maravelis, George Pantopoulos, George Iliopoulos and Avraam Zelilidis</i>
17:15-17:30	ID 47 The soft-sediment deformation structures and the siliceous concretions presence as indicators of the depositional processes <i>Nikolaos Dimopoulos, Elena Zoumpouli, George Iliopoulos, Nicolina Bourli and Avraam Zelilidis</i>
17:30-17:45	ID 170 Trace fossils from Upper Eocene to Lower Oligocene deep-sea deposits of the foreland Pindos Basin, western Greece <i>Chrysanthos Botziolis, Angelos G. Maravelis, Alfred Uchman and Avraam Zelilidis</i>
17:45-18:00	ID 33 Reassessing depositional conditions of the Pre-Apulian zone based on synsedimentary deformation structures during upper Paleocene to lower Miocene carbonate sedimentation, from Paxoi and Anti-Paxoi islands, northwestern end of Greece <i>Nicolina Bourli, George Iliopoulos and Avraam Zelilidis</i>
18:00-18:15	ID 37 Unravelling the origin of the Messinian evaporites in Zakynthos Island, Ionian Sea: Implications for the sealing capacity in the Mediterranean Sea <i>Avraam Zelilidis, Nicolina Bourli, Konstantinos Andriopoulos, Eleutherios Georgoulas, Savvas Peridis, Dimitris Asimakopoulos and Angelos Maravelis</i>

T6: Geochemistry, Mineralogy, Petrology and Volcanology**Room I-11****16:30-18:15**

<u>Conveners:</u>	Petros Koutsovitis, Ariadne Argyraki, Vasileios Melfos
16:30-16:45	ID 66 Mineralogical characterization of Brochantite from Kimmeria, Xanthi, N. Greece. <i>Maria Nikopoulou, Triantafyllia Zorba, Lambrini Papadopoulou, Vasilius Melfos and Nikolaos Kantiranis</i>
16:45-17:00	ID 375 Absence of anrogenic magmatic signatures in the Late Cretaceous subduction-related granitoids from Anafi Island <i>Petros Koutsovitis, Konstantinos Soukis, Panagiotis Voudouris, Stylianos Lozios, Theodoros Ntaflos, Christina Stouraiti and Nikolaos Koukouzas</i>
17:00-17:15	ID 102 Morphological Growth Model for Modern Polymetallic and Au-rich CO ₂ Diffuser Chimneys from Kolumbo Submarine Volcano, Hellenic Arc: implications for SMS formation <i>Nikolaos Zegkinoglou, Vasilius Pletsas, Stephanos P. Kiliias, Evangelia Zygouri, Manuel Keith, Paraskevi Nomikou</i>

	<i>and Paraskevi Polymenakou</i>
17:15-17:30	ID 293 The Kolumbo Submarine Volcanic-Hydrothermal Vent Ecosystem: The Epitome of Study Sites in the Hellenic Volcanic Arc with Relevance to Ocean Policy and Governance <i>Vasilios Pletsas, Stephanos Kiliias, Nikolaos Zegkinoglou, Paraskevi Nomikou, Theo Mertzimekis, Paraskevi Polymenakou and Andreas Gondikas</i>
17:30-17:45	ID 367 X-Ray diffraction quantitative analysis of clay minerals using external standards mixtures: A case study of clays from Venzia basin, Grevena, West Macedonia, Greece. <i>Christina Mytilaki, Dimitrios Papadimitriou and Nikolaos Kantiranis</i>
17:45-18:00	ID 369 Removal of Cr(VI) from industrial wastewater using coagulants and clinoptilolite zeolitic tuff <i>Christina Mytilaki, Nikolaos Kantiranis, Stella Symeonidou and Anestis Filippidis</i>
18:00-18:15	ID 43 Tracing Nitrogen Sources and Transformations by using the Nitrate dual Isotopic Composition of Groundwaters from Atalanti, Fthiotida, Greece <i>Christina Antonopoulou and Efstratios Keleperzis</i>

Room I-12

16:30-18:00

T3: Geophysics, Seismology and Geodynamics

<u>Conveners:</u>	Efthimios Sokos, George Kaviris
16:30-16:45	ID 284 1981-2022: 40 years of seismological investigations in the Gulf of Corinth and surrounding areas (Central Greece) <i>Panayotis Papadimitriou, Andreas Karakonstantis, Vasilis Kapetanidis, George Kaviris, Nicholaos Voulgaris and Ioannis Kassaras</i>
16:45-17:00	ID 118 Micro-seismicity Monitoring (2015-2018) In Aetolia-Akarnanian Region: Earthquake Clustering and Active Faulting Implications <i>Valentine Leflis, Alexis Rigo, Efthimios Sokos and Clara Duverger</i>
17:00-17:15	ID 161 Spatiotemporal Evolution of the 2020 Perachora Earthquake Swarm and Inferences for the Triggering Mechanism <i>Georgios Michas, Vasilis Kapetanidis, Ioannis Springos, George Kaviris and Filippos Vallianatos</i>
17:15-17:30	ID 184 Probabilistic and Stochastic Seismic Hazard Assessment for the Western Gulf of Corinth (Greece) <i>Angelos Zymvragakis, George Kaviris, Vasilis Kapetanidis, Pavlos Bonatis and Nicholas Voulgaris</i>
17:30-17:45	ID 275 Seismicity Relocation Reveals Unstudied Seismotectonic Features in the Broader Patras Gulf Area <i>Ioanna Nikolopoulou, Zafeiria Roumelioti, Efthimios Sokos and Vasiliki Mouslopoulou</i>
17:45-18:00	ID 3 Fortress of Shughr-Bakas (North Western Syria): Evidence for the 29 December 1408 AD. Large Earthquake <i>Ryad Darawcheh and Bassam Abuamarah</i>

17:45-19:00 Poster Presentations (with welcome drinks)

T9a: Engineering Geology

1	ID 58 Introducing an innovative methodology for mapping rock-discontinuities, based on the interpretation of 3D photogrammetry products. The case of Akronafplia castle <i>Emmanuel Vassilakis, Maria Stavropoulou, Aliki Konsolaki, Ioannis Konstantinos Giannopoulos, Stelios Petrakis, Evangelia Kotsi, Efthymios Lekkas and Andrianos Kokkoromytis</i>
2	ID 124 Geotechnical properties of the geological formations in Southwestern Cyprus <i>Ploutarchos Tzampoglou, Dimitrios Loukidis and Aristodemos Anastasiades</i>
3	ID 132 Laboratory investigation of the swelling behavior of high plasticity Nicosia Marl <i>Ploutarchos Tzampoglou, Thrasivoulos Stylianou, Georgia Lazarou and Dimitrios Loukidis</i>
4	ID 133 Measurements of seasonal vertical ground movement in high plasticity Nicosia marl <i>Ploutarchos Tzampoglou, Thrasivoulos Stylianou, Georgia Lazarou and Dimitrios Loukidis</i>
5	ID 143 Correlation of mineralogical/petrographic characteristics and physical and mechanical properties of carbonate rocks from the Ionian unit of Lefkada Island, western Greece <i>Vassilis Kallimogianis, Marianna Kati and Charalambos Saroglou</i>
6	ID 157 Preliminary Investigation of Geotechnical Properties of Quaternary Deposits of Kopais Plain, Viotia County, Central Greece <i>Elissavet Chatzicharalampous, George Tsapralis and Constantinos Loupasakis</i>
7	ID 177 A MATLAB code for simulating rockfalls <i>Nikolaos Vagenas, Nikolaos Depountis and Nikolaos Sabatakakis</i>

8	ID 199 Ultimate and Residual Shear Strength of the Weathered Flysch in Wet and Dry conditions <i>Sofia Anagnostopoulou, Nikolaos Depountis and Nikolaos Sabatakakis</i>
9	ID 223 Parametric simulations on the stability conditions of the masonry wall of Chandakas, Heraklion City, Crete, Greece <i>Constantinos Loupasakis, N Antoniadis, I Parcharidis, V Sythiakaki, E Kanaki, P Tsaggaratos, P Soupios, E. Grigorakou and G. Kalousi</i>
10	ID 241 Study on the engineering geological characteristics and the mechanism on a mudflow in the Perivoli, Grevena area <i>Pinelopi Sotiriou, Vasilis Marinos and George Papathanasiou</i>
11	ID 299 Estimation of Soil Loss and Sediment Export with the InVEST SDR Model <i>Maria Michalopoulou and Nikolaos Depountis</i>
12	ID 411 Limit equilibrium compared to simplified analysis for lignite mine stability during water filling reclamation practice <i>Orestis Kontopidis, Alexandros Theocharis, Ioannis Zevgolis and Nikolaos Koukouzas</i>

S8: New Perspectives for the Monitoring and Early Detection of Geohazards

13	ID 104 Temperature and Conductivity as Indicators of the Activity of a Submarine Volcano: The case of Santorini, Greece <i>Ana Dura, Theo J. Mertzimekis, Paraskevi Nomikou, Mark Hannington and Sven Petersen</i>
14	ID 300 Combining mapping methods with advanced equipment to explore discontinuities within underground cavities <i>Emmanouil Chatziangelis and Nikolaos Depountis</i>
15	ID 399 Coastal vulnerability assessment to sea level rise for the coasts of the Ionian Islands <i>Vasileios Kotinas, Aikaterini Karditsa and Serafim Poulos</i>

T1: Stratigraphy, Palaeontology and Sedimentology

16	ID 16 On the oncoid-rich facies in the Dachstein-type platform carbonates of the Sofiko area, Peloponnesus, Greece <i>Vassiliki Kostopoulou and Fotini Pomoni-Papaioannou</i>
17	ID 39 Syn-orogenic deposits on Ionian islands: the case of Katelios section, SE Kefalonia <i>Maria Triantaphyllou, Theodora Tsourou, Margarita Dimiza, Lealem Beza Zerihun and Hara Drinia</i>
18	ID 55 Paleoclimate study of skeletal material of the pygmy hippo Phanourios minor from Ayia Napa (Cyprus) based on oxygen and carbon isotope analysis. <i>Maria Anna Nakasi, Elizabeth Stathopoulou, Elisavet Dotsika, Petros Karalis, Maria Tassi, G. Theodorou and E. Tsialakis</i>
19	ID 71 New Paleoceanographic Constraints for the Tortonian-Messinian Transition: Carbon Cycle and Hydroclimate Insights from the Potamida Section (Crete Island, Eastern Mediterranean). <i>Evangelia Besiou, George Kontakiotis, Assimina Antonarakou, Andreas Mulch and Iuliana Vasilev</i>
20	ID 75 Caenozoic Gastropods from France; part of the P.G. Moazzo Collection of the Goulandris Natural History Museum <i>Christina Giampali</i>
21	ID 114 Depositional Trends in The Extreme Discovery Deep Environment (Red Sea) <i>Sofia Matsagou, Ioannis Panagiotopoulos, Hara Drinia and Pavlos Avramidis</i>
22	ID 136 The Geological Structure of the wider Samaria Gorge Area, White Mountains, Crete (Greece) – A Comprehensive Review of the Geological Models <i>Emmanouil Manoutsoglou, Ilias Lazos, Emmanouil Steiakakis and Antonis Vadidis</i>
23	ID 138 Krimni-3: A New Lower Pleistocene Vertebrate Site in Mygdonia Basin <i>George Konidaris, Marina Amanatidou, Krystalia Chitoglu, Emmanouil Fragioudakis, Nikos Gerakakis, Vicki Giannakou, Anastasia Gkeme, Christina Kalaitzi, Anastasis Ladas, Christos Tsakalidis, Vaggelis Tsatsalis and Dimitris S Kostopoulos</i>
24	ID 139 An Early Pliocene Monitor Lizard (genus Varanus) from the Locality of Megalo Emvolon (Northern Greece) <i>Chara Drakopoulou, George Georgalis, George Lazaridis and Dimitris S Kostopoulos</i>
25	ID 185 Assessment of the Upper Holocene paleoenvironment and vegetation shifts in the Natura 2000 coastal lagoon Prokopos (W. Greece) <i>Marie Haut-Labourdette, Katerina Kouli, Ioannis Prevedouros, Alexandros Emmanouilidis and Pavlos Avramidis</i>
26	ID 187 Preliminary results on living ostracods in the lacustrine environments of Lake Vegoritis, Greece <i>Valentini Navrozidou, Olga Koukousioura, Peter Frenzel, Maria Triantaphyllou, Pavlos Avramidis, Ioannis Prevedouros, Elina Aidona and George Syrides</i>
27	ID 193 Rhizoliths within aeolianites at the ancient quarry of Stavros, Akrotiri, Chania, Greece <i>Emmanouil Manoutsoglou</i>
28	ID 211 Observations on the Enamel Microstructure of Phanourios minor, The Dwarf Hippo from Aghia Napa, Cyprus <i>Vassilis Noulis, Elizabeth Stathopoulou, George Theodorou and Efthimios Tsialakis</i>
29	ID 238 Dental hypoplasias in the late Miocene hornless rhinocerotid Chilotherium (Mammalia, Rhinocerotidae) from Eurasia <i>Panagiotis Kampouridis, Georgia Svorligkou, Christina Kyriakouli, Nikolaos Kargopoulos, Socrates Roussiakis and Madelaine Böhme</i>
30	ID 276 Variation in Pneumatisation and Brain Expansion in Bovids from the Late Miocene of Greece <i>Dionysia Liakopoulou, Michalis Georgitsis and Socrates Roussiakis</i>

31	ID 314 Conodont Colouration Alteration Index pattern in Greece: A First Attempt to Study its Distribution <i>Christos Georgopoulos, Elizabeth Stathopoulou, Alexandra Zambetaki-Lekkas and Haralambos Kranis</i>
32	ID 359 Undergraduate students ready for micropalaeontology: unravelling the lower Pleistocene palaeoecology of Rio-Antirio Basin <i>Penelope Papadopoulou, Maria Tsoni, Aggelos Arvanitis, Trifon Dougios, Konstantinos Goukos, Anastasia-Maria Kiritsi, Chrisoula Nikolaou, Anastasia Rekouti, Dimitra Theodorakopoulou and George Iliopoulos</i>

S1: Evolving Techniques in the Study of Sediments

33	ID 61 Microbial mat micro-stratification in hot springs environments and their biomineralization processes contributing to travertine deposition, at Aedipsos (Edipsos) area, Euboea (Evia) Island, Greece <i>Christos Kanellopoulos, Vasiliki Lamprinou, Artemis Politis, Panagiotis Voudouris, Ioannis Illiopoulos, Maria Kokkaliari, Leonidas Moforis and Athena Economou-Amilli</i>
34	ID 63 Speleothems in hot spring environment and biomineralization processes by Cyanobacteria, at Aedipsos (Edipsos) area, Euboea (Evia) Island, Greece <i>Vasiliki Lamprinou, Christos Kanellopoulos, Artemis Politis, Panagiotis Voudouris, Ioannis Illiopoulos, Maria Kokkaliari, Leonidas Moforis and Athena Economou-Amilli</i>
35	ID 76 Increased Accuracy of the Photogrammetric UAS Data Processing for the Detection of River Channel and Boulder Dimensions and Displacement after High Severity Floods <i>Konstantinos Gkaidatzoglou, Aliki Konsolaki and Emmanuel Vassilakis</i>
36	ID 98 Depositional Environments, Diagenetic History, Economic and Strategic Importance of the Upper Cretaceous Carbonate Sediments in Ionian Zone (Epirus, Western Greece) <i>Leonidas Moforis, George Kontakiotis, Assimina Antonarakou, Hammad Tariq Janjuhah, Alexandra Zambetakis-Lekkas, Dimitrios Galanakis, Panagiotis Paschos, Christos Kanellopoulos, Sotirios Sboras, Evangelia Besiou and Vasileios Karakitsios</i>
37	ID 168 Sedimentary Facies Analysis and Diagenesis of the Middle-Late Eocene Carbonate Deposits of the Ceno-Tethys Ocean <i>Ahmer Bilal, Renchao Yang, Muhammad Saleem Mughal, Hammad Tariq Janjuhah, Muhammad Zaheer and George Kontakiotis</i>
38	ID 413 Preliminary results of coal examination through Raman Spectroscopy <i>Apostolos Sougioltzis, Konstantinos Perleros, Vayia Xanthopoulou, Stavros Kalaitzidis and Kimon Christanis</i>

T5: Marine Geology and Oceanography

39	ID 14 Assessment of the effect of Posidonia Banquettes on shoreline changes: Preliminary results from the case of Schinias-Marathon National Park, Attica, Greece. <i>Ioannis Kourlaftis, Dimitrios Vandarakis, Vassilis Gerakaris, Yiannis Issaris, Vassilios Kapsimalis, Ioannis Panagiotopoulos and Maria Salomidi</i>
40	ID 324 Sediment transport patterns of coastal areas. The examples of Igoumenitsa Gulf and Volos coast, Greece. <i>Irene Zananiri and Ioannis Vakalas</i>

T7: Economic Geology, Raw Materials, Energy Resources, Circular Economy

41	ID 40 On the Role of Cobalt in the Production of Batteries for Electric Vehicles <i>Effrosyni Varotsou and Michael Stamatakis</i>
42	ID 45 Mineralogy and Geochemistry of the Fe-Oxide Mineralization, Loutraki, north-central Crete, Greece <i>Stavros Triantafyllidis and Nikolaos Katsiavrias</i>
43	ID 53 New insights in the mineralogical characterization and applications of Manganese oxide minerals with porous structure of Drama Mn deposits, Greece. <i>Georgios Soulamidis, Christina Stouraiti, Harilaos Tsikos, Panagiotis Voudouris and Constantinos Mavrogonatos</i>
44	ID 99 Database Design, Implementation and Management of the Greek Lignite Potential <i>Adamantia Chatziapostolou and Markos Xenakis</i>
45	ID 100 Trace elements distribution in sphalerite from epithermal-style veins at the Pagoni Rachi and Konos Hill porphyry/epithermal prospects, NE Greece. <i>Constantinos Mavrogonatos, Panagiotis Voudouris, Vasilios Melfos, Paul G. Spry, Stephan Klemme, Jasper Berndt, Federica Zaccarini, Christina Stouraiti, Konstantinos Soukis and Marianthi Anastasatou</i>
46	ID 112 Framework for the Development of a Mineral Resource Digital Twin <i>Agni Patra, Ioannis Kapageridis, Argyro Asvesta and Ioannis Sinatkas</i>
47	ID 128 Modelling CO ₂ sequestration in alkaline rhyolites: the case studies of Milos active and Antiparos fossilized volcanoes <i>Stilianos Tombros and Joan Papavasiliou</i>
48	ID 129 The isotopic signature of wollastonites in Rhodope Massif (Greece) for CO ₂ sequestration <i>Aikaterini Spiliopoulou, Stylianos Tombros, Stavros Triantafyllidis, Sotirios Kokkalas, Degao Zhai and Joan Papavasiliou</i>
49	ID 147 Mineralogical, petrographic and geochemical study of different steel slag samples used as aggregates <i>Paraskevi Lampropoulou, Aikaterini Rogkala, Petros Petrounias, Spyridon Liogris, Panagiota Giannakopoulou and Nikolaos Koukouzas</i>

50	ID 148 Characterization of spent refractory materials and other by-products of Greek steelmaking for use as raw materials in new refractory or other ceramic syntheses <i>Paraskevi Lampropoulou, Aikaterini Rogkala, Petros Petrounias, Panagiota Giannakopoulou, Konstantinos Lолос, Andreas Chasiotis, Theofani Tzevelekou and Marina Christopoulou</i>
51	ID 192 Improving performance of Mg-Fe-smectite water suspensions by inorganic additives <i>Dimitrios Papadimitriou, Christina Mytiglaki, Dimitrios Vogiatzis and Nikolaos Kantiranis</i>
52	ID 195 Effect of sodium polyphosphates on rheological behavior and filtration properties of Mg-Fe-smectite slurries <i>Dimitrios Papadimitriou, Christina Mytiglaki, Dimitrios Vogiatzis and Nikolaos Kantiranis</i>
53	ID 274 Recycled materials, construction and industrial wastes as aggregates for different types of concrete <i>Petros Petrounias, Panagiota P. Giannakopoulou, Aikaterini Rogkala, Paraskevi Lampropoulou, Eleftheria Antoniou, Christina Fourkalidi, Anna Chronaki, Maria Kalpogiannaki and Nikolaos Koukouzas</i>
54	ID 288 Study of mechanical properties and adsorption capacity of heat-treated smectite clays <i>Paraskevi Velli, Ariadne Argyraki and Vassilios Zotiatis</i>
55	ID 333 Monitoring of Key Parameters of the Neo Erasmio-Magana Geothermal Field <i>Apostolos Arvanitis, Markos Xenakis, Polyanthi Trimis, Marios Amvrazis and Christos Mylonas</i>
56	ID 390 An Innovative Experimental Study of Concrete made with shredded recycled tire rubber: the effect of posidonia balls addition <i>Charalampos Giannakis, Georgios Liapis, Vasileios Mastrokostas, Eleni-Maria Takoumaki, Petros Petrounias, Panagiota P. Giannakopoulou, Aikaterini Rogkala, Petros Koutsovitis, Paraskevi Lampropoulou and Nikolaos Koukouzas</i>
57	ID 421 Petrographical and geochemical features of the Lower (B1) Karstic Bauxite Horizon at Timios Prodromos Outcrop, Parnassos – Ghiona Unit <i>Nikolaos Sofis, Georgia Papapavlou and Stavros Kalaitzidis</i>

T6: Geochemistry, Mineralogy, Petrology and Volcanology

58	ID 17 The Polychnitos Ignimbrite and Other MegaCaldera Stories of the Aegean Sea. <i>Maria Kouli, Lamera Sophia, Karen St.Seymour and Dimitris Zouzias</i>
59	ID 23 Magmatic and late-magmatic geochemical modifications within an evolving geodynamic environment: The case of the Jerissos granites, Macedonia, Greece <i>Charalampos Vasilatos, Angeliki Papoutsas and Christina Stouraiti</i>
60	ID 49 A Comparative Study of Oral Bioaccessibility of potentially toxic elements in soil and house dust from the urban environments of Athens and Volos <i>Evangelia Sigala and Efstratios Kelepertzis</i>
61	ID 52 Granite magma genesis and emplacement conditions within evolving metamorphic core complexes: a case study from the Tinos core complex of Cyclades, Central Aegean, Greece <i>Christina Stouraiti, Angeliki Papoutsas, Konstantinos Soukis and Parthenios Alvanos</i>
62	ID 67 Mineralogical Study of Blue-Lace Agate from Aetochori-Evros, NE Greece <i>Maria Nikopoulou, Lambrini Papadopoulou, Vasilius Melfos and Nikolaos Kantiranis</i>
63	ID 101 Colour and chemical variations in adamite-olivenite solid solution minerals from the Lavrion mines, Attica, Greece. <i>Constantinos Mavrogonatos, Christos Kanellopoulos, Ifigeneia Magremi, Stephan Klemme, Jasper Berndt, Panagiotis Voudouris, Christina Stouraiti, Marianthi Anastasatou, Ioannis Iliopoulos and Vassilis Xanthopoulos</i>
64	ID 106 Assessment of Marl Samples from Kefalonia Island (Western Greece) for their Potential Use in Pelotherapy <i>Emilia Sofianska, Constatinos Athanassoulis, Dimitris Tarenidis and Marietta Gkagka</i>
65	ID 107 Geochemical characterization of the waste dump and mine waters of Kardia lignite mine, Western Macedonia, Greece <i>Konstantina Pyrgaki, Ch. Karkalis, G. Louloudis, Ch. Roumpos, P. Krassakis, N. Koukouzas, E. Mertiri and G. Kasfikis</i>
66	ID 110 Triassic Basic and Intermediate Rift-related Volcanic Rocks from Akritas-Metallikon area, Circum-Rhodope Belt, northern Greece <i>Argyro Asvesta and Sarantis Dimitriadis</i>
67	ID 116 Carbon isotope signature as tracer of deep degassing from big karst aquifers of Greece <i>Lorenza Li Vigni, Carlo Cardellini, Walter D'Alessandro, Sergio Calabrese, Kyriaki Dascalopoulou, Giovanni Chiodini, Stefano Caliro and Francesco Parella</i>
68	ID 182 Major Arsenic contamination hot spots. Two case studies: Thermopyles Spring and Pineios River (Greece) <i>Walter D'Alessandro, Lorenza Li Vigni and Lorenzo Brusca</i>
69	ID 186 Permo-Triassic granitic magmatism in Serbomacedonian massif and Pelagonian zone: comparative geochemical and petrogenetic study of Kerkini, Arnea and Ardassa granites <i>Katerina Panora and Antonis Koroneos</i>
70	ID 205 The Post-Variscan to Pre-Jurassic, Mafic Northern Pelagonian Magmatism: A Comparative Study. <i>Ioanna Gerontidou, Antonios Koroneos and Georgios Vogdopoulos</i>
71	ID 208 Petrology and geochemistry of the Variscan Kastoria pluton

	<i>Ioanna Gerontidou, Antonios Koroneos and Antonia Dretaki</i>
72	ID 247 P-T constraints on upper and lower metamorphic unit rocks from Skyros Island <i>Dimitra Boundi, Ioannis Baziotis, Jasper Bernat and Stephan Klemme</i>
73	ID 270 Mineralogical characterization of Greek zeolitic tuffs and their insect repellent effect on the olive fruit fly <i>Bactrocera (Dacus) oleae</i> <i>Soultana Kyriaki Kovaiou, Anastasia Kokkari, Nikolaos Kouloussis and Nikolaos Kantiranis</i>
74	ID 349 Chromium-Bearing Mineral Phases and Water-Rock/Soil Interaction Process: Insights and Lessons Learned from a Geochemical Modeling Approach <i>Panagiotis Papazotos, Despoina Psarraki, Eleni Vasileiou and Maria Perraki</i>
75	ID 366 Compositional Variability of Epidote-Group Minerals from Black Sands of the Kavala District, Northern Greece. <i>Eftychia Peristeridou, Vasilios Melfos, Lambrini Papadopoulou, Nikolaos Kantrianis and Panagiotis Voudouris</i>
76	ID 381 Mineralogy and fluid inclusion study of the Loutros epithermal mineralization, Rhodope, Greece <i>Margarita Melfou, Panagiotis Voudouris, Vasilios Melfos, Reiner Klemd and Nikolaos Kantiranis</i>

DETAILED AGENDA – DAY 2: TUESDAY 18

KEYNOTE LECTURES (Plenary)		Auditorium I-4
		09:00-10:00
<u>Conveners:</u>	Efthimios Sokos, Paris Xypolias	
09:00-10:30	<i>Mixed-type faulting and non-double-couple earthquakes</i> <u>Jiří Zahradník</u> Prof. of Geophysics, Faculty of Mathematics and Physics, Charles University Prague, Czech Republic	
09:30-10:00	<i>The nappe pile of Crete: Records of orogenic activity since Precambrian times</i> <u>Gernold Zulauf</u> Professor of Geology, Goethe University, Frankfurt a.M., Germany	
T3: Geophysics, Seismology and Geodynamics		Auditorium I-4
		10:15-11:30
<u>Conveners:</u>	George Vargemezis, Efthimios Sokos	
10:15-10:45	ID 431 [Invited] Ground Penetrating Radar: Routine and Novel Applications <u>Nectaria Diamanti</u>	
10:45-11:00	ID 428 Detecting and Mapping the Buried Past: GPR surveys at two Archaeological Sites in Achaea, Greece <u>Zafeiria Roumelioti, Paraskevas Paraskevopoulos, Haris Moustakas, Marios Koilanitis, Efthimios Sokos, Pavlos Avramidis, Konstantina Aktypes and Michalis Gazis</u>	
11:00-11:15	ID 378 Geophysics: A valuable tool for management of bioreactor landfills <u>Ilias Fikos, Florina Chitea, Lucian Pavel and George Vargemezis</u>	
11:15-11:30	ID 422 Exploring the use of magnetic properties of playground sands as a pollution proxy from the broader area of Thessaloniki, Greece <u>Anna Bourliva, Eleni Aidona, Lambrini Papadopoulou, Charalampos Sarafidis and Nikolaos Kantiranis</u>	
S3: The Hellenides: Tectonostratigraphic Terranes, Tectonic Units and Orogenic Evolution		Room I-10
		10:15-11:30
<u>Conveners:</u>	Dimitrios Papanikolaou, Bernhard Grasemann, Paris Xypolias	
10:15-10:45	ID 328 [Invited] Deformation Processes in the Fore-Arc Mantle of the Neo-Tethyan Pindos Ocean, Greece <u>Vasileios Chatzaras, Basil Tikoff, Matthew Foley and Martyn R. Drury</u>	
10:45-11:00	ID 339 Tectono-stratigraphic Terranes and Tectono-metamorphic Belts in the Hellenides: their Geodynamic Interrelations <u>Dimitrios Papanikolaou</u>	
11:00-11:15	ID 123 Structural and strain analysis of the Pelagonian nappe, Ampelakia blue schists and Olympus-Ossa unit (Eastern Thessaly, Central Greece). <u>Ioannis Vrontzos, Adamantios Kiliias and Emmanouil Katrivanos</u>	
11:15-11:30	ID 108 Distinct periods of flysch deposition in the External Hellenides during their geodynamic evolution <u>Maria Triantaphyllou and Dimitrios Papanikolaou</u>	
S6: The Hydrocarbon Prospectivity of SE Mediterranean: Targets and Opportunities		Room I-11
		10:15-11:30
<u>Conveners:</u>	Avraam Zelilidis, Nikolaos Pasadakis, Aristofanis Stefatos	
10:15-10:30	ID 289 Sedimentary Evolution of Miocene Depositional Systems and Their Reservoir Potential in The Thermaikos Basin in Northern Greece <u>Georgios Makrodimitras, Anastasios Nikitas, Dimitrios Ktenas, Angelos Maravelis, Efthimios Tartaras and Aristofanis Stefatos</u>	
10:30-10:45	ID 131 A geochemical analysis of the Neogene diatomites in Western Crete for their hydrocarbon potential <u>Dimosthenis Telemenis, Vagia Ioanna Makri, Emmanouil Manoutsoglou, Nikos Pasadakis and Spyridon Bellas</u>	
10:45-11:00	ID 307 Porosity Distribution Estimation in the Potential CO ₂ Storage Formations of the Mesohellenic Trough, Northern Greece, through 3D Geological Modeling <u>Dimitrios Ktenas, Alexandros Tasianas, Georgios Makrodimitras, Efthimios Tartaras and Aristofanis Stefatos</u>	

11:00-11:15	ID 188 Distribution of Late Miocene turbidites in North Ionian: A potential reservoir level <i>Efthymios Tripsanas and Nikolaos Lykakis</i>
11:15-11:30	ID 201 2D Marine Seismic Acquisition in Block 10 and Ionian Block <i>Panagiotis Gkotsis and Aristotelis Pagioulatos</i>

S2: Quaternary Processes and Geoenvironments in the Active Corinth Rift**Room I-12****10:15-11:30**

<u>Conveners:</u>	Maria Geraga, Katerina Kouli, Lisa McNeill, Georgios Michas
10:15-10:45	ID 303 [Invited] Understanding the Quaternary Evolution of the Corinth Rift from scientific ocean drilling, IODP Expedition 381 <i>Lisa McNeill, Donna Shillington, Casey Nixon, Robert Gawthorpe and Sofia Pechlivanidou</i>
10:45-11:00	ID 35 Unique shifts in the vegetation composition of a typical Mediterranean setting (Gulf of Corinth, Greece) during successive Quaternary climatic cycles <i>Aikaterini Kafetzidou, Eugenia Fatourou, Konstantinos Panagiotopoulos, Fabienne Marret and Katerina Kouli</i>
11:00-11:15	ID 30 Paleoenvironmental changes affecting dinocyst assemblages in the Corinth Gulf (NE Mediterranean Sea) <i>Eugenia Fatourou, Aikaterini Kafetzidou, Fabienne Marret, Konstantinos Panagiotopoulos and Katerina Kouli</i>
11:15-11:30	ID 72 Paleoceanographic conditions within the Corinth rift basin during the last interglacial (MIS 5e) <i>Spiridon Sergiou, Maria Geraga, Sofia Pechlivanidou, Ulysses Ninnemann, Robert Leslie Gawthorpe, Dimitra Antoniou, Dimitra Angelopoulou and Aikaterini Kastana</i>

T11: Geosciences for Society, Education and Geoheritage**Room I-13****10:15-11:30**

<u>Conveners:</u>	Ioannis Iliopoulos, Nikolaos Zouros, Charalampos Fassoulas
10:15-10:30	ID 392 Territories of multiple UNESCO designations management-Cases from China and Europe <i>Junbo Wang and Nikolaos Zouros</i>
10:30-10:45	ID 20 From Clay to Pottery: A Petrographic Study of The Ceramics from The Neolithic Site of Wutaishan in Northeast China. <i>Pauline A. Duval</i>
10:45-11:00	ID 74 3D Geovisualization of petrified tree trunks: The case of Lesvos Geopark <i>Konstantinos Chaidas, Panagiotis Kalaitzis, Nikolaos Soulakellis and Nikolaos Zouros</i>
11:00-11:15	ID 397 Active faulting in northwestern Lesvos and earthquake hazard awareness raising activities in Lesvos Island Unesco global geopark <i>Aggelos Lamprakopoulos and Nikolaos Zouros</i>
11:15-11:30	ID 268 EduSeismArtTec: Education Seismology for the School and the Society – A multidisciplinary approach through innovative theatre education methods and digital technologies. <i>Ioannis Kalogerias, Nikolaos Melis, Maria Rangoussi, Christina Zoniou, Anna Tsichli, Apostolos Kastritsis, Dimitrios Metafas, Angelos Charitopoulos, Panagiotis Monachelis, Vanessa Maragkou, Elias Frentzos and Maria Ziazia</i>

1:30-12:00

COFFEE BREAK**T3: Geophysics, Seismology and Geodynamics****Auditorium I-4****12:00-13:15**

<u>Conveners:</u>	George Vargemezis, Christos Evangelidis
12:00-12:15	ID 245 The North Euboea (Greece) Volcanic Field as Outlined by its Magnetic Anomalies <i>Andreas Tzanis, Stylianos Chailas and Maria Sagredou</i>
12:15-12:30	ID 404 A Comprehensive Moho Surface from Arabia to Italy Based on Gravity Data: Significance on the Geodynamic Regime <i>Stylianos Chailas, Andreas Tzanis and Haralambos Kranis</i>
12:30-12:45	ID 405 An Evaluation of the Magnetic Anomalies of SE Europe in the Context of Active Tectonics <i>Stylianos Chailas, Andreas Tzanis and Haralambos Kranis</i>

12:45-13:00	ID 159 Complex Anisotropy in the Habanero Geothermal Field, Cooper Basin, Australia <u>Ioannis Spingos, Georgios Michas, Vasilis Kapetanidis, George Kaviris and Filippou Vallianatos</u>
13:00-13:15	ID 242 Statistical Seismology in view of Tsallis entropy and Beck-Cohen Superstatistics. A Tutorial. <u>Filippou Vallianatos</u>

S3: The Hellenides: Tectonostratigraphic Terranes, Tectonic Units and Orogenic Evolution

Room I-10

12:00-13:15

<u>Conveners:</u>	Dimitris Papanikolaou, Bernhard Grasemann, Paris Xypolias
12:00-12:15	ID 155 Structural evolution of the Basal Unit (Cycladic Massif, Evia Island) <u>Nikolaos Gerogiannis, Eirini Aravadinou, Vasileios Chatzaras and Paris Xypolias</u>
12:15-12:30	ID 402 Tracking extensional structures and exhumation in the southeast Aegean, Greece <u>Konstantinos Soukis, Daniel Stockli, Bernhard Grasemann, David Schneider, Sofia Laskari, Stylianios Lozios, Christina Stouraiti, Erich Draganits, Vincent Roche and Petros Koutsouvitis</u>
12:30-12:45	ID 255 Differentiation of the structural fabric of the Skyros tectonic units from the Paleo-Alpine to the Alpine orogenic events <u>Dimitra Boundi and Dimitrios Papanikolaou</u>
12:45-13:00	ID 13 A review on thermochronometry of tectonic exhumation – the potential of solid state dosimeters for the Hellenic nappes <u>Constantin Athanassas</u>
13:00-13:15	ID 337 Morphological indicators to revisit the role of post-alpine gravity tectonics in the external Hellenides <u>Simon Bufféral, Manuel Pubellier, Haralambos Kranis and Emmanuel Skourtos</u>

S6: The Hydrocarbon Prospectivity of SE Mediterranean: Targets and Opportunities

Room I-11

12:00-13:15

<u>Conveners:</u>	Avraam Zelilidis, Nikolaos Pasadakis, Aristofanis Stefatos
12:00-12:15	ID 34 The Lower Cretaceous “Vigla” shales potentiality to be source rocks in Ionian Basin based on TOC geochemical analysis, Greece <u>Nicolina Bourli, Nikolaos Pasadakis, Eleni Chamilaki, Maria Sianni and Avraam Zelilidis</u>
12:15-12:30	ID 196 Understanding the source rocks in Ionian and pre-Apulian units in western Greece – A review and steps ahead <u>Ioannis Oikonomopoulos, Stavros Kalaitzidis, Thomas Gentzis and Kimon Christanis</u>
12:30-12:45	ID 191 Preliminary Results of a Biomarker Study of the Upper Triassic – Lower Jurassic Source Rocks in Ionian Zone, Epirus, NW Greece <u>Ioannis Alexandridis and Lorenz Schwark</u>
12:45-13:00	ID 309 Source rock potential and spatial distribution of the pre-Evaporite sedimentary succession of the central Mediterranean Ridge: Evidence from mud volcanic deposits and seismic data <u>Anastasios Nikitas, Georgios Makrodimitras, Maria Triantaphyllou, Nikolaos Pasadakis, Kimon Christanis, Stavros Kalaitzidis, Grigoris Rousakis, Ioannis Panagiotopoulos, Alexandra Gogou, Alexandros Papadopoulos, Efthimios Tartaras and Aristofanis Stefatos</u>
13:00-13:15	ID 294 An integrated approach for the thermal maturity modelling re-assessment of the AY-3 well, Arta-Preveza exploration block, Western Greece <u>Georgia Moschou, Vagia Ioanna Makri, Nikos Pasadakis and Spyridon Bellas</u>

S2: Quaternary Processes and Geoenvironments in the Active Corinth Rift

Room I-12

12:00-13:00

<u>Conveners:</u>	Maria Geraga, Katerina Kouli, Lisa McNeill, Georgios Michas
12:00-12:15	ID 27 Did the Gulf of Corinth become a Black Sea-type basin during late Quaternary glacial periods? <u>Fabienne Marret, Eugenia Fatourou, Akaterina Kafetzidou, Kostas Panagiotopoulos and Katerina Kouli</u>
12:15-12:30	ID 297 Variations of Seismic Moment and Strain Rates within the Active Corinth Rift and Implications for Seismic Hazard <u>Georgios Michas, Casey Nixon, Lisa McNeill and Donna Shillington</u>

12:30-12:45	ID 130 Controls on deep-water, syn-rift stratigraphic development of the Corinth Rift; the role of rift segment boundaries <i>Sofia Pechlivaniidou, Robert Gawthorpe, Natacha Fabregas, Mary Ford, Richard Collier, Gareth Carter, Lisa McNeill, Donna Shillington and Martin Muravchik</i>
12:45-13:00	ID 69 The middle Pleistocene evolution of Rio basin the western active margin of Corinth rift <i>Maria Tsoni, Ioannis Koukouvelas, Pavlos Avramidis, Avraam Zelilidis and George Iliopoulos</i>
T11: Geosciences for Society, Education and Geoheritage	Room I-13 12:00-13:15
<u>Conveners:</u>	Ioannis Iliopoulos, Nikolaos Zouros, Charalampis Fassoulas
12:00-12:15	ID 180 Developing a Seismic Scenario for the Arsakeia School Area of Patras in the context of the "School Seismology" Educational Program <i>Olga Stavroulopoulou G. Anagnostopoulos, M. Avramidi, E. Zampakis, S. Katsampas-Papageorgakopoulos, A. Apostolopoulou, P. Galiotou, A. Georganta, M Korfati, E. Kamperou, S. Karpi, M. Papanikolaou</i>
12:15-12:30	ID 304 The lignite's industrial heritage preservation as an opportunity to develop an international center of energy and environmental education in Western Macedonia, Greece <i>Agni Patra, Nestor Karamarkos, Ioannis Kapageridis and Francis Pavloudakis</i>
12:30-12:45	ID 371 Research Priorities and Life Cycle of the Surface Coal Mining in Greece: A Statistical and Knowledge-Based Approach <i>Christos Roumpos, Francis Pavloudakis, Philip Spanidis, Aikaterini Servou and Nikolaos Paraskevis</i>
12:45-13:00	ID 338 Developing Knowledge Management in Mine Reclamation Projects <i>Philip Mark Spanidis, Christos Roumpos, Francis Pavloudakis, Aikaterini Servou and Nikolaos Paraskevis</i>
13:00-13:15	ID 373 A Knowledge Representation Ontology for Mining Operations and Reclamation Projects <i>Philip Spanidis, Christos Roumpos, Francis Pavloudakis, Nikolaos Paraskevis and Aikaterini Servou</i>

13:15-14:30	LUNCH BREAK
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T3: Geophysics, Seismology and Geodynamics	Auditorium I-4 14:30-16:00
<u>Conveners:</u>	Christos Evangelidis, Zafeiria Roumelioti
14:30-14:45	ID 281 Site-Effect Studies Through the Joint Inversion and Interpretation of Earthquake and Noise Data in South-Central Santorini Island <i>Nikos Chatzis, Andrés Olivar-Castaño, Costas Papazachos, Matthias Ohrnberger, Panagiotis Chatzidimitriou, Nikos Theodoulidis, Marios Anthymidis and Chrisa Ventouzi</i>
14:45-15:00	ID 298 Preliminary Results for The Near-Surface Geophysical Structure in Urban Environment By Ambient Noise Tomography: Integrating Two Ambient Noise Arrays For The Metropolitan Area Of Thessaloniki (Northern Greece) <i>Marios Anthymidis, Costas Papazachos, Nikos Chatzis and Chrisa Ventouzi</i>
15:00-15:15	ID 424 The good, the bad and the ugly: Computing high-frequency attenuation from otherwise unusable seismic recordings thanks to noise modelling <i>Erion-Vasilis Pikoulis and Olga-Joan Ktenidou</i>
15:15-15:30	ID 356 Seismic Hazard Deaggregation with The Use of Random Catalogues: An Application for The Broader Aegean Area <i>Athanasia Kerkenou, Costas Papazachos, Basil Margaris and Christos Papaioannou</i>
15:30-15:45	ID 246 Methana volcanic observatory: A seismic network to monitor seismicity and volcanic activity <i>Christos Evangelidis, Efthimios Sokos, Ioannis Fountoulakis, Faidra Gkika, Stamatina Kanakaki, Anastasios Thermos, Kyriakos Kontakos and Spyros Liakopoulos</i>
15:45-16:00	ID 202 Locating Local and Regional Earthquakes Using Distributed Acoustic Sensing (DAS) On A Fibre-Optic Cable as a Seismic Array <i>Konstantinos Lentas, Daniel Bowden, Nikolaos Melis, Andreas Fichtner, Maria Koroni, Krystyna Smolinski, Adonis Bogris, Thomas Nikas, Christos Simos and Iraklis Simos</i>

T2: Structural Geology and Tectonics		Room I-10
		14:30-16:00
<u>Conveners:</u>	Sotirios Kokkalas, Ioannis Papanikolaou, Markos Tranos	
14:30-14:45	ID 93 Is the Mesochori Fault a key structure for understanding the earthquake activity during the 2021 Damasi earthquake in the NW Thessaly, Greece? <i>Ioannis Koukouvelas, Riccardo Caputo, Konstantinos Nikolakopoulos, Sotiris Verroios and Vasiliki Zygouri</i>	
14:45-15:00	ID 320 Revisiting active faulting in Northern Greece: E-W and NW-SE trending structures. <i>Ioannis Papanikolaou, Pavlos Dafnis, Georgios Deligiannakis, James Hengesh, Anestis Panagopoulos, Evriviades Lymperis</i>	
15:00-15:15	ID 167 Late orogenic basement faults and their control on active fault segmentation and seismic hazard of the Serbomacedonian massif, Central Macedonia (Northern Greece). <i>Markos Tranos, George Georgiadis, Petros Neofotistos, Anastasios Plougarlis</i>	
15:15-15:30	ID 334 The East Tower of the Phyle Fortress: A Deformation Pattern Suggesting an additional contributing factor to the ground motion of Athens 1999 earthquake <i>Isidoros Kampolis, Evangelos Kamperis, Ioannis Vakalas, Stavros Triantafyllidis and Theodora Georgousopoulou</i>	
15:30-15:45	ID 144 Fracture attributes variability and distribution of fracture network from digital outcrops in the Upper Cretaceous Kruja carbonate platform (Dinarides, Montenegro). <i>Sotirios Kokkalas, Richard Jones, Sebastian Gilment, George Panagopoulos, Panagiotis Konstantopoulos, Leonidas Gouliotis and Dennis Anestoudis</i>	
15:45-16:00	ID 382 Fine slope geomorphology and fracture mapping using imagery acquired by a UAV: an example of Avlakia area, Samos Island. <i>Ioannis Vakalas and Irene Zananiri</i>	
S6: The Hydrocarbon Prospectivity of SE Mediterranean: Targets and Opportunities		Room I-11
		14:30-15:15
<u>Conveners:</u>	Avraam Zelilidis, Nikolaos Pasadakis, Aristofanis Stefatos	
14:30-14:45	ID 400 In-situ assessment of the baseline ambient noise levels in the Ionian Sea. Reanalysis of acoustic monitoring data acquired during the HELPE's 2D/3D Marine Seismic Surveys, 2016-2022 <i>Elias Fakiris, George Papatheodorou, George Mikoniatis, Yannis Vavassis, Dimitris Christodoulou, Nikos Georgiou and Xenophon Dimas</i>	
14:45-15:00	ID 419 Palaeoenvironmental settings and hydrocarbon generation potential of Upper Cretaceous organic-rich layers in Parnassos-Ghiona Unit <i>Maria-Elli Damoulianou, Stavros Kalitzidis and Nikolaos Pasadakis</i>	
15:00-15:15	ID 48 Upper Triassic to lower Jurassic Plattenkalk series, south Peloponnesus and Crete Island, could represent source rocks <i>Nicolina Bourli, Nikolaos Pasadakis, George Iliopoulos, George Makrodimitras, Anastasios Nikitas, Aristofanis Stefatos and Avraam Zelilidis</i>	
T9b: Hydrogeology		Room I-11
		15:30-16:00
<u>Conveners:</u>	George Panagopoulos, Eleni Zagana, Andreas Kallioras	
15:30-16:00	ID 213 [Invited] Need for a holistic approach to groundwater exploration <i>Dimitra Rapti</i>	
T10: Environmental Geosciences and Climate Change		Room I-12
		14:30-16:00
<u>Conveners:</u>	Maria Geraga, Konstantinos Vouvalidis, Katerina Kouli	
14:30-14:45	ID 162 Groundwater level dynamics of the Messara Basin, Crete Island <i>Ioannis Michalakis, Eleni Tsolaki, Konstantinos Loupasakis, Konstantinos Voudouris and Haris Kontoes</i>	

14:45-15:00	ID 308 CCS Development Barriers and Way Forward: Road Map for CCS Deployment at National and EU levels <i>Ismail Ismail, Theodoros Sketopoulos, Eftimios Tartaras, Dimitrios Ktenas and Aristofanis Stefatos</i>
15:00-15:15	ID 313 Hydrogen deployment: The EU's Pathway to Accelerate Net Zero Emission Target <i>Effie Dimou, Evangelos Kaikas, George Makrodimitras, Eftimios Tartaras and Aristofanis Stefatos</i>
15:15-15:30	ID 331 Estimating Morphometric Parameters and Shoreline Evolution of the Kotychi Lagoon Using Remote Sensing Techniques <i>Dionysios Giannikopoulos, Konstantinos Nikolakopoulos and Dionysios Apostolopoulos</i>
15:30-15:45	ID 348 Paleoenvironmental Assessment of Bottom Waters of Amvrakikos Gulf through the Study of Foraminifera <i>Amalia Prandekou, Maria Geraga, Elissavet Dotsika, Dimitris Christodoulou, George Ferentinos, Constantin Koutsikopoulos and George Papatheodorou</i>
15:45-16:00	ID 408 9.1 ka record of paleoenvironmental variability in the South Aegean region. A case study from Astypalea island combining seismic stratigraphy and sediment core proxies. <i>Alexandra Noti, Maria Geraga, Lucas Lourens, Frank Wesselingh, Negar Haghipour, Nikos Georgiou, Spyros Sergiou, Dimitris Christodoulou, Xenophon Dimas, Andreas Vlachopoulos, Evangelou, Foukas and George Papatheodorou</i>

Room I-13

14:30-16:00

<u>Conveners:</u>	Charalampos Fassoulas, Georgios Iliopoulos, Nikolaos Zouros
14:30-14:45	ID 235 The First Geoheritage Inventory and Assessment in the Lefka Ori Mts, Crete, Greece <i>Charalampos Fassoulas, Aikaterini Pavlaki and Vasilios Perleros</i>
14:45-15:00	ID 384 Enhancement and Promotion of The New Fossiliferous Sites Along the New Kalloni Sigri Road – An Example of Good Practice of Geoconservation in Lesvos Island UNESCO Global Geopark Greece <i>Nikolaos Zouros, Nikolaos Soulakellis, Ilias Valiakos, Konstantina Bentana, Eleni Theodorou, Efstratios Zgournios, Emmanouil Antonakis and Aggelos Lamprakopoulos</i>
15:00-15:15	ID 418 Links between geodiversity and flora diversity for the provision of ecosystem services at the Chelmos-Vouraikos UNESCO Global Geopark <i>Eleni Koumoutsou, George Iliopoulos, Ioannis P. Kokkoris, Maria Tsakiri, Penelope Papadopoulou, Maria Panitsa and Panayotis Dimopoulos</i>
15:15-15:30	ID 70 Intangible Geoheritage: Preservation of traditions within the geo-environment in the Geopark Grevena-Kozani, Greece <i>Anne Ewing Rassios and Constantina Ghikas</i>
15:30-15:45	ID 119 Quantitative Assessment of the Geosites of Chelmos-Vouraikos UNESCO Global Geopark (Greece) <i>Vasilis Golfinopoulos, Penelope Papadopoulou, Eleni Koumoutsou, Nickolas Zouros, Charalampos Fassoulas, Avraam Zelilidis and George Iliopoulos</i>
15:45-16:00	ID 141 Nisyros Aspiring UNESCO Global Geopark: Crucial Steps for Promoting the Volcanic Landscape's Unique Geodiversity. <i>Paraskevi Nomikou, Dimitris Panousis, Elisavet Nikoli, Dimitris Emmanouloudis, Panagiotis Nastos, Varvara Antoniou, George Pehlivanides, Marios Agiomavritis and Aristides Batis</i>

16:00-16:30

COFFEE BREAK

<u>Conveners:</u>	Costas Papazachos, Christos Evangelidis
16:30-16:45	ID 391 Tectonic Settings and Neo-Tectonics of the Aegean Sea Deduced from Satellite Altimeter and Gravity Data <i>Khalid Zahran</i>
16:45-17:00	ID 278 Moderate to Strong recoded earthquakes during 2020-2022 in the Hellenic peninsula and neighbouring regions. <i>Andreas Karakonstantis, Panayotis Papadimitriou, Vasilis Kapetanidis, George Kaviris, Nicholaos Voulgaris and Ioannis Kassaras</i>

Auditorium I-4

16:30-18:00

17:00-17:15	ID 215 The evolution of recent seismicity in the Ionian Islands (W. Greece) with implications on seismic hazard assessment <i>Vasilis Kapetanidis, George Kaviris, Ioannis Springos, Ioannis Kassaras, Vassilis Sakkas, Danai Kazantzidou-Firtinidou, Spyridon Mavroulis, Michalis Diakakis, John Alexopoulos, Spyridon Dilalos, Emmanuel Vassilakis, Evelina Kotsi, Gerasimos-Akis Tselenitis, Efthymis Lekkas and Nicholas Voulgaris</i>
17:15-17:30	ID 207 The 12 October 2021, Mw=6.3, offshore Zakros (Crete) earthquake <i>Charikleia Gkarlaouni, Konstantinos Lentas, Nikolaos Kalligeris and Nikolaos Melis</i>
17:30-17:45	ID 277 Microseismicity in Mesara Basin, Crete: Observations from a local seismic monitoring network <i>Eleni Dafnioti, George Chatzopoulos, Stella Pytharouli, Filippos Vallianatos, George Hloupis and Rebecca Lunn</i>
17:45-18:00	ID 423 The January 2022 Florina (Northwestern Greece) Earthquake: Source Process and Interactivity of Active Tectonics and CO ₂ Gas Emissions <i>Nikolaos Vavlas, Anastasia Kiratzi and Zafeiria Roumelioti</i>

T2: Structural Geology and Tectonics**Room I-10****16:30-18:00**

<u>Conveners:</u>	Sotirios Kokkalas, Ioannis Papanikolaou, Markos Tranos
16:30-16:45	ID 166 What is the proper Misfit Angle for the stress inversion of heterogeneous fault-slip data? <i>Markos Tranos</i>
16:45-17:00	ID 212 Can 'old' geological maps from IGME be structurally rejuvenated with Geographic Information System software? <i>Petros Neofotistas, Anastasios Plougarlis, Maria Savvidou and Markos Tranos</i>
17:00-17:15	ID 154 Structural evolution and fabric-forming amphiboles in the Cycladic Blueschists <i>Paris Xypolias, Nikolaos Gerogiannis, Eirini Aravadinou and Vasileios Chatzaras</i>
17:15-17:30	ID 164 Structural Analysis of the Granodiorite of Palioamariza in Lavrio (Attiki, Greece) and the Associated Secondary Uranium Mineralization. <i>Panagiotis Karoutsos and Sotirios Kokkalas</i>
17:30-17:45	ID 335 Preliminary results on the geological and structural setting of the Mamonia Complex in SW Cyprus <i>Antriani Varnava, Alexandros Chatzipetros, Emmanouil Katrivanos, Lambrini Papadopoulou and Adamantios Kilias</i>
17:45-18:00	ID 145 Reservoir-Scale Fracture network variation computed from 3D cross-section restoration in Jebel Hafeet anticline, UAE. <i>Sotirios Kokkalas and Miltiadis Zampos</i>

T9b: Hydrogeology**Room I-11****16:30-18:00**

<u>Conveners:</u>	George Panagopoulos, Eleni Zagana, Andreas Kallioras
16:30-16:45	ID 200 The impacts of drought on groundwater resources in the Upper Volturno basin, Southern Italy <i>Maria Margarita Ntona, Gianluigi Busico, Micol Mastrocicco and Nerantzis Kazakis</i>
16:45-17:00	ID 152 Hydrochemical regime of the fractured rock aquifer of Simonos Petra Monastery, Holy Mountain <i>Nerantzis Kazakis</i>
17:00-17:15	ID 295 Groundwater Modelling and Data Dependence: Getting Insight on the Simulated Processes Through Fit-Independent Statistics <i>Christos Pouliaris, Efthymios Chrysanthopoulos, Martha Perdikaki, Evgenia Koltsida, Christos Myriounis, Konstantinos Markantonis and Andreas Kallioras</i>
17:15-17:30	ID 248 SAMY II Project. Borehole Inventory for Drawing Water and Groundwater Resources in Greek Territory. Koronia's Ground Water Body Case Study. <i>Christos Christidis, Panagiotis Sabatakakis, Stella Chatzidima, Konstantinos Gardiakos, Argirios Kouskouras, Christoforos Papadopoulos, Marieta Theodoropoulou, Eleni Tsolaki, Maria Tzima and Maria Lazaridou</i>
17:30-17:45	ID 344 The evidence of potential correlation hydrocarbons and thermal-mineral water: Kyllini's Baths, NW Peloponnese, Greece <i>Vasiliki Stavropoulou, Eleni Zagana, Nikolaos Lambrakis and George Iliopoulos</i>

S7: Remote Sensing Techniques in Geohazards		Room I-12
		16:30-18:15
<u>Conveners:</u>	Sotiris Valkaniotis, Emmanuel Vassilakis, George Papathanassiou	
16:30-16:45	ID 329 Detection and Monitoring of Post-fire Landslides and Soil Movement Using UAS and t-LiDAR <i>Georgios Deligiannakis, Ioannis Papanikolaou, Simoni Alexiou, Aggelos Pallikarakis, Aristeidis Mertzanis, Emmanouil Psomiadis and Klaus Reicherter</i>	
16:45-17:00	ID 296 Remote Sensing, GIS and Hydrologic Analysis System for Potential Dam Breach Evaluation and Landslide Mapping in Crete <i>Emmanouil Psomiadis, Lefteris Tomanis, Andreas Papazachariou, Antonis Kavvadias, Konstantinos Soulis, Nikos Charizopoulos, Simoni Alexiou and Ioannis Papanikolaou</i>	
17:00-17:15	ID 394 Towards the compilation of a landslide inventory in East Macedonia and Thrace region, Greece <i>Sotiris Valkaniotis, George Papathanassiou, Maria Taftoglou, Nikolaos Klimis and Ioannis Dokas</i>	
17:15-17:30	ID 19 Object-based landslide mapping using ML and UAS photogrammetric products <i>Efstratios Karantanellis, Vassilis Marinos, Emmanuel Vassilakis and George Papathanassiou</i>	
17:30-17:45	ID 80 Engineering geological investigation, using UAV, of extensive landslide phenomena in Tymfristos – Evritania along the road network of Lamia – Karpenisi. <i>Themistoklis Chatzitheodosiou, Vassilios Marinos, Efstratios Karantanellis and George Papathanassiou</i>	
17:45-18:00	ID 57 Combination of close-range remote sensing data (TLS and UAS) and techniques for structural measurements across the deformation zone of the Ionian thrust in Zakynthos Isl. <i>Emmanuel Vassilakis, Aliko Konsolaki, Stelios Petrakis, Evangelia Kotsi, Christos Fillis, Maria Triantaphyllou, Asimina Antonarakou and Efthymios Lekkas</i>	
18:00-18:15	ID 222 Landslide and rockfall investigation and mitigation design in complex natural slopes based on modern 3D reality capture technologies <i>Vassilis Marinos, Ioannis Farmakis, Themistoklis Chatzitheodosiou, Dimitra Papouli, Georgios Stoumpos, Efstratios Karantanellis and Georgios Prountzopoulos</i>	
S9a: Geoheritage, Geoconservation, Geoeducation, Geoethics		Room I-13
		16:30-18:00
<u>Conveners:</u>	Hara Drinia, Nikolaos Zouros, Asimina Antonarakou	
16:30-16:45	ID 51 Introducing Interdisciplinary Innovative Techniques for Mapping Karstic Caves <i>Aliko Konsolaki, Emmanuel Vassilakis, Evangelia Kotsi, Georgios Kontostavlos, Efthymios Lekkas, Maria Stavropoulou and Ioannis Giannopoulos</i>	
16:45-17:00	ID 88 Educational Proposal for Geology Through Walk Trails in The Urban Environment of Palaio Faliron In Athens, Greece <i>George Kontokostas, Assimina Antonarakou, Hara Drinia, Charalampos Vasilatos and Stylianos Lozios</i>	
17:00-17:15	ID 95 Geoconservation management in geoparks: The case of Vikos-Aoos (Greece) and Arouca (Portugal) UNESCO Global Geoparks <i>Alexandra Koliou, Hara Drinia, Nikolas Zouros and Jose Brilha</i>	
17:15-17:30	ID 140 National Geological Park of Nea Kameni Volcano, Santorini, Greece: A profound update of the touristic services provided to the visitors of the world-famous volcano <i>Paraskevi Nomikou, Stavroula Kazana, Varvara Antoniou, George Pehlivanides, Pavlos Krassakis, Kyriaki Drymoni, Dimitris Panousis, Elisabet Nikoli, Marios Agiomavritis and Aristides Batis</i>	
17:30-17:45	ID 163 From Kallimarmaron Stadium... to the Odeon of Herodes Atticus–Herodeion - A geotouristic trail in the city of Athens <i>Fani Tripolitsiotou and Hara Drinia</i>	
17:45-18:00	ID 189 3D Geovisualization of Bali Alonia Park in Lesvos Geopark <i>Stavros Proestakis, Ermioni Eirini Papadopoulou, Nikolaos Zouros and Nikolaos Soulakellis</i>	

18:00-19:15	Poster Presentations
T3: Geophysics, Seismology and Geodynamics	
1	ID 26 The geophysical identification of lateritic bauxite formation at Mandra area, Attiki (Greece)

	<i>Ioannis Konstantinos Giannopoulos, John D. Alexopoulos, Spyridon Dilalos, Vasileios Gkosios, Georgia Mitsika, Michael Stamatakis and Nikolaos Voulgaris</i>
2	ID 31 Determination of the subsurface geological regime and geotechnical characteristics at the area of Goudi (Athens, Greece) derived from geophysical measurements <i>Vasileios Gkosios, John D. Alexopoulos, Ioannis Konstantinos Giannopoulos, Georgia Mitsika, Spyridon Dilalos, Ioannis Barbaresos and Nikolaos Voulgaris</i>
3	ID 36 Probabilistic Seismic Hazard Assessment for the islands of the Administrative Region of Attica (Greece) <i>George Kaviris, Angelos Zymvrugakis, Ioannis Spinos, Vasilis Kapetanidis, Ioannis Kassaras, Spyridon Mavroulis, Evelina Kotsi, Efthymis Lekkas and Nicholas Voulgaris</i>
4	ID 62 Preliminary results of near-surface geophysical survey in Lefkada town (Greece). <i>Georgia S. Mitsika, John D. Alexopoulos, Ioannis Konstantinos Giannopoulos, Vasileios Gkosios, Spyridon Dilalos, Christos Filis, Emmanuel Vassilakis, George Kaviris, Vassilis Sakkas and Nikolaos Voulgaris</i>
5	ID 127 Normal faulting for five of the ten strong ($Mw \geq 6.0$) earthquakes that occurred during the last 5 years in the Aegean <i>Sotiris Sboras, Dimitris Galanakis, Ilias Lazos, Evangelos Mouzakiotis, Vassilios Karastathis and Spyros Pavlides</i>
6	ID 149 Spatial analysis of seismic noise estimation on Italy by statistical methods: a comparison with the magnitude completeness map <i>Maria Catania, Giovanni Vitale, Anna Figlioli and Antonino D'Alessandro</i>
7	ID 150 The earthquake monitoring network in Taiwan: general considerations about its coverage and performance <i>Salvatore Scudero, Antonino D'Alessandro and Anna Figlioli</i>
8	ID 174 Estimating the ground motion frequency response with the use of mean normalized spectral acceleration <i>Georgios Chatzopoulos</i>
9	ID 230 Frequency Magnitude Distribution of Aftershock Sequences Related to Major Subduction Zone Worldwide Earthquakes in Terms of Tsallis Entropy <i>Eleni-Apostolia Anyfadi, Sophia-Ekaterini Avgerinou, Georgios Michas and Filippos Vallianatos</i>
10	ID 231 Study of the Frequency Magnitude Distribution of recent Aftershock Sequences of Earthquakes in Greece, in Terms of Tsallis Entropy. <i>Sophia-Ekaterini Avgerinou, Eleni-Apostolia Anyfadi, Georgios Michas and Filippos Vallianatos</i>
11	ID 237 On the VES over a Complex Fractal Layered Medium. Preliminary Results. <i>Ioannis Zanesis and Filippos Vallianatos</i>
12	ID 267 Damage distribution of a recent (2016, M5.3) and a historical mainshock (1898, M6.3) in the area of Ioannina using a finite fault stochastic simulation approach <i>Michail Ravnalis, Charalampos Kkallas and Constantinos Papazachos</i>
13	ID 301 The non-Gaussian characteristics of Seismic S-Coda Waves on Mars in terms of Tsallis Statistics. <i>Melina Bantouvaki, Filippos Vallianatos and Foivos Karakostas</i>
14	ID 312 Local site effects investigation in Durres city (Albania) using ambient noise, after the Nov. 26, 2019 (Mw6.4) destructive earthquake <i>Nikos Theodoulidis, Edmond Dushi, Llambro Duni, Ioannis Grendas, Areti Panou, Neki Kuka, Ardit Hajrullai and Rexhep Koci</i>
15	ID 323 Seismic Hazard maps of Aitolo-Akarnania Prefecture based on Deterministic Seismic Hazard Methodology <i>Epameinondas Lyros, Zafeiria Roumelioti, Konstantinos Nikolakopoulos and Efthimios Sokos</i>
16	ID 360 Rheological Modelling of the 26 November 2019 Durres Epicentral Area <i>Davide Russo, Massimiliano Maggini and Riccardo Caputo</i>
17	ID 379 Evaluation of the Damasi earthquake environmental effects by using the ESI-2007 intensity scale <i>Evdokia Papadopoulou, Alexandros Chatzipetros and Spyridon Pavlides</i>
18	ID 396 Seismic Source Spectrum estimation, for the January 26, 2014, Cephalonia earthquake (Mw~6.1), based on Coda wave analysis. <i>Ioannis Grendas, Nikolaos Theodoulidis, Fabrice Hollender and Panagiotis Hatzidimitriou</i>
19	ID 410 Evaluation of the Hellenic Arc seismic monitoring network <i>Salvatore Scudero, Antonino D'Alessandro, Anna Figlioli and Giovanni Vitale</i>
20	ID 425 Turning a linear geometry force balance accelerometer to a broad-band seismometer: Design, modelling, and evaluation <i>Nikolaos Germenis, Georgios Dimitrakakis, Efthimios Sokos and Pantelis Nikolakopoulos</i>
21	ID 426 A New Force Balance Accelerograph for Earthquake and Structural Monitoring Based On A Linear Geometry Accelerometer <i>Nikolaos Germenis, Dimitrakakis Georgios, Efthimios Sokos and Pantelis Nikolakopoulos</i>
22	ID 430 Non-linear site response during earthquakes sequence on early March 2021 in Thessaly (central Greece): analysis of strong motion data and synthetics <i>Tatyana Novikova, Evangelos Mouzakiotis, Vassilis Karastathis and Gerasimos Tselentis</i>

S3: The Hellenides: Tectonostratigraphic Terranes, Tectonic Units and Orogenic Evolution

23	ID 125 Formation and deformation of Triassic skarn (Uppermost Unit, Crete/Greece) <i>Gernold Zulauf, Axel Gerdes, Jochen Krahl, Jolien Linckens, Horst Marschall, Leo Millonig, Nicolas Neuwirth, Rainer Petschick, Jörg Pfänder and Paris Xypolias</i>
24	ID 158 Structural evolution of high-pressure shear zones in the Cycladic Blueschists (Cycladic Massif, Syros Island) <i>Eirini Aravadinou, Nikolaos Gerogiannis and Paris Xypolias</i>
25	ID 160 Deformation conditions and kinematics of a crustal-scale shear zone (Cycladic Massif, Ios Island): insights from quartz microstructures and petrofabrics <i>Konstantinos Apostolos Tsourtis, Nikolaos Gerogiannis, Eirini Aravadinou and Paris Xypolias</i>
26	ID 317 Eohellenic subduction and Alpine collision of Permo-Triassic rocks of the Preveli nappe (Uppermost Unit, Crete): Constraints on the age and kinematics of deformation <i>Nicolas Neuwirth, Gernold Zulauf, Richard Albert, Axel Gerdes, Dominik Hezel, Jochen Krahl, Julien Linckens, Reiner Petschick, Jörg Pfänder and Paris Xypolias</i>

S6: The Hydrocarbon Prospectivity of SE Mediterranean: Targets and Opportunities

27	ID 90 Nodular and bedded cherts as potential hydrocarbon source rocks in the Ionian Zone, Western Greece <i>Emmanouil Manoutsoglou, Nickos Rigakis, Tassos Thanos, Vagia-Ioanna Makri and Nikos Pasadakis</i>
28	ID 239 Biostratigraphic and palaeoecological study of the Jurassic - Cretaceous shale formations, north of Petousi fault in Epirus <i>Vasilis Golfinopoulos, Avraam Zelilidis, Assimina Antonarakou and George Iliopoulos</i>
29	ID 386 Organic geochemical signatures of the Upper Miocene (Tortonian - Messinian) sedimentary succession onshore Crete Island, Greece <i>Angelos G. Maravelis, George Kontakiotis, Spyridon Bellas, Assimina Antonarakou, Chrysanthos Botziolis, Hammad Tariq Janjuhah, Panayota Makri, Pierre Moissette, Jean Jacques Cornee, Nikolaos Pasadakis, Emmanouil Manoutsoglou, Avraam Zelilidis and Vasileios Karakitsios</i>

T11: Geosciences for Society, Education and Geoheritage

30	ID 134 Geodidactics and CLIL: Synthesizing a syllabus for the ELT classroom through games, stories and technology <i>Anastasia Bozatzi and Argyrios Periferakis</i>
31	ID 325 The Virtual Tour of the Giannoula Aqueduct Trail (West Parnes Mountain, Attica) as an Educational Tool <i>Isidoros Kampolis and Theodora Georgousopoulou</i>
32	ID 330 Contribution of Remote Sensing in geoheritage management at two scales <i>Zoe Pantazopoulou, Vasileios Tsiontas, Antonios Mouratidis and Dimitrios Alexakis</i>
33	ID 340 Teaching Field Geology in the Digital Age <i>Vasileios Chatzaras, Sara Polanco, Youseph Ibrahim and Patrice F. Rey</i>
34	ID 341 Space and STEM Education at school: the contribution of ESERO Greece and the opportunities for Geodidactics <i>Antonios Mouratidis, Nikos Lambrinos, Ioanna Repanidou, Zoe Pantazopoulou and Anastasios Nikolaidis</i>
35	ID 343 Towards the Establishment of a Natural History Exhibition and Paleontological Park at Isioma Karyon in Megalopolis (Peloponnese, Arcadia, Greece). <i>Ioannis Giaourtsakis, Panagiotis Filis, Stamatina Sklavounou, Michail Georgitis, Dionysia Liakopoulou, Stamatis Kirdis, Eirini Koumoutsea, Nikolaos Tsoukalas, Spyridoula Saltapida, Efterpi Koskeridou and George Theodorou</i>
36	ID 345 Recycling at the Upper Palaeolithic: intentionally modified bones from Melitzia Cave, Mani Peninsula, Greece (preliminary results) <i>Marianthi Tzortzi, George Iliopoulos and Andreas Darlas</i>
37	ID 347 Geological Heritage of Chios Island <i>Evgenia Moraiti, Vasiliki Barsaki, Irene Zananiri, George Chalatsis, George Kakaris and Konstantinos Magkos</i>
38	ID 409 Applications of photogrammetry in geosciences: a proposed methodology for educational purposes and a virtual geological museum <i>Vasileios Giamas, Michail Giannopoulos, Lemonia Kalantzi, Panagiota P. Giannakopoulou, Aikaterini Rogkala, Maria Kalogiannaki and Petros Petrounias</i>
39	ID 429 Earth Raw materials and the development of environmental awareness through the Science and Technology Museum (STM), University of Patras, Greece <i>Penelope Theologi-Gouti, Maria Kokkaliari and Ioannis Iliopoulos</i>

S9b: Achieving Sustainable Development Through Geoheritage

40	ID 21 The Geoheritage of Malta from Prehistory to the Present Day <i>Argyrios Periferakis, Konstantinos Periferakis and Aristodemos-Theodoros Periferakis</i>
41	ID 372 New generation digital materials of National Geological Museum of Greece (H.S.G.M.E.) <i>Konstantinos Laskaridis, Michalis Fitros, Vasilios Skliros, Niki Evelpidou, Andreas Tsokos and Dionysios Gkoutis</i>

42	ID 414 Interdisciplinary studies on ancient quarries: The case of Ras serpentinite quarry, Tinos, Cyclades, Greece <i>Alkiviadis Sideridis, Vasiliki Anevlavi, Thorsten Jakobitsch, Christoph Hauzenberger, Petros Koutsovitis and Anastasia Aggelopoulou</i>
T2: Structural Geology and Tectonics	
43	ID 24 Structural Restoration of Dunga Gali-Kuza Gali Area, Southern Hazara Basin, Lesser Himalayas, Pakistan. <i>Muhammad Armaghan Faisal Miraj, Muhammad Ishfaq, Naveed Ahsan and Saif-Ur Rehman</i>
44	ID 28 A tool to explore slip/separation relationships in faults that offset inclined or folded surfaces. Examples from the Asturian Basin (NW Iberian Peninsula) <i>Marta Magán, M. Bulnes and J. Poblet</i>
45	ID 105 Quantitative Seismic Interpretation of Lower Goru Formation in Kadanwari-Latif Area, Central Indus Basin, Pakistan <i>Abid Ali, Kamran Bin Zafar and Muhsan Ehsan</i>
46	ID 257 Remote Sensing of Lineaments as Assisting Elements in Neotectonic Research, A Case Study In Mygdonia Basin, Northern Greece <i>Evdokia Papadopoulou and Antonia Dretaki</i>
47	ID 260 The Flyschoidal Mélange Unit of the Adheres Massif (SE Argolis), in Relation to the Geological Mapping of Trizina Sheet at a Scale of 1:50.000. <i>Adonis Photiades and Georgios Deligiannakis</i>
48	ID 261 The Stacked Tectonic Units Implicated in SW Othrys Massif: Regarding the Geological Mapping Update of the Northern Parts of Lamia and Sperchias Sheets at a 1:50.000 Scale <i>Adonis Photiades and Nikolaos Kalogiannis</i>
49	ID 263 The Kourkoula Massif of Molai Area: a Tectonic Window Analogous to the Plattenkalk Series in South Peloponnese <i>Adonis Photiades and Alexandra Zervakou</i>
50	ID 305 Preliminary tectonostratigraphy results from the Small Trocharis mountain, north-east Lefka Ori, western Crete <i>Daniel Moraetis, Charalampos Fassoulas, Fatima Alzhra, Hareem Khan, Aris Leontaritis, Kosmas Pavlopoulos, Andreas Scharf, Markos Vaxevanopoulos, Kostas Adamopoulos, Markos Digenis, Christos Pennos and Nikolaos Nikolaidis</i>
51	ID 416 Fracture Analysis in the Eastern Limb of the North Paramythia Anticline and microstructural characteristics for carbonate reservoir quality (Elataria, NW-Greece). <i>Iasonas Panetas-Felouris, Sotirios Kokkalas, George Iliopoulos, Stylianos Tombros and Konstantinos Kappis</i>
T9b: Hydrogeology	
52	ID 7 Determination of Groundwater Potential Zones using Geographical Information Systems (GIS) and Analytical Hierarchy Process (AHP) in Tanauan, Batangas, Philippines <i>Mon Carlo Ronquillo, Maritza Roneen Lopez and Federico Dela Peña</i>
53	ID 46 Toxic chromium and human health risk: A systematic review of epidemiological studies <i>Maria Nefeli Georgaki and Marianna Charalambous</i>
54	ID 85 Hydrochemical conditions of the granular aquifer system in the region of North - West Achaia <i>Efthymios Chrysanthopoulos and Andreas Kallioras</i>
55	ID 86 Research for the Conceptual Model Development of River Lissos Coastal Aquifer System, NE Greece <i>Ioannis Gkiougkis, Ismail Empliouk, Adam Adamidis, Christina-Chrysavgi Pliaka, Dimitrios Karasogiannidis, Fotios-Konstantinos Pliakas and Theofilos Tzeveleakis</i>
56	ID 87 Research for the Conceptual Model Development of River Laspia Coastal Aquifer System, NE Greece <i>Ioannis Gkiougkis, Dimitrios Karasogiannidis, Christina-Chrysavgi Pliaka, Adam Adamidis, Ismail Empliouk, Fotios-Konstantinos Pliakas and Theofilos Tzeveleakis</i>
57	ID 137 Groundwater flow simulation in the Tymbaki aquifer by using different subsurface geological models <i>Paraskevas Diakoparaskevas, Emmanouil Varouchakis, Georgios Panagopoulos, Pantaleimon Soupios, Antonis Vafidis, Georgios Karatzas and Emmanouil Manoutsoglou</i>
58	ID 165 Assessment of Groundwater Quality in Ooeides Aquifer System, NE Greece <i>Adam Adamidis, Andreas Kallioras and Panagiotis Aggelidis</i>
59	ID 183 Natural and anthropogenic impacts on Greek karst water quality <i>Lorenza Li Vigni, Walter D'Alessandro, Sergio Calabrese, Carlo Cardellini, Kyriaki Daskalopoulou, Filippo Brugnone and Francesco Parella</i>
60	ID 218 Hydrogeological approach as a key for the exploration of shallow geothermal resources <i>Dimitra Rapti and Riccardo Caputo</i>
61	ID 249 Hydrogeological evaluation using VLF method in the fractured aquifer system of Sithonia peninsula, Chalkidiki, N. Greece <i>Christos Christidis, George Vargemezis and Konstantinos Voudouris</i>
62	ID 315 Geological, Tectonic and Hydrogeological conditions at Ethia, Asteroussia Mnts, Crete, Greece

	<i>Georgios Tzorbatzakis, Ioannis Tzorbatzakis, Haralambos Kranis, Emmanuel Skourtsos, Leonidas Moforis, Apostolos Alexopoulos and George Kontakiotis</i>
63	ID 420 Land Subsidence Phenomena in Northern Coastal Part of Korinthia Prefecture <i>Konstantinos Voudouris and Michalis Foumelis</i>
64	ID 427 Groundwater vulnerability mapping for karst aquifers (Chelmos karst system, southern Greece) <i>Kostantinos Perdikaris, Eleni-Anna Nanou, Eleni Zagana and Maria Papailiopoulos</i>

T10: Environmental Geosciences and Climate Change

65	ID 64 ILIDA-KIT tool: First results of near surface geophysical investigation techniques for successful management of coastal erosion <i>John D. Alexopoulos, Georgia S. Mitsika, Ioannis Konstantinos Giannopoulos, Vasileios Gkosis, Aliki Konsolaki, Emmanuel Vassilakis and Serafim Poulos</i>
66	ID 82 North Attica Groundwater System, Geology and Environmental Implications: The Case of Marly Limestones and Travertines <i>Vasileios Giannopoulos, Emmanuel Andreadakis, Emmanuel Skourtsos and Christos Filis</i>
67	ID 84 Greek Palygorskite and Sepiolite used for Wastewater Disinfection against E. Coli <i>Aristodimos Mavrikos, Dimitris Vayenas, Athanasia Tekerlekopoulou, Danae Venieri, Dimitris Papoulis and Paraskevi Lampropoulou</i>
68	ID 389 Vegetation changes and human impact in the Argive Plain (Peloponnese, Greece) from the Bronze Age to the modern era <i>Cristiano Vignola, Martina Hättestrand, Anton Bonnier, Martin Finné, Adam Izdebski, Christos Katrantsiotis, Katerina Kouli, Georgios C. Liakopoulos, Elin Norström, Maria Papadaki, Nichola A. Strandberg, Erika Weiberg and Alessia Masi</i>

S7: Remote Sensing Techniques in Geohazards

69	ID 50 Monitoring of the erosional phenomena next to the active fault of Psatha (Attica, Greece) with diachronic Terrestrial LiDAR data acquisition <i>Chrysoula Katsora, Aliki Konsolaki, Emmanouil Vassilakis and John Alexopoulos</i>
70	ID 59 Mapping the spatial distribution of detached boulders with the use of ultra-high resolution remote sensing data and simulation of rockfall events. The case of Kalymnos Island. <i>Emmanuel Vassilakis, Aliki Konsolaki, Sofia Laskari, Ioannis Lialiatis, Kostantinos Soukis, Evangelia Kotsi and Efthymios Lekkas</i>
71	ID 78 Using SAR data and interferometric techniques to calculate the terrain deformation after the Cumbre Vieja volcanic eruption on La Palma Island <i>Giorgos Barberis, Aggeliki Kyriou and Konstantinos Nikolakopoulos</i>
72	ID 327 Detection and Monitoring of Total Suspended Matter (TSM) in South Evoikos Gulf, Greece after the flood event on the 9th of August 2020 <i>Despoina Bafi, Stamatina Tounta, Marianthi Karantzia and Issaak Parcharidis</i>

20:30-	CONFERENCE DINNER
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DETAILED AGENDA – DAY 3: WEDNESDAY 19

ROUND TABLE (Plenary)	Auditorium I-4
	09:30-11:15
09:30-11:15 <i>Prospects of Geology in a Sustainably Developed World. Professional Perspectives in Greece.</i> Association of Greek Geologists	
11:15-11:45 COFFEE BREAK	
S9a: Geoheritage, Geoconservation, Geoeducation and Geoethics	Auditorium I-4
	11:45-13:15
<u>Conveners:</u> Hara Drinia, Nikolaos Zouros, Assimina Antonarakou	
11:45-12:00 ID 194 The Aliakmon Legacy Project: A Defeat for Conservation, or a Victory for Research and Education? <u>Dina Ghikas and Anne Rassios</u>	
12:00-12:15 ID 220 The Kefalonia-Ithaca Geopark as a Tool for Public Education, Recreation and sustainable development <u>Elena Zoumpouli, Michalis Xanthakis, George Drakatos and Panagiotis Minetos</u>	
12:15-12:30 ID 253 The presence of a Natural History Museum in a school as a geology and geological heritage educational tool <u>Fani Tripolitsiotou, Hara Drinia and Assimina Antonarakou</u>	
12:30-12:45 ID 264 A study of students' perceptions of the Covid-19 pandemic <u>Olga Koumoutsakou, Assimina Antonarakou and Vasiliki Lianou</u>	
12:45-13:00 ID 265 Promoting advanced geoheritage education: the 1st Summer School of the Vikos-Aoos UNESCO Global Geopark <u>Alexandros Chatzipetros, Haritakis Papaioannou and Christos Stergiou</u>	
13:00-13:15 ID 269 Preliminary results from implementation of education through art to geoscience students <u>Marousa Damigou, Olga Koumoutsakou and Assimina Antonarakou</u>	
S4: Recent Advances in InSAR and GNSS Applications for Crustal Deformation Mapping and Monitoring	Room I-10
	11:45-13:15
<u>Conveners:</u> Athanassios Ganas, Panagiotis Elias, Vassilis Sakkas	
11:45-12:00 ID 122 Ground deformation and microseismicity patterns onshore Milos, Cyclades, Greece <u>Athanassios Ganas, Andreas Karakonstantis, Vasilis Kapetanidis, Varvara Tsironi, Ioannis Karamitros, Eirini Efsthathiou, Ilektra Karasante and Ioannis Kassaras</u>	
12:00-12:15 ID 109 Ground Deformation Study of the Ionian Islands (W. Greece) Based on Continuous GNSS Measurements <u>Vassilis Sakkas, George Kaviris, Vasilis Kapetanidis, John Alexopoulos, Ioannis Springos, Ioannis Kassaras, Spyridon Dilalos, Spyridon Mavroulis, Michalis Diakakis, Danai Kazantzidou-Firtinidou, Emmanuel Vassilakis, Evelina Kotsi, Efthymis Lekkas and Nicholas Voulgaris</u>	
12:15-12:30 ID 259 MT-InSAR analysis investigating the opening in the southern part of S-E Thessaly Basin <u>Andreas Karavias, Haralambos Kranis, Pavlos Krassakis, Nikolaos Koukouzas and Issaak Parcharidis</u>	
12:30-12:45 ID 29 Peculiar Vertical Ground Deformation Observed at Skyros Island (North Aegean, Greece), Consistent with Proximal Subsurface Magmatic Activity. <u>Phaedra Kravariti, Vassilis Sakkas, Andreas Tzanis and Stylianos Chailas</u>	
12:45-13:00 ID 365 Geodetic evidence for active deformation onshore Paliki Peninsula, Cephalonia, Greece <u>Varvara Tsironi, Athanassios Ganas, Sotirios Valkaniotis, Vasiliki Kouskouna, Ioannis Kassaras, Efthimios Sokos and Ioannis Koukouvelas</u>	
13:00-13:15 ID 388 A low-cost permanent GNSS network to capture transient plate tectonic motions in Greece: EU-funded deployment scheduled for 2023 <u>Jonathan Bedford</u>	
S5: Insights into the Nature of the Earth's Upper Mantle Approached from the Study of Ophiolites and Volcanic Rocks	Room I-11
	11:45-13:00
<u>Conveners:</u> Petros Koutsovitis, Andreas Magganas, Panagiotis Pomonis	

11:45-12:00	ID 172 Invited The 2021 eruption in La Palma Island (Canary Islands, Spain): Volcano monitoring and crisis management conducting to a zero fatalities urban eruption. <i>Stavros Meletlidis, Ign Volcano Monitoring Group and Directorate-General of Security and Emergencies of Canary Government</i>
12:00-12:15	ID 56 Variables Affecting the Tectono-Lithologic Expression of the Upper Mantle: Criteria from the Mesohellenic Ophiolites of Greece <i>Anne Ewing Rassios, Constantina Ghikas and Anna Batsi</i>
12:15-12:30	ID 272 Overview of new and rare minerals discovered in Greece: Special regards to their genesis in ophiolite complexes <i>Federica Zaccarini, Maria Economou-Eliopoulos and Giorgio Garuti</i>
12:30-12:45	ID 214 High-Pressure Ion-Irradiation Platform at GSI: Minerals under Multiple Extreme Conditions <i>Ioannis Tzifas, Kay-Obbe Voss, Maria Eugenia Toimil Molares, Maik Lang, Christopher Schroeck and Christina Trautmann</i>
12:45-13:00	ID 273 Evidence for significant refertilization of depleted mantle peridotites in the Krrabi massif, Mirdita ophiolite complex, Albania <i>Petros Koutsovitis, Theodoros Ntaflos, Kujtim Onuzi and Christoph Hauzenberger</i>

Room I-12

11:45-13:00

T8a: Information Technologies in Geosciences

<u>Conveners:</u>	Konstantinos Nikolakopoulos, Isaak Parharidis, Olga Sykioti
11:45-12:00	ID 306 Oil and Gas Data Management – Workflow and Future Industry Trends <i>Konstantinos Oikonomopoulos, Evangelos Kaikas, Konstantinos Farmakis and Aristofanis Stefatos</i>
12:00-12:15	ID 96 Detection of mineralized zones at an igneous intrusion in the Koutala islet, Lavreotiki, Greece using Sentinel-2 satellite data and mineralogical analysis <i>Olga Sykioti, Athanassios Ganias, Charalampos Vasilatos and Zacharenia Kypritudou</i>
12:15-12:30	ID 181 Investigating the capability of Sentinel-2 and Worldview-3 SWIR to map the main mineralogical composition of bauxite through spectral unmixing. Case Study: Itea, Greece <i>Alexandra Anifadi, Olga Sykioti, Konstantinos Koutroumbas, Emmanuel Vassilakis, Emilius Georgiou and Charalampos Vasilatos</i>
12:30-12:45	ID 290 UAV and LiDAR Technologies for Validating Soil Erosion Models in The Field <i>Simoni Alexiou, Ioannis Papanikolaou, Georgios Deligiannakis, Aggelos Pallikarakis, Klaus Reicherter, Mina Karamesouti, Emmanouil Psomiadis, Nikolaos Efthimiou and Nikos Charizopoulos</i>
12:45-13:00	ID 432 ArcGIS: The complete GIS System <i>Ioannis Kontos</i>

13:15-14:30

LUNCH BREAK

Auditorium I-4

14:30-15:30

S9a: Geoheritage, Geoconservation, Geoeducation, Geoethics

<u>Conveners:</u>	Hara Drinia, Nikolaos Zouros, Asimina Antonarakou
14:30-14:45	ID 362 Citizen Science and Geoheritage: a Sampling Campaign for Cosmogenic 36Cl Surface Exposure Dating of Glacial Deposits in Mt Parnassus National Park, Central Greece <i>Aris Leontaritis, Kosmas Pavlopoulos, Michalis Giorgaras, Konstantinos Tsalkoutis and Nikos Koukis</i>
14:45-15:00	ID 380 The Lesvos Petrified Forest Park: "Kyria Apolithomeni", Lesvos Island UNESCO Global Geopark, Greece-Protecting and Enhancing a Historical Geological Heritage Site <i>Ilias Valiakos, Nikolaos Zouros, Konstantina Bentana, Efstratios Zgournios, Emmanouil Antonakis and Aggelos Lamprakopoulos</i>
15:00-15:15	ID 383 A new methodology on geosite enhancement using 3D mapping: Lesvos Island Unesco Global Geopark as a case study <i>Emmanouil Antonakis, Aggelos Lamprakopoulos, Nikolaos Soulakellis and Nikolaos Zouros</i>
15:15-15:30	ID 403 Educational Activities for The Visually Impaired in Lesvos Island UNESCO Global Geopark – The Erasmus+ Program "Geology for the Visually Impaired" <i>Konstantina Bentana, Nikolaos Zouros and Ilias Valiakos</i>

T4: Geomorphology and Quaternary Geology		Room I-10 14:30-16:15
<u>Conveners:</u> Efthimios Karymbalis, George Bathrellos		
14:30-14:45	ID 146 Nationwide geomorphological mapping: Introducing the geomorphological map of Greece <i>Efthimios Karymbalis, Konstantinos Tsanakas, Kanella Valkanou, Diamantina Griva and Dimitrios-Vasileios Batzakis</i>	
14:45-15:00	ID 336 Geomorphological Map of Greece at 1:1,000,000 Scale – Pilot 1:50,000 scale geomorphological mapping of Naxos Sheet <i>Alexandros Petropoulos, Niki Evelpidou, Alexandra Zervakou and Irene Zananiri</i>	
15:00-15:15	ID 216 Detecting Recent Surface Deformation in the Evinos River Delta, Western Greece, Using SBAS Interferometry <i>Ioannis Papadopoulos, Andreas Karavias, Efthimios Karymbalis, Issaak Parcharidis and Konstantinos Tsanakas</i>	
15:15-15:30	ID 224 The caves of Greece: archive analysis and modern field-work data <i>Georgios Lazaridis, Despina Dora, Iphigeneia Nikolaidou, Panagiotis Karakoulakis, Athanasia Almpanopoulou, Sofia Pantali, Konstantinos Kamadanis, Maria Karagkiozi, Maria Kokovaki, Foteini Sdraka, Alexandros Karampelas, Aikaterini Panora, Sofia Ntasioti, Marilena Georgiadou, Fotios Konstantinakis, Melina Dorothea Gkari and Konstantinos Vouvalidis</i>	
15:30-15:45	ID 225 Identification and Mapping of Beach Ridges in the Acheron River delta (Western Greece) <i>Diamantina Griva, Efthimios Karymbalis, Maurizio Poscolieri, Isaak Parcharidis, Vasileios Kapsimalis, Konstantinos Tsanakas and Dimitrios Vasileios Batzakis</i>	
15:45-16:00	ID 318 Relative Tectonic Activity Assessment of the Trichonis Lake Graben (Western Greece) Using Geomorphometry and Artificial Intelligence <i>Efthimios Karymbalis, Kanella Valkanou, Giandomenico Fubelli, Maria Ferentinou, Philip Giles, Konstantinos Tsanakas, Dimitrios-Vasileios Batzakis, Dimitrios Papanastassiou and Kalliopi Gaki-Papanastassiou</i>	
16:00-16:15	ID 357 Disaster Risk Reduction Strategies in Secondary Education: A Teaching Intervention at Schools in The River Basin of Xerias River, Corinth (Greece) <i>Maria Karpouza, George Bathrellos, Hariklia Skilodimou, George Kaviris, Assimina Antonarakou and Eleni Tsami</i>	
S5: Insights into the Nature of the Earth's Upper Mantle Approached from the Study of Ophiolites and Volcanic Rocks		Room I-11 14:30-15:30
<u>Conveners:</u> Petros Koutsovitis, Andreas Magganas, Panagiotis Pomonis		
14:30-14:45	ID 332 Deformation and Rheology of the Lithospheric Mantle Beneath the North Anatolian Fault <i>Vasileios Chatzaras, Alexander D.J. Lusk, Timothy Chapman, Ercan Aldanmaz, Joshua R. Davis and Basil Tikoff</i>	
14:45-15:00	ID 210 Metamorphic versus primary features recorded in chromitites of the East Chalkidiki meta-ultramafic bodies, Gomati and Nea Roda, Northern Greece <i>Alkiviadis Sideridis, Basiliос Tsikouras, Pavlos Tsitsanis, Petros Koutsovitis, Federica Zaccarini, Christoph Hauzenberger, Harilaos Tsikos and Konstantin Hatzipanagiotou</i>	
15:00-15:15	ID 279 An approach to 3D rock fabric analysis of ophiolitic rocks via X-ray micro-computed tomography <i>Vasileios Giamas, Petros Koutsovitis, Alkiviadis Sideridis, Pascal Turberg, Tassos Grammatikopoulos, Petros Petrounias, Panagiota Giannakopoulou, Nikolaos Koukouzas and Konstantin Hatzipanagiotou</i>	
15:15-15:30	ID 285 Petrological and geochemical study of the successive rodingitization processes in tholeiitic, alkaline and calc-alkaline basaltic rocks from Evia Island, Greece <i>Christos Karkalis, Andreas Magganas and Petros Koutsovitis</i>	
T8b: Natural Hazards and Information Technologies		Room I-12 14:30-15:45
<u>Conveners:</u> Ioannis Koukouvelas, Efthymios Lekkas, Alexandros Chatzipetros		
14:30-14:45	ID 393 Disaster Interrelations in a Multi-Hazard Risk Framework <i>Michail-Christos Tsoutsos and Vassiliос Vescoukis</i>	
14:45-15:00	ID 322 Natural Hazard Risk Assessment and Inventory of the Hellenic Geosites <i>Isidoros Kampolis, Irene Zananiri, Evgenia Moraiti and Vassiliki Barsaki</i>	

15:00-15:15	ID 407 Landslide Phenomena in Greece in the Frame of the GEOKA Research Project <i>Natalia Spanou, Emmanuel Apostolidis, Garyfalia Konstantopoulou, Andriani Exintaridi, Katerina Kavoura, Alexandros Kepas, Vasileios Ieronymakis and Panagiotis Paschos</i>
15:15-15:30	ID 197 Landslide inventory and preliminary susceptibility mapping of Corfu Island, Greece <i>Garyfalia Konstantopoulou, Katerina Kavoura, Andriani Exintaridi and Panagiotis Paschos</i>
15:30-15:45	ID 92 Wildfire mapping in the Region of Western Greece using Sentinel-2 and Landsat imagery <i>Eirini Dimitriou, Aggeliki Kyriou and Konstantinos Nikolakopoulos</i>

16:00-17:00	Poster Presentations (with coffee)
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S9a: Geoheritage, Geoconservation, Geoeducation and Geoethics

1	ID 79 The Museums of Geology and Paleontology as Geoeducational Learning Environments for Climate Change Awareness: A Case Study <i>Christina Kondyli, Maria Psychogiou and Hara Drinia</i>
2	ID 91 "Exploring the wondrous world of a limestone island": a geoeducational program for the promotion of the geological heritage of Kalymnos Island <i>George Zafeiropoulos, Hara Drinia, Assimina Antonarakou and Nikolaos Zouros</i>
3	ID 232 Geodiversity and Geoheritage: The geoethical dimensions of a Geoeducation Program in the context of an experimental Lower Secondary Education school club <i>Spiridon Mosios, Efthymios Georgousis, Socrates Savelidis, Maximos-Vasileios Holokolos and Hara Drinia</i>
4	ID 252 The PalaeoScope project: augmented and virtual reality recreations of the geological and archaeological past of Athens <i>Assimina Antonarakou, George Lyras, George Kontakiotis, Georgia Kotzamani, Evangelia Besiou, Myrsini Voulgari, Vivi Alexoudi, Alexia Grambas, Efthymios Lekkas, Emmanouil Galanopoulos, Nikolaos Karydas, Alexandros Iakovidis, Konstantinos Paraskevopoulos and Konstantinos Gelegenis</i>
5	ID 254 Designing a Mammoth Herd for Augment Reality at the Acropolis of Athens <i>George Lyras, George Kontakiotis, Emmanouil Galanopoulos, Nikolaos Karydas, Alexandros Iakovidis, Konstantinos Paraskevopoulos, Konstantinos Gelegenis, Georgia Kotzamani, Evangelia Besiou and Assimina Antonarakou</i>
6	ID 283 Disaster and crisis management awareness level of local authorities in the District of Attica Municipalities before and after training courses <i>Athanasia Bakopoulou, Katerina-Navsiaka Katsetsiadou, Eva Kyriazis, Vivi Alexoudi, Alexia Grambas, Evangelia Kotsi, Eleftheria Stamati, Assimina Antonarakou and Efthimios Lekkas</i>
7	ID 342 The New Curriculum on Environment and Education for Sustainable Development and its Potential for Shaping Attitudes and Behaviors towards the Geoenvironment and Cultivating Geoethical Values <i>Efthymios Georgousis, Spiridon Mosios, Socrates Savelides, Maximos-Vasileios Holokolos and Hara Drinia</i>

T4: Geomorphology and Quaternary Geology

8	ID 6 The Geomorphological Map of Northeastern Messinia (Andania), Greece, for the delimitation of potential archaeological sites of great importance <i>Dimitris Vandarakis, Nikolaos Liosis, Vassileia Chondraki, Chara Petrakou, Vassilios Kapsimalis, Ioannis Panagiotopoulos and Eleni Zimi</i>
9	ID 142 Assessing and Mapping Multi-Hazard Susceptibility in Evia Island Greece Using Integrated Weighting Methods and Geospatial Techniques <i>Kanella Valkanou, Efthimios Karymbalis, Konstantinos Tsanakas, George Bathrellos, Hariklia Skilodimou, Dimitris Papanastassiou and Kalliopi Gaki-Papanastassiou</i>
10	ID 151 Cave evolution in Strymonas Valley, Greece <i>Georgios Lazaridis, Alexandros Karampelas, Despina Dora and Prodromos Koulelis</i>
11	ID 198 Palaeogeographic Reconstruction of the Ancient Course of Eridanos River (Athens, Greece): A Review <i>Theodora Karympali and Konstantinos Tsanakas</i>
12	ID 321 Coastal Vulnerability Assessment of Mirabello Gulf-NE Crete <i>Maria Kazantzaki, Evangelos Tsakalos, Eleni Filippaki and Ioannis Bassiakos</i>
13	ID 351 Spatial distribution of caves in Crete <i>Irini Antoniou, Fotis Livanos, Hariklia Skilodimou and George Bathrellos</i>
14	ID 358 Differentiated Learning – Digital Game Based Learning in Geology and Mathematics in Primary School Students <i>Eleni Tsami, George Bathrellos, Hariklia Skilodimou, George Lyras and Assimina Antonarakou</i>
15	ID 376 From fuzzy sets to normal cloud model. An application to an environmental problem. <i>Theodoros Gournelos, Vasileios Kotinas and Nikolaos Artemios Gournelos</i>
16	ID 387 Evaluation of soil erosion risk using Neural Networks (SOM) in a GIS platform: Study case in the island of Samos.

	Vasileios Kotinas, George Bathrellos and Hara Skylodimou
S5: Insights into the Nature of the Earth's Upper Mantle Approached from the Study of Ophiolites and Volcanic Rocks	
17	ID 44 The Ermioni back-arc depression (Argolis) versus the Arvi (Crete) seamount relative to subducting Pindos Ocean during Upper Cretaceous <i>Stavros Triantafyllidis, Sotirios Kokkalas and Stylianos Tombros</i>
18	ID 77 Preliminary Study of Sepiolite Occurrences of East Corinth Gulf and their Morphological Characteristics <i>Despoina Nifora, Basiliki Gkoka, Ioannis Koukouvelas, Paraskevi Lampropoulou, Dionisios Panagiotaras and Dimitrios Papoulis</i>
19	ID 370 Mass-balance modelling of the Thapsana Mangan Skarn, Paros, Greece. <i>Michalis Fitros, Stylianos Tombros, Aikaterini Spiliopoulou, Stavros Triantafyllidis, Sotirios Kokkalas and Panagiotis Voudouris</i>
20	ID 401 Petrology and geochemistry of sandstones from the Eocene Flysch, Astypalaia Island, Dodecanese, Greece. <i>Maria Kokkaliari, Christos Kanellopoulos and Ioannis Iliopoulos</i>
21	ID 412 Metamorphic conditions in West Rhodope massif, at Northern Drama area, Northeast Greece: preliminary results <i>Matthaios Karapantzios, Maria Kokkaliari, Christos Kanellopoulos, Christos Katagas and Ioannis Iliopoulos</i>
22	ID 18 Nd-Sr-Pb Isotopes Systematics of Evros Ophiolite, Eastern Circum-Rhodope Belt, NE Greece <i>Nikolay Bonev, Zornitsa Dotseva and Massimo Chiaradia</i>
23	ID 113 Preliminary petrological and mineralogical results from Miocene basaltic rocks of Chios Island <i>Lemonia Kalantzi, Vasileios Giamas, Petros Koutsovitis, Petros Petrounias, Alkiviadis Sideridis and Theodoros Ntaflos</i>
24	ID 153 Preliminary analyses of lava samples from the Methana peninsula: Is there any correlation amongst volcanic eruption styles and 3D porphyric index? <i>Vasileios Giamas, Lemonia Kalantzi, Petros Koutsovitis, Pascal Turberg, Petros Petrounias and Paraskevi Lampropoulou</i>
25	ID 173 Implications of Chromitites of Veria-Naousa Ophiolite (North Greece): Petrographic and Mineralogical Characteristics <i>Aikaterini Rogkala, Petros Petrounias, Panagiota P. Giannakopoulou, Panagiotis Pomonis, Petros Koutsovitis, Paraskevi Lampropoulou and Konstantin Hatzipanagiotou</i>
26	ID 203 A petrological approach on the occurrence of metasomatised alkali basaltic rocks in the region of Chronia, Evia Island, Greece <i>Marina Karalis, Petros Koutsovitis, Konstantinos Lilis, Sideridis Alkiviadis, Christos Karkalis, Tsikos Harilaos and Ioannis Iliopoulos</i>
27	ID 217 Petrogenetic implications of a Late Cenozoic multiple injection lamproitic dike, Limnos Island, Greece <i>Andreas Magganas and Petros Koutsovitis</i>
28	ID 228 Evidence from the CO ₂ liberated from Thermal Springs in the regions of Kammena Vourla and Thermopylae <i>Ioanna Georganta, Petros Koutsovitis and Konstantinos Kyriakopoulos</i>
29	ID 240 Assessment of petrographic and mineralogical characteristics of mafic volcanic Miocene rocks (SE Aegean) for acidic water purification applications <i>Natalia Aggelopoulou, Efi Kosti, Petros Petrounias, Petros Koutsovitis and Alkiviadis Sideridis</i>
30	ID 316 Petrological and mineralogical evidence of rodingites from the region of Orliakas, Pindos ophiolite. <i>Louiza Tsiaresioti, Petros Koutsovitis, Harilaos Tsikos and Panagiotis Pomonis</i>
31	ID 346 Preserved High-Mg basalts within metasomatized dykes in the Pindos and Othris ophiolitic formations: A petrographic and petrogenetic approach <i>Petros Koutsovitis, Louiza Tsiaresioti, Marina Karalis, Tatiana Makridou, Alkiviadis Sideridis, Aikaterini Rogkala, Petros Petrounias, Panagiota P. Giannakopoulou and Christos Karkalis</i>
T8a: Information Technologies in Geosciences	
32	ID 1 New data of remote sensing. Case of study Khachovi ore occurrence. Georgia. <i>Giorgi Mindiashvili</i>
33	ID 12 Mapping of the non-seismic surface ruptures in Stratoniki village, NE Chalkidiki <i>Athanasi Chatzioannou and Alexandros Chatzipetros</i>
34	ID 68 Exploratory Data Analysis of Climate Change and its Relation to the Occurrence and Economic Impact of Natural Hazards. <i>Aikaterini Alexandra Chrysafi and Paraskevas Tsangaratos</i>
35	ID 73 Launching a geophysical campaign on Santorini using muography: simulation of geological targets and geometries <i>Serafeim Zormpas, Gábor Nyitrai, Constantin D. Athanassas, Dezso Varga, Evangelos Hristoforou, Theodoros Alexopoulos, Gergely Hamar and Gergely Surányi</i>
36	ID 94 A Multi-Temporal Landslide Inventory in Landslide Hazard Assessment: Statistics and Geometry of Landslides triggered by the 2008 Movri Mnt Earthquake (West Achaia, Greece) <i>Aspasia Litoseliti, Ioannis Koukouvelas and Konstantinos Nikolakopoulos</i>
37	ID 178 An exploratory analysis of EM-DAT database for Greece <i>Fotios Botsolis, George Makrygiannis, Maria Mavraki and Anastasios Mavrakis</i>

38	ID 179 Some comments on results obtained from two questionnaires regarding evacuation drills in Greek schools <i>George Makrygiannis, Fotios Botsolis, Christina Papavasileiou, Maria Mavraki and Anastasios Mavrakis</i>
39	ID 229 Site effects and surface deformation associated with the M 6.3 Sitia (eastern Crete) earthquake of October 12, 2021 <i>Antonia Dretaki, Alexandros Chatzipetros and Stavros Psomadakis</i>
40	ID 266 Effects on the Natural and Man-Made Environment from the Occurrence of Floods in Areas of the Western Sector of Athens. <i>Maria Teskou and Ioanna Ilia</i>
41	ID 280 Preliminary results of Antimilos geology and volcanic hazard assessment. <i>George Vougioukalakis, Christos Kanellopoulos, Lorella Francalanci and Ilias Koufogiannis</i>
42	ID 282 Review of Methana volcano geology aiming at the volcanic hazard assessment in the area. <i>George Vougioukalakis, Christos Kanellopoulos and Lorella Francalanci</i>
43	ID 286 Historical hydrothermal explosive events and present volcanic hazard at Milos Island, Greece <i>George Vougioukalakis, Christos Kanellopoulos, Silvia Massaro, Roberto Sulpizio, Federico Lucchi, Claudio Tranne, Giovanni Chiodini, Franco Tassi, Orlando Vaselli, Giulio Bini and Panagiota Pantou</i>
44	ID 292 How Land Use/Cover and Landscape Characteristics Along with Fire Severity and Frequency can Affect the Potential Vegetation Recovery: The case of Varibobi Wildfire <i>Emmanouil Psomiadis, Simoni Alexiou, Emmanouela Zevgoli, Marilou Avramidou, Dimitra Veropoulou, Petros Mecaj, Konstantinos Soulis and Ioannis Papanikolaou</i>
45	ID 302 Field Data Collection Using Drone Technology and Ground Sensors for the Estimation of Crop Water Requirements <i>Emmanouil Psomiadis, Stavros Alexandris, Nikolaos Proutsos and Ioannis Charalampopoulos</i>
46	ID 326 Detecting flooded areas using Deep Learning Methods <i>Paraskevas Tsangaratos</i>
48	ID 361 The large underground karst system of Maaras Cave through 3D laser Scanning <i>Isidoros Kampolis, Vassilis Trizonis and Yiannis Psaltakis</i>
49	ID 368 The forgotten earthquakes of the Peloponnese <i>Aggeliki Barberopoulou, Vassiliki Kouskouna, Athanassios Ganias, George Malaperdas and Maja Nielsen</i>
50	ID 374 How the aggregate shape influences the compressive strength of concrete? The use of a new micro geo-informatics methodology <i>Panagiota P. Giannakopoulou, Aspasia Litoseliti, Aikaterini Rogkala, Maria Kalpogiannaki, Paraskevi Lampropoulou, Vasileios Giamas, Petros Koutsovitis and Petros Petrounias</i>
51	ID 377 Landslide Susceptibility Assessment Using Multi-Criteria Analysis in Agrafa Municipality, Concerning Hydrological and Hydrogeological Factors. <i>Georgios Ntelis, Ioannis Koumantakis and Eleni Vasileiou</i>

S4: Recent Advances in InSAR and GNSS Applications for Crustal Deformation Mapping and Monitoring

52	ID 363 Development of a monitoring platform for permanent GNSS stations analysis in the region of the EnCeladus Hellenic Supersite, preliminary results. <i>Dimitrios Anastasiou, Xanthos Papanikolaou, Maria Tsakiri and Spyros Lalechos</i>
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CLOSING CEREMONY (Plenary)**Auditorium I-4****17:00-17:30**

17:00-17:30

Closing of the Conference

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