



**SHORT
PROGRAMME**

09:15 – 09:45	OPENING CEREMONY / Meeting room Mare												
09:45 – 10:30	PLENARY LECTURE: William Helland-Hansen, Meeting room Mare												
10:30 – 11:00	Coffee break												
	MARE 1-2 / 10. floor	LUNA / 7. floor	MARE 3 / 10. floor	MARE 4 / 10. floor	DUBRAVA 1 / 9. floor	DUBRAVA 2 / 9. floor	PINIJA / 9. floor						
11:00 – 11:15	2.1. Biogeodynamics of Mesozoic marine carbonate depositional systems	6.2. Mixed process expressions, and controls on sedimentation in tidal systems	5.1. Lake sediments as archives of natural and anthropogenic changes in climate and the environment	6.3. Coastal boulder deposits (CBD) as archives of extreme wave events 6.4. The sedimentology of coastal storms past & present: informing preparedness for climate change	11.2. Trace fossils in sedimentological analysis: Expanding their applicability in space and deep time	13.5. Provenance of sediments – from source to sink	14.1. Intramountain basins – recorders of tectonics, climate, and biota interactions						
11:15 – 11:30							14.2. Tectonics and sedimentation						
11:30 – 11:45													
11:45 – 12:00													
12:00 – 12:15													
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12:45 – 13:00													
13:00 – 14:30	Lunch break / ECS WORKSHOP 1												
	MARE 1 / 10. floor	MARE 2 / 10. floor	MARE 3 / 10. floor	MARE 4 / 10. floor	DUBRAVA 1 / 9. floor	DUBRAVA 2 / 9. floor	PINIJA / 9. floor						
14:30 – 14:45	2.2. Shallow-marine carbonate depositional systems and carbonate platforms	6.6. Shallow-marine clastic depositional systems	4.5. Modern advancements in the characterization of dolomite	6.1. Coastal depositional systems: understanding past and modern systems for a resilient future	11.2. Trace fossils in sedimentological analysis: Expanding their applicability in space and deep time	13.5. Provenance of sediments – from source to sink	14.2. Tectonics and sedimentation						
14:45 – 15:00							8.1. Subaqueous sediment gravity flow processes and products						
15:00 – 15:15													
15:15 – 15:30													
15:30 – 15:45	Coffee break												
15:45 – 16:00	2.2.	6.6.	4.5.	6.1.	11.2.	13.5.	8.1.						
16:15 – 16:30													
16:30 – 16:45													
16:45 – 17:00													
17:00 – 18:30	POSTER SESSION / Lobby												
	2.2.	4.5.	5.1.	6.1.	6.2.	6.3.	6.4.	6.6.	8.1.	11.2.	13.5.	14.1.	14.2.

	MARE 1 / 10. floor	MARE 2 / 10. floor	MARE 3 / 10. floor	MARE 4 / 10. floor	PINIJA / 9. floor	DUBRAVA 1 / 9. floor	DUBRAVA 2 / 9. floor	LUNA / 7. floor		
09:00 – 09:15	2.2. Shallow-marine carbonate depositional systems and carbonate platforms	5.2. New advances in lacustrine sedimentology	1.2. Cave sediments – archives of past environmental changes	12.3. The stratigraphic record of paleoenvironmental variation in epeiric basins	13.2. Controlling factors of sediment generation in source to sink studies	8.3. General topics in clastic sedimentology	4.2. Early diagenesis in carbonate sediments	10.1. Evaporitic sedimentary environments, processes and products, with emphasis on the Messinian Salinity Crisis		
09:15 – 09:30										
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10:30 - 10:45	Coffee break									
10:45 - 11:00	2.2.	5.2.	1.3. Continental carbonates, karst and caves	9.1. Volcanism and sedimentology	13.3. Quantitative study for source-to-sink system	7.1. Deep-marine clastic depositional systems	4.2. Early diagenesis in carbonate sediments	10.2. Evaporites		
11:00 - 11:15										
11:15 - 11:30	12.1. Understanding major paleoenvironmental and paleontological crises during the Mesozoic by exploring shallow water carbonates geological archives									
11:30 – 11:45										
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12:45 – 13:00										
13:00 – 14:30	Lunch break / ECS WORKSHOP 2									
14:30 – 15:15	PLENARY LECTURE: Petra Bajo, Meeting room Mare 1									
	MARE 1 / 10. floor	MARE 2 / 10. floor	MARE 3 / 10. floor	MARE 4 / 10. floor	PINIJA / 9. floor	DUBRAVA 1 / 9. floor	DUBRAVA 2 / 9. floor	LUNA / 7. floor		
15:15 – 15:30	11.1. Carbonate biomineralization processes, bio-minerals, environmental mineralogy / geochemistry	12.2. The sedimentary role of calcareous green algae, from Paleozoic to modern	1.3. Continental carbonates, karst and caves	12.5. Paleoclimate and paleoenvironmental changes in shallow-marine seas	9.2. Impacts of volcanism on sedimentary systems	8.2. Analogues and experiments for understanding early diagenesis of clastic sediments	4.4. Resedimented carbonates – generation, transport, deposition	12.8. Stratigraphic markers and archives		
15:30 – 15:45										
15:45 – 16:00										
16:00 – 16:15	Coffee break									
16:15 – 16:30	11.1.	12.2.	1.3.	12.5.	9.3.	8.2.	4.4.	12.8.		
16:30 - 16:45										
16:45 – 17:00										
17:00 – 18:30	POSTER SESSION / Lobby									
	1.2.	1.3.	4.2.	4.4.	5.2.	7.1.	8.2.	8.3.	9.1.	9.2.
	9.3.	10.1.	10.2.	11.1.	12.1.	12.2.	12.3.	12.5.	12.8.	13.3.

	MARE 1/ 10. floor	MARE 2 / 10. floor	MARE 3 / 10. floor	MARE 4 / 10. floor	DUBRAVA 1 / 9. floor	DUBRAVA 2 / 9. floor	PINIJA / 9. floor								
09:00 - 09:15	15.1. Seismo-sedimentological characterization of 3D seismic data	5.3. Continental clastic depositional systems	13.4. From river catchments to the deep sea: case studies, applications, state of the art and new frontiers of source-to-sink research	12.7. IGCP739: The Mesozoic–Paleogene hyperthermal events	4.1. Special Session in celebration of Maurice Tucker’s contribution to carbonate sedimentology: Studies of carbonate rocks and sediments – from sequence stratigraphy and cycles to dolomites and microbialites	6.5. Spatial and temporal variability in coastal to shelf environments	1.1. The response of continental carbonates to (paleo) environmental perturbations: New insights from emergent and old/ refined indicators								
09:15 - 09:30															
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10:30 - 10:45	Coffee break														
11:30 - 11:45	15.2. Sedimentology and hydrocarbons	5.3.	13.4.	12.7. IGCP739: The Mesozoic–Paleogene hyperthermal events	12.6. Paleosols as valuable records of terrestrial climate and environments	4.7. General topics in carbonate sedimentology	3.1. Deep-marine carbonate depositional systems								
11:45 - 12:00															
12:00 - 12:15															
12:15 - 12:30															
12:30 - 12:45		4.6. Carbonate sedimentary systems and their petrophysical expression	4.3. Non-marine and marine carbonate factories and their expressions in sequence stratigraphy												
12:45 - 13:00															
13:00 - 14:30	Lunch break / ECS WORKSHOP 3														
14:30 - 15:15	PLENARY LECTURE: Juergen Schieber, Meeting room Mare 1														
	MARE 1 / 10. floor	MARE 2 / 10. floor	MARE 4 / 10. floor		DUBRAVA 1 / 9. floor										
15:15 - 15:30	16.2. Techniques and technologies in sedimentology	17.1.–17.5. 17.1. Open Science: data, software, knowledge, and education; 17.3.: Sedimentology and geotourism; 17.4.: Sedimentology and archaeology; 17.5.: Open topics in sedimentology	12.7. IGCP739: The Mesozoic–Paleogene hyperthermal events		12.6. Paleosols as valuable records of terrestrial climate and environments										
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16:45 - 18:15	POSTER SESSION / Coffee break / Lobby														
	1.1.	3.1.	4.1.	4.3.	4.5.	4.6.	4.7.	5.3.	6.5.	12.6	12.7.	13.4.	15.1.	15.2.	16.2.
	17.1.	17.3.	17.4.	17.5.											
18:15 - 19:30	CLOSING CEREMONY / Meeting room Mare 1														



**DETAILED
PROGRAMME**

TUESDAY, 13TH JUNE 2023 | ORAL PRESENTATIONS

MARE 1-2, 10. FLOOR	2.1 Biogeodynamics of Mesozoic Marine Carbonate Depositional Systems
<i>Chairpersons: Thomas Steuber and Mariano Parente</i>	
11:00-11:30 Keynote	Biogeodynamics of Cretaceous marine carbonate production Thomas Steuber, Hannes Loeser, Joerg Mutterlose, Mariano Parente
11:30-11:45	Basin to reef transition in the Middle Triassic Northwestern Croatian rift related basin (NCTRB) Tonći Grgasović, Duje Smirčić, Tea Kolar Jurkoviček, Damir Slovenec, Marija Horvat, Josip Halamić, Matija Vukovski, Duje Kukoč
11:45-12:00	Bajocian coral reefs: likely a global reef growth event Arnaud Ruchat, Bernard Lathuilière, Stephan Wohlwend, Gaudenz Deplazes, Herfried Madritsch, Ovie Eruteya, Gregor P. Eberli, Susanne Feist-Burkhardt, Elias Samankassou
12:00-12:15	Biotic and carbon cycle perturbations during OAE1a along the NE Arabian Plate, Zagros Mountains Arman Jafarian, Antun Husinec
12:15-12:30	Astronomical pacing of flint beds in the European chalk sea (type-Maastrichtian, Upper Cretaceous) Jarno Huygh, Matthias Sinnesael, Pim Kaskes, Johan Vellekoop, John W.M. Jagt, Philippe Claeys
13:00-14:30	Lunch break
MARE 1, 10. FLOOR	2.2 Shallow-marine carbonate depositional systems and carbonate platforms
<i>Chairpersons: Thomas Steuber and Mariano Parente</i>	
14:30-14:45	Sediments and facies of modern warm-water carbonate platforms: a global perspective Eberhard Gischler
14:45-15:00	Deciphering the drivers of suspended sediment atop the Great Bahama Bank Cecilia Lopez-Gamundi, Brian Barnes, Paul (Mitch) Harris, Gregor Eberli, Sam Purkis
15:00-15:15	Carbonate sediment dynamics in the Abu Dhabi lagoon Yisi Zhong, Stephen Lokier, Chelsea Pederson, Flavia Fiorini, Dominik Hennhoefer, Yuzhu Ge, Adrian Immenhauser
15:15-15:30	Geochemical analyses and the impact of bioturbation in hardground formation: the Abu Dhabi coastal sabkha Drew Brown, Hilary Corlett, Murray Gingras, Tom Kibblewhite, Fiona Whitaker, John-Paul Zonneveld, Daniela Gutierrez Rueda
15:30-15:45	Coffee break
<i>Chairpersons: Igor Vlahović and Bosiljka Glumac</i>	
15:45-16:00	Coral reef development and sea level changes over the past 50,000 years: new evidence from the northwest shelf of Australia Jody M. Webster, Belinda Dechnik, Kelsey Sanborn, Yusuke Yokoyama, Juan Carlos Braga, Willem Renema, Marc Humblet, Robin J. Beaman, Luke D. Nothdurft, Gregory E. Webb, Jian-Xin Zhao, Richard J. Murphy, Stephen J. Gallagher, Michael O'Leary, Victorien Paumard
16:00-16:15	Fossil coral reef terraces in Southeast Asia as recorder of sea-level changes since the Pleistocene Kathrine Maxwell, Hildegard Westphal, Alessio Rovere, Mirasol Guinto, Kevin Garas

16:15-16:30	Miocene shallow-water tropical transitional carbonate systems in the Caribbean affected by adverse photic zone conditions: characteristics and how they formed Diana Ortega-Ariza, Evan K. Franseen, Marcelle K. Boudagher-Fadel
16:30-16:45	Low scleractinian coral diversity in the incipient Red Sea (Burdigalian, Saudi Arabia) Chiara Pisapia, Guillem Mateu Vicens, Marco Brandano, Lea Tabea Fuchs, Francesca Benzoni, Hildegard Westphal
16:45-17:00	Role of Metamorphic Core Complex (MCC) topography dynamic evolution during the Paleocene–Eocene Thermal Event (PETM): example of Coral Sea (PNG) Aurelien Virgone, Estelle Garnier, Charlie Kergaravat, Ramiro Pierin
MARE 3, 10. FLOOR	4.5 Modern advancements in the characterization of dolomite
<i>Chairpersons: Cole McCormick and Cathy Hollis</i>	
14:30-15:00 Keynote	Tracking trace element concentrations in dolomite during high-temperature experiments Stephen Kaczmarek, Juan Carlos Laya, Mohammed Hashim
15:00-15:15	The effect of Ca-Mg-carbonate mineral phase on oxygen isotope fractionation in experimental dolomites Ariel Martin, Sierra Petersen, Ian Winkelstern, Stephen Kaczmarek
15:15-15:30	Towards an improved understanding of palaeothermometry data in dolomites Mathias Mueller, Benjamin F. Walter, Peter K. Swart, Adrian Immenhauser
15:30-15:45	Coffee break
15:45-16:00	Genesis of island dolostones during rapid island subsidence: example from the Xisha islands, South China Sea Rong Li, Brian Jones, Peijun Qiao, Yuchi Cui, Jianxiang Pei, Xinyu Liu, Lei Shao
16:00-16:15	Rare earth elements in cap dolostones: implications for ocean redox conditions in the aftermath of the Marinoan glaciation Min Ren
MARE 3, 10. FLOOR	5.1 Lake sediments as archives of natural and anthropogenic changes
<i>Chairperson: Marta Marchegiano</i>	
11:00-11:15	Supply-induced transgression in endorheic lakes: a fundamental difference between lacustrine and marine settings Ádám Kovács, Attila Balázs, Orsolya Sztanó
11:15-11:30	Cyclical and non-cyclical stratigraphy in Pliocene lakes of the East African Rift System Jennifer Scott, Daniel Chupik, Mona Stockhecke, Chris Campisano, Taryn Hinton, Alan Deino, Karim Minkara, Nathan Rabideaux, Chad Yost, John Kingston, Andrew Cohen, Ramon Arrowsmith
11:30-11:45	Pliocene environmental conditions in the Levantine Corridor (Near East): perceptions from a multi-proxy study on a lacustrine record Nicolas Waldmann, Kingsley Joh1, John Greenlee, Silas Dean, Christine Hall, Ankit Yadav, Lisa Park-Boush, Isla Castañeda
11:45-12:00	Paleotemperature shifts revealed by seasonal halite records from the Dead Sea Basin during interglacial period MIS 7c Niels Brall, Véronique Gardien, Emmanuel Guillerm, Daniel Ariztegui, Markus Schwab, Philippe Sorrel, Frédéric Caupin
12:00-12:15	Paleoenvironmental and paleoclimatic evolution in Jura lakes since the Late Glacial period Brahimsamba Bomou, Damien Zappa, Anne-Marie Rachoud-Schneider, Jean-Nicolas Haas, Marina Gärtner, Jorge Spangenberg, Vincent Bichet, Thierry Adatte
12:15-12:30	Sedimentary responses to the climatic and environmental variations recorded from lake Karif Shawran in the southern Yemen Shah Parth, Bulbul Mehta, Ilaria Mazzini, Nicolas Waldmann
12:30-12:45	The Atlantic multidecadal variability recorded in a varved sequence in eastern Canada Antoine Gagnon-Poiré, Pierre Francus, François Lapointe

MARE 4, 10. FLOOR	6.1 Coastal depositional systems: understanding past and modern systems for a resilient future
<i>Chairpersons: Valentina M. Rossi and Miquel Poyatos Moré</i>	
14:30-15:00 Keynote	Cenozoic coastal peatlands and giant coal deposits, Gippsland Basin, SE Australia <i>Liz Mahon, Malcolm Wallace, Vera Korasidis</i>
15:00-15:15	Modern Danube river delta front evolution: geomorphic adjustments under anthropogenic pressures <i>Sabin Rotaru, Adrian Stanica, Cornel Olariu</i>
15:15-15:30	Changing characteristics of wave-dominated and wave-influenced compound clinoforms in the rock record <i>Valentina Marzia Rossi, Ariana Osman, Ron Steel, Cornel Olariu, Jana Alabdullatif, Yang Peng, Fernando Rey</i>
15:30-15:45	Coffee break
15:45-16:00	Seismite in Lake Pannon? – Signatures of an extreme event on a sandy delta plain <i>Fanni Szabó, Imre Magyar, Orsolya Sztanó</i>
LUNA, 7. FLOOR	6.2 Mixed process expressions, and controls on sedimentation in tidal systems
<i>Chairpersons: Shahin Dashtgard and Sergio Longhitano</i>	
11:00-11:30 Keynote	Characterizing mixed-energy environments using sedimentary structures <i>Robert W. Dalrymple</i>
11:30-11:45	Interaction between physical and microbial processes in a coastal modern environment: the stabilization of flaser and wavy bedding <i>Diana G. Cuadrado, I. Emma Quijada, Lucía Maisano</i>
11:45-12:00	Tidal shorefaces and their rock record expression: a unifying model and refinement of the coastal-environments classification scheme <i>Shahin Dashtgard, Romain Vaucher, Byongcheon Yang, Robert Dalrymple</i>
12:00-12:15	Facies architectures of a Mesoproterozoic fan delta, Rajgarh Formation, North Delhi Fold Belt, NW India <i>Alok Mall, Biplob Bhattacharya</i>
12:15-12:30	Sedimentology of the Myeonsan and Myobong formations, eastern Korea: a siliciclastic tide-dominated succession formed during Early Cambrian transgression <i>Min-Kyu Oh, Taejin Choi, Seung-Bae Lee, Jeong-Hyun Lee</i>
12:30-12:45	The regressive surface of marine erosion in tidal sand ridges based on drone and field data <i>Sergio G. Longhitano, Johannes Miocic</i>
12:45-13:00	Sea-level changes and strait topography control sedimentary evolution of the Taiwan Strait <i>Xin Shan, Robert Dalrymple, Xuefa Shi, Lina Jin, Chenguang Liu, Zhengquan Yao, Shengfa Liu, Shuqing Qiao, Xisheng Fang</i>
MARE 4, 10. FLOOR	6.3 Coastal boulder deposits (CBD) as archives of extreme wave events
<i>Chairpersons: Tvrtko Korbar and Bosiljka Glumac</i>	
11:00-11:15	Cape Town's fossil beaches aid in reconstructing Pliocene shoreline dynamics <i>Tugce Akkas, Emese M Bordy</i>
11:15-11:30	Monitoring coastal boulder deposits in the Bahamas: records of past hurricanes and future storm-impact baselines <i>Bosiljka Glumac, H. Allen Curran, Michael Savarese</i>
11:30-11:45	Extreme wave boulders at Fenoliga (Premantura, Croatia): inventory storm "footprints" in the northern Adriatic Sea <i>Valeria Vaccher, Stefano Devoto, Matteo Mantovani,</i>
MARE 4, 10. FLOOR	6.4 The sedimentology of coastal storms past & present
<i>Chairpersons: Bosiljka Glumac and Michael Savarese</i>	

11:45-12:15 Keynote	Assessing the impact of Hurricane Ian on the Southwest Florida gulf coast to build resilience capacity <i>Michael Savarese, Dhruvkumar S. Bhatt, Ilya V. Buynevich, Felix Jose, Christopher Daly, Rachel Rotz</i>
12:15-12:30	Evolution and natural recovery of a washover fan, North Adriatic Sea, Italy <i>Giulia Casagrande, Annelore Bezzi, Saverio Fracaros, Davide Martinucci, Simone Pillon, Stefano Sponza, Giorgio Fontolan</i>
12:30-12:45	Polar gravel beaches: recorders of storm climate? <i>Sebastian Lindhorst, Mateusz C. Strzelecki</i>
12:45-13:00	What paleotempestology can say about the intensity and frequency of future Atlantic Basin tropical cyclones <i>Lisa Park Boush, Dawn Beamer</i>
MARE 2, 10. FLOOR	6.6 Shallow-marine clastic depositional systems
<i>Chairpersons: Finn Surlyk and Davor Pavelić</i>	
14:30-15:00 Keynote	A little-known class of marine, high-angle, sub-wave base sandy clinoform beds – a possible motif for shallow marine, intracratonic rifting <i>Finn Surlyk</i>
15:00-15:15	Introduction to a new clastic, wave-dominated shoreline system in southern Montana (USA) <i>Andrea Cuesta Cano, Joep Storms, Guillaume Rongier, Allard Martinus</i>
15:15-15:30	Vertical and lateral facies correlation of Opalinus Clay in central northern Switzerland: towards an integrative depositional model <i>Geraldine Zimmerli, Bruno Lauper, Gaudenz Deplazes, David Jaeggi, Stephan Wohlwend, Anneleen Foubert</i>
15:30-15:45	Coffee break
15:45-16:00	Seyhan–Ceyhan Delta complex and the Plio-Quaternary evolution of the Adana Basin, Eastern Mediterranean Sea, Türkiye <i>Yasemin Geze Kalanyuva, Nizamettin Kazancı</i>
16:00-16:15	Investigation of a deltaic thermal water reservoir formation in the Zala region (SW Hungary) to estimate the "geothermal reinjection potential" <i>Ábel Markó, Marianna Tóth, Maren Brehme, Judit Mádl-Szőnyi</i>
PINIJA, 9. FLOOR	8.1 Subaqueous sediment gravity flow processes and products
<i>Chairpersons: Joanna Pszonka and Xin Shan</i>	
15:00-15:15	Evaluation of turbulent diffusion of suspended particulates <i>Lawrence Amy, Robert Dorrell, Jaco Baas</i>
15:30-15:45	Coffee break
<i>Chairpersons: Joanna Pszonka and Xin Shan</i>	
15:45-16:15 Keynote	A new process model for hybrid event beds: the importance of debritic heads <i>Jeffrey Peakall, Jaco Baas, Niall Tracey</i>
16:15-16:30	Predicting pre-lithification mud bed density and yield stress from chevron marks and striated groove marks <i>Jaco H. Baas, Dylan McGowan, Amisha Salian, Jeff Peakall, James L. Best</i>
16:30-16:45	Quantifying water entrainment processes in turbidity currents by direct measurements in the Monterey Canyon (California) <i>Natasha Chappelow, Matthieu Cartigny, Peter Talling, Charles Paull, Steve Simmons, Katherine Maier, Daniel Parsons, Jingping Xu, Michael Clare, Roberto Gwiazda, Eve Lundsten, Krystle Anderson, Mike McCann, Christopher Lovera, Mark Chaffey, Tom O'Reilly, Jenny Gales, Brian Kieft, Ester Sumner</i>
16:45-17:00	The role of hyperpycnal flows in the preservation of fossil medusae in the Eocene flysch from the Slovenian coast <i>Boštjan Rožič, Alfred Uchman, Alenka Malej, Branko Čermelj, Luka Gale, Timotej Verbovšek</i>

DUBRAVA-1, 9. FLOOR	
11.2 Trace fossils in sedimentological analysis in space and time	
<i>Chairpersons: Anthony P. Shillito and Maximiliano Paz</i>	
11:00-11:15	Early Cambrian trace fossils in shallow-marine quartzites from Baltica and their implications for sedimentary stasis and anactualistic sedimentation <u>Yorick P. Veenma</u> , Neil S. Davies, Ben J. Slater, Graham E. Budd
11:15-11:30	Temporal constraints on the ichnofacies paradigm <u>Anthony P. Shillito</u> , Luis A. Buatois, M. Gabriela Mángano
11:30-11:45	The interplay of animal and plant life, landscape and sedimentation in a Devonian distributive fluvial system: evidence from the Hangman Sandstone Formation of SW England <u>Neil S. Davies</u> , William J. McMahon
11:45-12:00	Long-term sea-level changes and paleoenvironmental conditions: ichnological analysis of the Late Pennsylvanian Midcontinent Sea <u>Javier Fernández-Martínez</u> , Francisco J. Rodríguez-Tovar, Francisca Martínez Ruíz, Thomas J. Algeo
12:00-12:15	From grains to tracks: the role of substrate on the anatomical fidelity of dinosaur tracks (upper Stormberg Group, southern Africa) <u>Loyce Mpangala</u> , Miengah Abrahams, Emese M. Bordy
12:15-12:30	The role of oxygen and substrate on trace-fossil distribution in the fine-grained Vaca Muerta Formation (Upper Jurassic–Lower Cretaceous, Argentina) <u>Maximiliano Paz</u> , Maria Gabriela Mángano, Luis A. Buatois, Patricio R. Desjardins, Daniel Minisini, Federico González Tomassini, Maximiliano N. Rodríguez, Egberto Pereira, Manuel Fantín, Martin N. Parada, Noelia B. Carmona
12:30-12:45	Variation in Lower Cretaceous coastline morphology and resulting depositional conditions along the Scotian Margin, Canada <u>Lynn T. Däfoe</u> , R. Andrew MacRae, Vânia Correia, Rob A. Fensome
13:00-14:30	Lunch break
<i>Chairpersons: Anthony P. Shillito and Maximiliano Paz</i>	
14:30-14:45	An ultra-stressed infaunal niche and ichnology of restricted xylic embayment setting from the early Eocene of western Kutch (Kachchh) basin <u>Renzo D'souza</u> , Sudipta Dasgupta, Abhishek Natarajan, Mohuli Das, David Rajkhowa
14:45-15:00	Carbonate ichnology of the Early Eocene Naredi Formation, Kutch (Kachchh) basin, Gujarat, India: Evaluating paleo-environmental controls and biotic responses <u>Mohuli Das</u> , Sudipta Dasgupta, Renzo D'souza
15:00-15:15	"Kuphus tube"? Or Teredolites? What does the Cenozoic carbonate intervals of the western Kutch (Kachchh) Basin of India suggest? <u>Ayush Srivastava</u> , Sudipta Dasgupta, Mohuli Das
15:15-15:30	Evolution of coastline depositional systems in a tropical forearc basin during the Oligocene–Miocene in the Colombian Caribbean: signals from well-cores integrative sedimentological, ichnological, and micropaleontological analysis <u>Sergio A. Celis</u> , Francisco J. Rodríguez-Tovar, Andrés Pardo-Trujillo, Fernando García-García, Carlos A. Giraldo-Villegas
15:30-15:45	Coffee break
<i>Chairpersons: Anthony P. Shillito and Maximiliano Paz</i>	
15:45-16:00	Ichnology of the "paleo-Brahmaputra" shelf-margin hyperpynal-deltaic system from the Miocene Boka Bil–Tipam formations of the Chittagong–Tripura Fold Belt, Bangladesh <u>Sudipta Dasgupta</u> , Shachi A. Bajpai, Md. Sakawat Hossain, Md. Sharif Hossain Khan
16:00-16:15	Trace fossils from Miocene to Pleistocene tidal straits in southern Italy: implications for the ichnofacies model <u>Luis A. Buatois</u> , M. Gabriela Mángano, Valentina M. Rossi, Sergio G. Longhitano, Julio Leva López, Domenico Chiarella, Marcello Gugliotta
16:15-16:30	Seeing through mud: effects of CT scanning on the ichnological interpretation of the Mira River estuary, Portugal <u>Alina Shchepetkina</u> , Teresa Drago, Jacqueline Santos, Ana Alberto

16:30-16:45	Burrow distributions in an active intertidal dune field in White Rock, British Columbia, Canada <u>Scott Melnyk</u> , Cody N. Lazowski, Murray K. Gingras
DUBRAVA-2, 9. FLOOR	
<i>Chairpersons: Guido Pastore and Muhammad Usman</i>	
11:00-11:15	Constraining the timescales of intermediate sediment storage and refining sediment routing <u>Maximilian Dröllner</u> , Milo Barham, Christopher L. Kirkland, Malcolm P. Roberts
11:15-11:30	The physical abrasion of plastic to form microplastics: an experimental approach <u>Alice Fugagnoli</u> , Arnoud Boom, Sarah Gabbott
11:30-11:45	New sedimentological data from the Okavango wetlands (Botswana): and endorheic sink for microplastic particles of the Cubango Okavango River Basin <u>Fulvio Franchi</u> , Tumisang Thekiso, Liam Kelleher, Uwe Schneidewind, Stefan Krause, Vittorio Maselli, Mike Murray-Hudson
11:45-12:00	Two sides of the same coin? Benefits of comparative study of mudstones from early Mars and Earth <u>Juergen Schieber</u> , Max Coleman, Wladyslav Altermann
12:00-12:15	Multi-technique provenance analysis of the Palaeogene aeolian dust deposits at Ulantatal, Inner Mongolia, China <u>Katja Bohm</u> , Joonas Wasiljeff, Thomas Stevens, Johanna Salminen, Yann Lahaye, Matti Kurhila, Zhaoqun Zhang, Anu Kaakinen
12:15-12:30	Danubian sediments from Alpine–Carpathian en route to the Black Sea: a geochronological, lithological and geomorphological source-to-sink approach <u>Iulian Pojar</u> , Mihaela Melinte-Dobrinescu, Andrei Gabriel Dragoş, Relu Dumitru Roban, Mihai Ducea, Cornel Olariu, Tomas Capaldi
12:30-12:45	Nile river – regional paleogeography, stratigraphy and paleo-drainage reconstruction (Eocene–present) and its implication to the hydrocarbon exploration <u>Dubravko Lučić</u> , Tomislav Baketarić, <u>Alan Vranjković</u>
12:45-13:00	Provenance record of paleo-drainage evolution in the Zagros–Makran Transition Zone: linking from source to sink <u>Parisa Gholamizadeh</u> , Fuyuan Wu, Bo Wan, Xiumian Hu, Zhiyong Zhang, Rasoul Esmaeili
13:00-14:30	Lunch break
<i>Chairpersons: Guido Pastore and Muhammad Usman</i>	
14:30-14:45	Cretaceous mafic magmatism as revealed by sedimentary provenance analysis in the Putumayo Basin, Colombia: implications for the regional tectonic evolution <u>Alejandro Beltrán-Triviño</u> , Cristian Valencia-Arias, Andrés Marcelo Romero-Soto, Manuel Páez-Reyes, Javier Luque, Stefan Liedel, Luca Caracciolo
14:45-15:00	The provenance of Upper Jurassic–Lower Cretaceous sediments of the Ceahlău–Severin Ocean: discriminating between passive margins source areas based on U–Pb detrital zircons ages <u>Relu-Dumitru Roban</u> , Mihai Ducea, Peter Luffi, Ioan Munteanu, Iuliana Lazăr, Victor Barbu, Constantin Lazăr, Mihaela Melinte-Dobrinescu
15:00-15:15	Use of heavy minerals as provenance indicator in fluvial successions of Paleo–Mesozoic Pranhita–Godavari Gondwana Rift Basin, India <u>Sankar Kumar Nahak</u> , Sanghita Dasgupta, Prabhakar N, Santanu Banerjee
15:15-15:30	The provenances and source-to-sink system evolution of Permian in NW Junggar Basin, China <u>Zhijie Zhang</u> , Xingyu Chen, Chuanmin Zhou, Li Wan, Xuanjun Yuan, Dawei Cheng
15:30-15:45	Coffee break
<i>Chairpersons: Guido Pastore and Muhammad Usman</i>	
15:45-16:00	Provenance of Upper Carboniferous sediments in the western Taebaeksan Basin, Korea: tectonic implications <u>Mun Gi Kim</u>
16:00-16:15	Sedimentary evolution and controlling factors of beach bar sand bodies: a case study of Neogene in Zhahaquan Area, western Qaidam Basin <u>Yi Dinghong</u>

PINIJA, 9. FLOOR	14.1 Intramountain basins – recorders of tectonics, climate, and biota interactions
<i>Chairpersons: Marijan Kovačić and Oleg Mandić</i>	
11:00-11:30 Keynote	Deep drilling in ancient Lake Ohrid reveals 1.4 Myr of geological and evolutionary history <u>Thomas Wilke</u>
11:30-11:45	Terrestrial carbon cycles unravelling longer-term patterns of ecosystem and climate following the end-Cretaceous extinction <u>Xianghui Li, Jingyu Wang, Yongxiang Li, Yin Wang, Chengyu Zheng</u>
11:45-12:00	Tectonic control on the deposition of the travertine in Levač Basin (Serbia): insight on miocene extensional phases in the Dinarides – southernmost Carpathians junction <u>Nevena Andrić-Tomašević, Vladimir Simić, Dragana Životić, Nenad Nikolić, Aleksandra Pavlović, Tobias Kluge, Aratz Beranoaguirre, Jeroen Smit</u>
PINIJA, 9. FLOOR	14.2 Tectonics and sedimentation
<i>Chairpersons: Nevena Andrić-Tomašević and Oleg Mandić</i>	
12:00-12:15	Structural and sedimentary characterisation of Rotliegend units at the basement/sedimentary unconformity: implications for heat storage development in the Upper Rhine Graben <u>Claire Bossennec, Lukas Seib, Matthias Landau, Paul Henri Meinaß, Matthieu Dadou, Leandra Weydt, Ingo Sass</u>
12:15-12:30	Prism-top or retro-prism forearc basin? Evaluating tectonic models for Danian (Paleocene) strata of the southwest Canadian Cordillera <u>Chuoqiao Huang, Shahin Dashtgard, H. Dan Gibson, Joel Saylor</u>
12:30-12:45	Tectonic control on the formation of Middle Miocene Leitha build-ups in the Pannonian Basin <u>Dániel Nyíri, Csilla Zdravec, László Fodor, Orsolya Sztanó</u>
12:45-13:00	Late Cretaceous inversion tectonics as a driver for the development of the Szozdy Deltaic System in the heart of the Polish Basin <u>Zbyszek Remin, Michał Cyglicki, Mariusz Niechwedowicz</u>
13:00-14:30	Lunch break
<i>Chairpersons: Nevena Andrić-Tomašević and Oleg Mandić</i>	
14:30-14:45	Tectonostratigraphic control on the development of Mississippian carbonate platforms in the southern Irish Sea Basin <u>Maulana Rizki Aditama, Cathy Hollis, Mads Huuse, David Healy, Darren Jones</u>
14:45-15:00	Sequence stratigraphy of the Pliocene – Pleistocene infill in the southern part of the Adriatic foredeep system <u>David Rukavina, Bruno Saftić, Iva Kolenković Močilac, Marko Cvetković</u>
15:00-15:15	The propagation of the 1693 tsunami wave in Catania, Italy based on multiple scenario simulation <u>FX Anjar Tri Laksono, Laura Borzi, Salvatore Distefano, Agata Di Stefano, János Kovács</u>

| TUESDAY, 13TH JUNE 2023 | POSTER PRESENTATIONS

2.2 Shallow-marine carbonate depositional systems and carbonate platforms	
<i>Moderators: Thomas Steuber and Igor Vlahović</i>	
2.2-P-01	Updated facies models for the Middle Jurassic Bathonian–Callovian Upper Dhruma, and Tuwaiq Mountain Formations of Central Arabian Plate <u>Sayed Hassan Alsayhaji, Jihede Haj Messaoud, Najeh Ben Chaabanea, Philippe Razin, Frans Van Buchem</u>
2.2-P-02	“Temperate-like” seagrass development in a (sub) tropical terrigenous-influenced inner ramp setting (Middle Eocene, Urbasa–Andia Plateau, Western Pyrenees) <u>Juan Ignacio Baceta, Guillem Mateu-Vicens</u>
2.2-P-03	Cretaceous to Middle Miocene carbonate platforms of SE Romania <u>Andrei Briceag, Vlad Apotrosoaei, Eliza Anton, Mihaela C. Melinte-Dobrinescu</u>
2.2-P-04	Carbonate depositional models based on well-logging data statistics analysis: a case study of the Callovian–Oxfordian stage in The Amu Darya Basin, Abu Dhabi <u>Hao Cheng, Zhenkui Jin, Rukai Zhu, Jinyi Wang, Gang Su</u>
2.2-P-05	Facies, depositional setting and sequence stratigraphic evolution of Cenomanian to Turonian shallow water platform carbonates from southern and central Jordan <u>Tojo Chirakal, Carine Grelaud, Jihede Messaoud, Amir Kalifi, Najeh Benchabaane, Frans van Buchem, Khalil Ibrahim, John Powell</u>
2.2-P-06	Environmental changes during the late Holocene in the lagoon of Rasdhoo atoll (Maldives) <u>Diana Diers, Annika Reineke, Daniel Walkenfort, Marc Humblet, Eberhard Gischler</u>
2.2-P-07	Development of reef microbialites from Eemian portions of the Grotto Beach Formation, San Salvador Island, Bahamas <u>David H. Griffing, Bosiljka Glumac, H. Allen Curran</u>
2.2-P-08	Tortonian–Early Messinian carbonate ramp development in the Paleoadriatic domain, the role of Mediterranean evolution on carbonate factory and facies belt: insight from the Lithothamnion Limestone (Majella, Central Apennines, Italy) <u>Diego Marianelli, Irene Cornacchia, Letizia Di Bella, Alessandro Mancini, Marino Domenico Barberio, Maurizio Barbieri, Andrea Ferrini, Marco Brandano</u>
2.2-P-08-B	Characteristics of subaerial exposure surfaces marking terrestrial periods during Late Cretaceous to Early Palaeogene carbonate platform evolution, the island of Brač (Croatia) <u>Maja Martinuš, Blanka Cvetko Tešović, Ivor Perković, Igor Vlahović</u>
2.2-P-09	Facies analysis, biostratigraphy and isotope chemostratigraphy of the Upper Jurassic–lowermost Cretaceous transition in the eastern Getic Carbonate Platform <u>Cristian Victor Mircescu, Ioan I. Bucur, George Pleş</u>
2.2-P-10	Brecciated carbonate rocks within Late Cretaceous Bagh Group, Central India: Implications on genesis and paleoenvironment <u>Prantik Mondal, Biplab Bhattacharya, Kalyan Halder</u>
2.2-P-11	Carbonate factory response through the MECO event: insight from the Middle Eocene of the Apulia Carbonate Platform <u>Claudia Morabito, Khalid Al-Ramadan, Jonathan L. Payne, Daniel J. Lehrmann, Cesare Andrea Papazzoni, Michele Morsilli</u>
2.2-P-12	Contrasting shorelines of an Albian carbonate platform (Cantabria, Spain): tidal flats versus eroded–bioturbated emergent surfaces <u>María Najarro, Idoia Rosales</u>

2.2-P-13	Paleogeographic evolution of the Early–Middle Jurassic carbonate succession of the Sciacca area (southwestern Sicily) Francesca Petrella, Simona Todaro, Attilio Sulli
2.2-P-14	Mixed carbonate–siliciclastic tidal sedimentation in the Río Alías Strait, Early Pliocene, SE Spain Ángel Puga-Bernabéu, Fernando Sola, Juan Carlos Braga
2.2-P-15	Sedimentology and palaeontology of tidal carbonates from the Upper Triassic of the Internal Zones of the Betic Cordillera (SE Spain) Jesus Reolid, Matias Reolid
2.2-P-16	Current pathways in rudist-dominated Upper Cretaceous shelves. Case studies from the Adria Promontory Daniela Ruberti
2.2-P-17	A benthic community biodiversity crisis documented on a Rhaetian carbonate succession from Western Tethys (Sicily) Simona Todaro, Manuel Rigo, Lydia Tackett, Pietro Di Stefano
2.2-P-18	Diagenetic evolution of platform carbonates flanking diapiric structures: example from Tazoult salt wall (High Atlas, Morocco) Álvaro Chaves, Juan Diego Martín-Martín, Gabriel Cofrade, Mohammed El Gettafi, Anna Travé
4.5 Modern advancements in the characterization of dolomite <i>Moderators: Cole McCormick and Cathy Hollis</i>	
4.5-P-01	Understanding magnesium-rich carbonates with warped crystal lattices: an experimental approach Yifan Zhang, Mathias Mueller, Rene Hoffmann, Sylvia Richelmann, Sumit Chakraborty, Christopher Beyer, Adrian Immenhauser
5.1 Lake sediments as archives of natural and anthropogenic changes <i>Moderator: Marta Marchegiano</i>	
5.1-P-01	Limnological responses to human activity: an example of varved record of Lake Lubińskie (western Poland) Alicja Bonk, Natalia Piotrowska, Maurycy Żarczyński, Dirk Enters, Mirosław Makohonienko, Monika Rzodkiewicz, Wojciech Tylmann
5.1-P-02	Are diatoms and chrysophyte cysts reliable indicators of meteorological conditions? A case study from eutrophic Lake Żabińskie, northeastern Poland Agnieszka Szczerba, Alicja Bonk, Sergi Pla-Rabes, Wojciech Tylmann
5.1-P-03	Holocene lacustrine paleoenvironmental evolution from Cameroon lakes (SW Africa) Armel Zacharie Ekoa Bessa, Paul-Désiré Ndjigui, Thierry Adatte, John S. Armstrong-Altrin
5.1-P-04	Environmental implications of nodular carbonate-bearing fluorapatite (CFA) in the lacustrine shale of the Shahejie Formation, Dongying Depression, Bohai Bay Basin: insight from petrographic and geochemical analysis Pengjie Ma, Chunmei Dong, Chengyan Lin, Guiang Li
5.1-P-05	Sedimentary and inorganic geochemistry records of Early Cretaceous paleoclimate fluctuations in lacustrine sediments, Luanping Basin, northeastern China Wenmiao Zhang, Benzhong Xian, Hancheng Ji, Rongheng Tian, Sirui Chen
6.1 Coastal depositional systems: understanding past and modern systems for a resilient future <i>Moderators: Valentina M. Rossi and Miquel Poyatos Moré</i>	
6.1-P-01	The role of an intensified Early Holocene summer monsoon on the sedimentation and stratigraphic evolution in the macrotidal embayment, mid-western Korea Seung Yeon Sohn, Phanthoulaasa Valaphone, Joohee Jo, Kyungsik Choi
6.1-P-02	MISS generated in a temperate hypersaline relic estuarine saltpan, with current continental influence María Florencia Yorlano, Lucía Maisano, Diana Graciela Cuadrado, Jerónimo Pan

6.1-P-03	Depositional environments along an arid coast and its implications for dispersal processes to basinal settings: case study along eastern margin of the silt-dominated, Lower Triassic Montney Formation of the Western Canada Sedimentary Basin Carolyn M. Furlong, Patricia E. Fraino, Omid Haeri Ardakani, Per K. Pedersen
6.1-P-04	Sedimentary architecture of the UGS Dolni Dunajovice Václav Hladík, Slavomír Nehyba
6.1-P-05	Impact of submarine karstic sulfur rich springs on sediment environment (Izola, northern Adriatic Sea) Petra Žvab Rožič, Vlasta Čosović, Rahela Šanjek, Eric Hadžić, Mihovil Rakarić, Željko Ištuk, Branko Čermelj, Kaja Šušmelj
6.2 Mixed process expressions, and controls on sedimentation in tidal systems <i>Moderators: Shahin Dashtgard, Robert Dalrymple and Sergio Longhitano</i>	
6.2-P-00	From concept to reservoir modelling: the record of tide-dominated, progradational shoreline systems Agustín Argüello Scotti, Christian Haug Eide, Ingrid Aarnes, Ragnar Hauge, Jacob Skauvold, John Howell
6.2-P-01	Sand-rich, mixed-energy, tide-influenced deltaic system: Upper Jurassic–Lower Cretaceous Bidu Formation, Central Iran Juraj Janocko, Majid Mirzaie Ataabadi, Marta Prekopova, Mahmood Sharafi, Giorgio Basilici, Azita M. Shalamzari
6.2-P-02	Deltas affected by longshore currents: insights from numerical model Julio Leva López, Valentina Marzia Rossi, Douglas Edmonds, Cornel Olariu, Ron Steel, Sergio Longhitano, Domenico Chiarella
6.2-P-03	Reconstruction of tidal–fluvial processes in the eastern part of the North Sea Basin during the Lower Miocene, northern Poland Robert J. Sokołowski
6.3 Coastal boulder deposits (CBD) as archives of extreme wave events <i>Moderators: Tvrtko Korbar and Bosiljka Glumac</i>	
6.3-P-01	Coarse-clast storm deposit and solitary boulders on the island of Mana (NP Kornati, central Adriatic, Croatia) Tvrtko Korbar, Dražen Navratil, Cléa Denamiel, Branko Kordić, Sara Biolchi, Ivica Vilibić, Stefano Furlani
6.3-P-02	Facies and implications of a coarse-grained lacustrine onshore paleo-tsunamiite: an integrated study of an Upper Miocene bouldery cobble gravel Orsolya Sztanó, Soma Budai, Imre Magyar, László Fodor
6.4 The sedimentology of coastal storms past & present <i>Moderators: Bosiljka Glumac and Michael Savarese</i>	
6.4-P-01	Soft-sediment-induced seafloor relief control on bedforms, Early Triassic Sulphur Mountain Formation (Alberta, Canada) Patricia E. Fraino, Carolyn M. Furlong, Per K. Pedersen
6.4-P-02	Monitoring of pebble-beach response to typhoons using a drone photogrammetry, Wando, southern coast of Korea Chaon Kim, Tae Soo Chang
6.6 Shallow-marine clastic depositional systems <i>Moderators: Finn Surlyk and Davor Pavelić</i>	
6.6-P-01	Stratigraphic architecture of the Pliocene extensional Valdelsa Basin in the hinterland of the Northern Apennines (Italy): data from the CARG Project Lorenzo Milaneschi, Gianluca Cornamusini, Luca Maria Foresi, Ivan Martini, Paolo Conti, Giovanni Pio Liberato, Enrico Tavarnelli
8.1 Subaqueous sediment gravity flow processes and products <i>Moderators: Joanna Pszonka and Katarina Gobo</i>	

8.1-P-01	Coarse-grained channel–lobe transition zone and channel–levee complex in Late Eocene deposits from Colombian Caribbean Sergio A. Celis, Fernando García-García, Francisco J. Rodríguez-Tovar, Andrés Pardo-Trujillo, Carlos A. Giraldo-Villegas
8.1-P-02	Holocene sedimentary processes in submarine canyons offshore Pointe-des-Monts (Lower St. Lawrence Estuary, Canada) Florian Jacques, Jean-Carlos Montero-Serrano, Alexandre Normandeau, Audrey Limoges, André Rochon, Guillaume St-Onge, Patrick Lajenese
8.1-P-03	Stratigraphic cycles in turbidite sand sheet systems – implications for progradation/retrogradation cycles Jianan Wu, Guozhang Fan, Lin Li, Hongxia Ma, Xiaoyong Xu, Liangbo Ding, Guoping Zuo
11.2 Trace fossils in sedimentological analysis in space and time <i>Moderators: Anthony P. Shillito and Maximiliano Paz</i>	
11.2-P-01	Ichnology of a Lower Cretaceous Nova Scotian shelf-edge delta: the Missisauga Formation from the Sable Subbasin, offshore eastern Canada Shachi A. Bajpai, Sudipta Dasgupta, Luis A. Buatois
11.2-P-02	Nummipera saraswati: A proposed armored ichnospecies in a transgressive nummulitic-bank setting from the early Eocene (Ypresian) Naredi Formation, Kutch (Kachchh) basin of India Mohuli Das, Sudipta Dasgupta
13.5 Provenance of sediments – from source to sink <i>Moderators: Guido Pastore and Muhammad Usman</i>	
13.5-P-01	The abundance of detrital muscovite in Paleocene–Eocene uraniferous strata sheds a new light on paleo-drainage system, Chu Sarisu Basin, southern Kazakhstan Alibek Abeuov, George Mathews, Antoine Dillinger, Emmanuelle Chanvry, Yerlibek Bolat, Milovan Fustic
13.5-P-02	Head in the sand? An inter-laboratory comparison on detrital zircon age spectra reproducibility Maximilian Dröllner, Milo Barham, Christopher L. Kirkland
13.5-P-03	Košna conglomerates in the Velebit Mt., Croatia: particle composition, provenance and depositional environment Karmen Fio Firi, Iva Palatinuš, Katarina Gobo, Frane Marković, Jasenka Sremac
13.5-P-04	The provenance of rutile and zircon from the Miocene Zr–Ti placer deposits, Ukraine Olena Ganzha, Leonid Shumlyansky, Jakub Kotowski, Volodymyr Belskyi
13.5-P-05	Sediment origin of the Black Flysch and the Ceahlău thrust sheets from the Eastern Carpathians – tectonic implications Relu Dumitru Roban, Constantin Lazăr, Iuliana Lazăr, Peter Luffi, Ioan Munteanu, Doru Bădescu, Anca Bărlă, Mihai Duca
13.5-P-06	Plastic pellets as sedimentary components on a coastal dune system Simona Todaro, Valentina Censi, Daniela Piazzese, Attilio Sulli
13.5-P-07	Sediments buffering system in the Thar sand dunes for provenance studies Muhammad Usman, Giovanni Vezzoli, Sergio Andò, Guido Pastore, Pieter Vermeesch, Marta Barbarano, Eduardo Garzanti
13.5-P-08	Provenance assessment of the Triassic Chang 6 Formation in the west Yanchi area, Ordos Basin, China Shangfeng Yang, Zhidong Bao, Lihua Zhu, Sheng Ding, Bohua Zhu
14.1 Intramountain basins – recorders of tectonics, climate, and biota interactions <i>Moderators: Marijan Kovačić and Oleg Mandić</i>	
14.1-P-01	Orbitally induced climate signal in the Lower Cretaceous synrift lacustrine sediments of the Enciso Group (eastern Cameros Basin, N Spain) Carlos L. Liesa, Ana R. Soria, Arantxa Luzón, María J. Mayayo, Alfonso Yuste, Ana Angulo, Natalia Illueca, Juan P. Rodríguez-López, Antonio Pérez, Arsenio Muñoz

14.1-P-02	Middle Miocene continental paleoenvironmental records from the Dinaride Lake System Marlene Löberbauer, Oleg Mandić, Nevena Andrić Tomašević, Gaby Sanchez-Ortiz, Jeremy K.C. Rugenstein, Davor Pavelić, Vedad Demir, Walter Kurz, Gerald Auer, Maud J.M. Meijers
14.1-P-03	Climate, tectonics and microbial influence in sedimentation in a Cretaceous carbonate Mg-rich shallow lacustrine system (Aguilon sub-basin, Iberian Basin) Aránzazu Luzón, María José Mayayo, Carlos Liesa, Ana Rosa Soria
14.1-P-04	Shallow to deep marine and continental deposition in the Hațeg intramountain basin (SW Romania): influence of the tectonics on the biotic changes Mihaela Melinte-Dobrinescu, Andrei Briceag, Gabriel Ion, Eliza Anton, Iulian Pojar, Vlad Apotrosoaei, Constantin Lazar
14.1-P-05	Late Quaternary tectono-climatic coupled geomorphological and sedimentary feedback in Trans-Himalayan Spiti River Basin, Himachal Pradesh, India Uday Sharma, Yogesh Ray, Satish J. Sangode
14.1-P-06	Paleowind directions recording Late Cretaceous monsoon in East Asia Jingyu Wang, Xianghui Li
14.2 Tectonics and sedimentation <i>Moderators: Nevena Andrić-Tomašević and Oleg Mandić</i>	
14.2-P-01	Thermal evolution of the Permian Claromecó foreland basin (southern Gondwana, Argentina) based on organic petrology and basin modelling Maria Belen Febbo, Silvia Omodeo-Salé, Andrea Moscarrello
14.2-P-02	Reconstruction of palaeoclimate of Shyok Valley to understand glacial dynamics using Optically Stimulated Luminescence (OSL) dating method Pranshu Bhardwaj, Y.C. Nagar, Tejpal Singh, M.S. Shekhar
14.2-P-03	Interplay between extension, salt-tectonics and sedimentation in a proximal rifted margin (Basque–Cantabrian Basin, westernmost Pyrenees) Arantxa Bodego, Martin Ladron de Guevara, Eneko Iriarte
14.2-P-04	Subsidence analysis of the Cantabrian Zone Foreland Basin (Carboniferous, NW Iberia) José Federico Del Pozo, Óscar Merino-Tomé, Mar Moragas, Jaume Vergés, Luis Pedro Fernández, Juan Luis Alonso, Juan Ramon Bahamonde, Elisa Villa, Urs Schaltegger, Dylan Colon, Jaime Martín-Llaneza, Carmen Álvarez-Vázquez, John Knight, Juan Ignacio Peláez, Iván Díaz-García, Isabel Emma Quijada Van den Berghe, Arsenio Muñoz, Gabriel Gutiérrez-Alonso
14.2-P-05	Carbonate platforms in the Variscan foreland basin of the NW Spain: a tool for quantifying tectonic flexure, accommodation and sedimentation rate Óscar Merino-Tomé, Juan Ramón Bahamonde, Luis Pedro Fernández, José Federico Del Pozo, Elias Samankassou, Giovanna Della Porta, Valentin Chesnel, Juan Luis Alonso, Jaume Vergés, Mar Moragas, Elisa Villa, Jaime Martín-Llaneza, Dylan Colon, Urs Schaltegger, Iván Díaz-García, Isabel Emma Quijada Van den Berghe, Arsenio Muñoz, Gabriel Gutiérrez-Alonso
14.2-P-06	Topographic response to invasion: the Ordos Loess Plateau, Central China Mengyue Duan, Franz Neubauer, Jörg Robl, Xiaohu Zhou, Moritz Liebl, Anne-Laure Argentin, Yunpeng Dong, Flora Boekhout
14.2-P-07	Organic matter from clastic injectites in the Menilite Beds of Poland, Ukraine and Romania (Outer Carpathians) Anna Filipek, Anna Wysocka, Leszek Jankowski, Marcin Barski
14.2-P-08	Cenozoic massive carbonate breccia in the External Dinarides of Croatia: the largest outcrop on the island of Krk Darko Matešić, Bojan Matoš, Andrea Billi, Luca Smeraglia, Simone Fabbi, Lucija Balaić, Igor Vlahović
14.2-P-09	Tectonosedimentary variations from Permian to Triassic in the southeastern part of the Central Graben of the Norwegian continental shelf Norman Urrez, Solveig Hellenen, Carita Augustsson, Dora Marín

WEDNESDAY, 14TH JUNE 2023 | ORAL PRESENTATIONS

MARE 3, 10. FLOOR	1.2 Cave sediments – archives of past environmental changes
<i>Chairpersons: Nadja Zupan Hajna and Tomislav Kurečić</i>	
9:00-9:15	Varve-like sediments in caves from the northern rim of the Dachstein Massif (Austria) Franziska Holzer, Susanne Gier, Lukas Plan
9:15-9:30	Changes in cave sedimentation mechanisms during the Late Quaternary: an example from the Lower Cerovačka Cave, Croatia Tomislav Kurečić, Neven Bočić, Lara Wacha, Koralka Bakrač, Anita Grizelj, Dinko Tresić Pavičić, Christopher Lüthgens, Andreja Sironić, Siniša Radović, Loris Redovniković, Markus Fiebig
9:30-9:45	Carbonates that defy gravity Adrian Immenhauser, Sylvia Riechelmann, Rene Hoffmann, Mathias Mueller, Dieter Buhl
9:45-10:00	Sedimentology and provenance of unroofed cave sediments as paleoflow proxies, Laški Ravnik (central Slovenia) Primož Miklavc, France Šušteršič, Matej Lipar, Andrej Šmuc
10:00-10:15	Mid-to-Late Holocene climate changes in the Southwestern USA inferred from stable isotope analysis of ice in lava tube caves Bogdan P. Onac, Laura Calabrò, Viorel Atudorei, Victor J. Polyak, Steven M. Baumann, Eric Weaver, Yemane Asmerom
10:15-10:30	Great Blue Hole: a 7000-year-long sedimentological archive of tropical cyclone frequency at annual resolution Dominik Schmitt, Eberhard Gischler, Martin Melles, Hermann Behling, Lyudmila Shumilovskikh, Flavio S. Anselmetti, Hendrik Vogel, Jörn Peckmann, Daniel Birgel
10:30-10:45	Coffee break
10:45-11:00	Sedimentological record in the Mio–Quaternary speleogenetic evolution of the Loza Cave System (Slavinski ravniki, SW Slovenia) Astrid Švara, Nadja Zupan Hajna, Šimon Kdýr, Petr Pruner, Pavel Bosák, Jon Woodhead, Helena Hercman, Paula Sierpień, Ivan Horáček
11:00-11:15	Sedimentation in caves: clastic cave sediments and speleothem multiproxy datasets; examples from Slovenia Nadja Zupan Hajna, Pavel Bosák, Petr Pruner, Šimon Kdýr, Astrid Švara, Andrej Mihevc
MARE 3, 10. FLOOR	1.3 Continental carbonates, karst and cave deposits
<i>Chairpersons: Bojan Otoničar and Alessandro Mangione</i>	
11:15-11:30	Diagenesis of Palaeozoic–Mesozoic Tethys Ocean carbonate succession – Oman Mountains Alham Al-langawi
11:30-11:45	Genesis of ferruginous grain coatings in palustrine limestones, the Early Jurassic of India Parthasarathi Ghosh, Concepción Arenas Abad, Shantanu Datta
11:45-12:00	Characteristics of differential distribution of fracture–cavity karst reservoirs in different carbonate sedimentary environments in Tabei area, Tarim Basin Fenglei Li, Chnegyan Lin, Lihua Ren, Guoyin Zhang
12:00-12:15	Controls in polygenetic karst from the Upper Jurassic rimmed carbonate platform in offshore Kenitra, Morocco Ruben Loma Villacorta, Jose Luis Trigo Sanchez, Luis Miguel Castañares Tejada, Alvaro Jimenez Berrocoso

12:15-12:30	Hypogenic void systems in Mississippian carbonates (UK) and implications for geothermal heat production Alessandro Mangione, Cathy Hollis, Corinna Abesser, Vanessa Banks, Andrew Farrant, Andres Gonzalez-Quiros, John Gunn, Alexander Klimchouk, Richard Shaw, Wenwen Wei, Fiona Whitaker
12:30-12:45	Assessing the age and evolution of a 30 Ma old karstic system by in-situ U–Pb dating of calcite cements Kevin Moreau, Benjamin Brigaud, Simon Andrieu
12:45-13:00	Relative sea level changes recorded in the stratigraphic position of paleokarst caves/cavities and associated cave sediments; Podgrad, SW Slovenia Bojan Otoničar
13:00-13:15	Using southern Guizhou modern karst systems as analogs for the Ordovician paleokarst reservoirs in Shunbei oilfield, Tarim Basin, NW China Jingbin Wang, Dongya Zhu, Qian Ding, Zhiliang He
13:15-13:30	The paleo-karst characteristics of Carboniferous KT-I formation in the eastern margin of Pre-Caspian Basin Yajun Zhang, Huizhen Zhang, Jinjin Hao, Hansong Dai, Guobin Li
MARE 1, 10. FLOOR	2.2 Shallow-marine carbonate depositional systems and carbonate platforms
<i>Chairpersons: Antun Husinec and Maja Martinuš</i>	
9:00-9:15	Larger benthic foraminifera as an important tool for palaeoenvironmental interpretation of Campanian inner platform settings, island of Brač (Croatia) Blanka Cvetko Tešević, Felix Schlagintweit, Maja Martinuš, Igor Vlahović
9:15-9:30	Origin of low-frequency sedimentary cycles in the Middle Magdalena Valley Basin of Colombia: a 30 Ma sedimentary archive of the Upper Cretaceous orbital beat Manuel Paez-Reyes, Alejandro Beltran-Triviño, German Bonilla, Javier Luque, Osman Varol, Jason Curtis, Cristian Valencia, Laura Redondo
9:30-9:45	Revision of the Upper Cretaceous to Danian stratigraphy of the upper Chalk Group of South Limburg, the Netherlands Mateus Kroth, João P. Trabuco Alexandre, Eva De Boever, Rinde Kooij, Mariana Pimenta, Dennis J. Schreiber, Geert-Jan Vis
9:45-10:00	New insights on the eastern margin of the Early Jurassic Trento Platform (Southern Alps) Alberto Riva, Piero Gianolla, Marcello Caggiati
10:00-10:15	Sedimentary succession with reddish polyphase infillings in the megalodontid bivalves and solution voids in Julian Alps Lucija Slapnik, Boštjan Rožič, Luka Gale, Petra Žvab Rožič, Anna Waškowska
10:15-10:30	Combined architectural-element and microfacies analyses in carbonate sedimentology: the intra-basin shoal complex of the Lower Muschelkalk (Rüdersdorf Formation, Anisian) Fabian Käsbohrer, Matthias Franz
10:30-10:45	Coffee break
10:45-11:00	Cave exposes three-dimensional architecture of a Middle Devonian biostrome Tanja Unger, Matthieu Saillol, Markus Aretz, Stephen Lokier, Mathias Mueller, Adrian Immenhauser
11:00-11:15	Integration of forward stratigraphic modeling for characterizing a reefal carbonate buildup within the Middle East Ammar Ahmad, Klaus Eder, Sergio Courtade, Annalisa Campana
DUBRAVA-2, 9. FLOOR	4.2 Early diagenesis in carbonate sediments
<i>Chairpersons: Paul Wright and Theresa Nohl</i>	
9:00-9:15	Susceptibility of aragonitic biominerals to diagenetic alteration Pablo Forjanés, Martina Greiner, María Simonet-Roda, Erika Griesshaber, Nelson A. Lagos, Sabino Veintemillas-Verdaguer, José Manuel Astilleros, Lurdes Fernández-Díaz, Wolfgang W. Schmahl

9:15-9:30	Phanerozoic trends in early diagenetic aragonite dissolution <u>Theresa Nohl</u> , Adam Kocsis, Uwe Balthasar
9:30-9:45	Early marine carbonate diagenesis and bedding planes: why is there so much misinformation in the literature? <u>Paul Wright</u> , Axel Munnecke, Theresa Nohl
9:45-10:00	Evaluating diagenesis in peritidal carbonates: a case study from southeast Indiana, USA <u>Ashley Scott</u> , Mohammed Al-Musawi, Stephen Kaczmarek
10:00-10:15	Early diagenetic processes on resedimented carbonates on the sea floor: lessons learned from the Maldives and the Midland Basin, Texas <u>Juan-Carlos Laya</u> , Carl Jacquemyn, Cameron Manche
10:15-10:30	Impact of storm-induced disturbance on slope diagenetic processes – caught in the act <u>Or Mordechay Bialik</u> , Revital Bookman, Hadar Elyashiv, Angeliki Marietou, Raoul Saar, Tanya Rivlin, Nimer Taha, Tal Benaltablet, Noam Lotem, Eran Funaro, Gilad Antler
10:30-10:45	Coffee break
<i>Chairpersons: Chelsea Pederson and Juan Carlos Laya</i>	
10:45-11:00	Fast rates of microbially-mediated early marine cements Mara R. Diaz, <u>Gregor P. Eberli</u> , Ralf J. Weger
11:00-11:15	Recent freshwater stromatolites constructed of primary calcite spar <u>Alex Brasier</u> , Kirsten Flett, Alex O'Donnell, Cian McAuley, Peir Pufahl
11:15-11:30	Controls on formation and early diagenesis of gypsum microbialites at lake Afdera (Ethiopia) <u>Matteo Mangiagalli</u> , Eva de Boever, Valentin Rime, Bernard Grobety, Jean-Charles SchaeGIS, Ermias Filiflu, Balemwal Atnafu, Anneleen Foubert
11:30-11:45	Gypsum-driven dedolomitization: insights from reactive transport modelling <u>Eivind Block Vagle</u> , Fiona Whitaker, Cathy Hollis, Rattana Thirathittham
11:45-12:00	Hypersaline origins of Bahamian dolomites: evidence from new geochemical proxies <u>Peter K. Swart</u> , Chaojin Lu, Sean Murray
12:00-12:15	Study of two carbonate seepages from Lower to Upper Miocene Hikurangi active margin (New Zealand, North Island) <u>Renaud Toullec</u> , Julien Bailleul, Vincent Caron, Geoffroy Mahieux, Franck Chanier, Sébastien Potel
DUBRAVA-2, 9. FLOOR	4.4 Resedimented carbonates – generation, transport, deposition
<i>Chairpersons: Arnoud Slootman and Krešimir Petrinjak</i>	
15:15-15:30	Supercritical bedforms in Mississippian (Visean) carbonate slope clinothems and basin-floor sediment waves, Kentucky–Tennessee, USA <u>C. Robertson Handford</u>
15:30-15:45	A process sedimentology approach to understanding the deposition in fine-grained mixed siliciclastic–carbonate systems: a case study from the Altares Member within the Lower Triassic Montney Formation, Western Canada sedimentary basin <u>Carolyn M. Furlong</u> , Patricia E. Fraino, Per K. Pedersen
15:45-16:00	Carbonate turbidites of the Iстриan flysch: composition and origin <u>Krešimir Petrinjak</u>
16:00-16:15	Coffee break
<i>Chairpersons: Arnoud Slootman and Krešimir Petrinjak</i>	
16:15-16:30	Resedimented carbonates in the evolution of the Dinaric Foreland Basin in northern Dalmatia, Croatia <u>Katarina Gobo</u> , Ervin Mrinjek, Vlasta Čosović
16:30-16:45	Architecture and genesis of Miocene margin-collapse carbonates (Prebetic, Betic Cordillera, S Spain) <u>Ángel Puga-Bernabéu</u> , Sergio García-Pozo, Tomás Alberjón-Peñas, Julio Aguirre, Juan Carlos Braga

16:45-17:00	Disintegration of isolated tropical carbonate platforms through flank collapse and canyon erosion <u>Christian Betzler</u> , Sebastian Lindhorst, Thomas Lüdmann, Christian Hübscher, Oliver Eisermann, Robin Beaman, Jody Webster
17:00-17:15	Shape-dependent settling velocity of skeletal carbonate grains: implications for calciturbidites <u>Arnoud Slootman</u> , Max de Kruijf, Guenther Glatz, Joris Eggenhuisen, Rainer Zühlke, John Reijmer
MARE 2, 10. FLOOR	5.2 New advances in lacustrine sedimentology
<i>Chairpersons: Shuxin Pan and Guodong Wang</i>	
9:00-9:15	Sequence stratigraphy in supply-dominated, hydrologically closed lakes <u>Orsolya Sztanó</u> , Ádám Kovács, Attila Balázs
9:15-9:30	Extraordinary intraclast conglomerates in a stormy, hot-house lake: Early Triassic, North China Basin <u>Paul B. Wignall</u> , Kaixuan Ji, Jeff Peakall, Jinnan Tong, Daoliang Chu, Sara Pruss
9:30-9:45	Seismic prediction technology for “sweet spot” reservoir of glutenite trap and application result <u>Yongbo Chen</u> , Chao Yang
9:45-10:00	Characteristics of high-quality beach-bar sand reservoirs of Permian Lower Urho Formation in Madong area, Junggar Basin <u>Xin Guan</u>
10:00-10:15	Sedimentary dynamics and deposition model of Chang 7 member from the Yanchang Formation lacustrine fine-grained sedimentary rocks in Tongchuan area of the Ordos Basin, China <u>JunPing Huang</u> , XiangBo Li, Yan Zhang, ZhanLong Yang, Tian Yang, Guilherme Bozetti
10:15-10:30	Fluid–rock interaction and pore formation in deep clastic reservoir <u>Linjun Huang</u> , Shuxin Pan
10:30-10:45	Coffee break
<i>Chairpersons: Shuxin Pan and Guodong Wang</i>	
10:45-11:00	Sedimentological response of Late Triassic Carnian Pluvial Episode (CPE) in lacustrine basin: a case study from Yanchang Formation of Ordos Basin <u>Xiangbo Li</u> , Huaqing Liu, Yan Zhang
11:00-11:15	Identification and quantitative characterization of silty laminae and beds in lacustrine organic-rich shales <u>Jianyu Liu</u> , Guodong Wang, Yiren Fan
11:15-11:30	Recognition of Mil ankovitch cycles in the Early Triassic in the Junggar Basin, NW China; implications for sequence stratigraphy <u>Yongping Ma</u> , Shuxin Pan, Guodong Wang, Duonian Xu, Xin Guan, Xianwen Zhang
11:30-11:45	Seismic response characteristics of typical sublacustrine landslides in continental basins of China <u>Shuxin Pan</u> , Caiyan Liu, Guodong Wang, Duonian Xu
11:45-12:00	Discovery and petroleum geological significance of beach sand in Badaowan Formation, Shawan Sag, Junggar Basin <u>Duonian Xu</u> , Shuxin Pan, Guodong Wang, Yongping Ma, Xin Guan, Xuezhen Chen
DUBRAVA-1, 9. FLOOR	7.1 Deep-marine clastic depositional systems
<i>Chairpersons: Katarina Gobo and Duje Kukoč</i>	
11:15-11:30	Architectural analysis of the Paine C Channel System, Cerro Toro Formation, Chile <u>Guilherme Bozetti</u> , Benjamin Kneller, Bryan Cronin, Adam McArthur, Pan Li, Jingping Xu
11:30-11:45	Sedimentary architecture of turbidite channel–levee deposits: the Tachrift Project (Tachrift System, Taza–Guercif Basin, Late Tortonian, NE Morocco) <u>Fabrizio Felletti</u> , Mattia Marini, Adam McArthur, George Pantopoulos, Daniele Invernizzi, Chiara Zuffetti, Simone Reguzzi, Moreno Pizzutto, Imad El Kati, Hassan Tabyaoui

11:45-12:00	Deep-water sedimentation in the Zlatne Basin, Pieniny Klippen Belt, Carpathians, Poland <u>Jan Golonka</u> , Anna Waskowska
12:00-12:15	Sedimentary architecture and statistical data from the Late Tortonian deep-marine channel–levee Complex 5 (Tachrift System, Taza–Guercif Basin, NE Morocco) <u>George Pantopoulos</u> , Daniele Invernizzi, Mattia Marini, Fabrizio Felletti, Adam McArthur, Edoardo Savi, Imad El Kati, Hassan Tabyaoui
DUBRAVA-1, 9. FLOOR	8.2 Analogues and experiments for understanding early diagenesis of clastic sediments
<i>Chairpersons: Stuart Jones and Sanem Acikalin</i>	
15:15-15:30	The role of biofilms in clay coating of deep water deposits <u>Sanem Acikalin</u> , Alison Hendry, Sefa Sahin, Claire McGhee, Matthieu Cartigny, Megan Baker, Sophie Hage, Peter Talling, Sven Lahme, Mike Clare, Gwyn Lintern, Cooper Stacey, Dan R. Parsons
15:30-15:45	Interdependence between bacterial EPS and early grain coat development <u>Dimitrios Charlaftis</u> , Stuart Jones, Lars Grimm, Andreas Kappler
15:45-16:00	Understanding the origin and distribution of reservoir quality enhancing clay grain coats in the modern, macro-tidal estuary using optimised machine learning <u>James Houghton</u> , Thomas Nichols, Richard Worden, Rob Duller, James Utley, Naboth Simon, Joshua Griffiths
16:00-16:15	Coffee break
16:15-16:30	From loose sand to sandstone: experimental approach of early calcite cementation in sandstones <u>Meike Janssen</u> , Luca Caracciolo, Linda M. Bonnell, Robert H. Lander, Jennie E. Cook, Dmitry Lakshtanov, Richard E. Larese, Axel Munnecke, Harald Stollhofen
16:30-16:45	An analogue study of the Ravenglass Estuary: detrital to authigenic grain coats <u>Thomas E. Nichols</u> , James E. Houghton, Richard H. Worden, Robert A. Duller, James E.P. Utley
DUBRAVA-1, 9. FLOOR	8.3 General topics in clastic sedimentology
<i>Chairpersons: Davor Pavelić and Marijan Kovačić</i>	
9:00-9:15	Diagenetic features of the Tunas Formation (Permian) in the Claromecó Basin (Buenos Aires province, Argentina): its implication in reservoir characterization <u>Maria Belen Febbo</u> , Silvia Omodeo-Salé, Antoine de Haller, Andrea Moscariello, Nora Cesaretti, Renata Tomezzoli
9:15-9:30	Petrothermal and petrophysical characterization of alluvial fan, fluvial fan and lacustrine Paleogene sediments of the Ebro Foreland Basin, South Pyrenean fold and thrust belt <u>David Cruset</u> , Pedro Ramírez-Pérez, Ernest Onetti, Jordi Ibáñez-Insa, Jaume Vergés, Alberto Sáez, Jean-Pierre Sizun, Irene Cantarero, Anna Travé
9:30-9:45	Sedimentary features and structures of a sea level changing continental platform – NW Black Sea <u>Gabriel Ion</u> , Constantin Lazar, Adrian Popa, Vlad Alexandru Apotrosoaei, Florin Dutu
9:45-10:00	Insight into the chronology of sedimentation at the Bela alluvial fan (Karavanke Mts., NW Slovenia) <u>Jernej Jež</u> , Anže Markelj, Blaž Milanič, Eva Mencin Gale, Manja Žebre
10:00-10:15	Shale facies characterization as a determining factor for the assessment of CO₂ plume and pressure footprint <u>Geovani C. Kaeng</u> , Marian Popescu
10:15-10:30	A 125-million-year-old mystery: what killed the Hypsilophodon? A sedimentological investigation into the genesis of the Hypsilophodon bed (Wealden Group, Isle of Wight) <u>Marie Marsden</u> , Richard Butler, Susannah Maidment, James Wheeley, Gary Nichols
10:30-10:45	Coffee break
10:45-11:00	Reactivity of glauconitic clasts during burial diagenesis <u>Rikke Weibel</u> , Nynke Keulen, Stephen Hillier, Henrik Friis, Henrik Ingermann Petersen, Mette Olivarius, Jesper Stokkendal, Niels Hemmingsen Schovsbo

11:00-11:15	Characteristics and controlling factors of mixed deposition in saline lakes: a case study of Lower Ganchaigou Formation in the Western Qaidam Basin <u>Shiming Zhang</u> , Jiangong Wang, Xiaojun Zhang, Tingjing Zhang, Juerong Fu
MARE 4, 10. FLOOR	9.1 Volcanism and sedimentology
<i>Chairpersons: Pujun Wang and Jianyu Liu</i>	
11:00-11:30 Keynote	Interaction between basement fault, volcanism and overlying basin fills on an active volcanic continental margin <u>Pujun Wang</u> , Wenhua Wang, Taji Yu
11:30-11:45	Prediction of volcanic facies in Liaohe Basin using multi-label ensemble learning <u>Ruiyi Han</u> , Zhuwen Wang, Jinghua Liu, Yitong Cui, Xinghua Qi, Zhitao Zhang
11:45-12:00	Complex terrestrial sedimentary systems associated with mature intracontinental monogenetic volcanic fields of Saudi Arabia <u>Karoly Nemeth</u>
12:00-12:15	Study on sedimentary succession and basin filling characteristics of the Late Permian volcanic rocks: an example of the Sichuan Basin <u>Wenhua Wang</u> , Pujun Wang, Youden Gao, Xuejiao Qu
12:15-12:30	Geochemical characteristics of Late Jurassic–Early Cretaceous lamprophyres in western Songliao Basin, NE China: implications for lithospheric evolution <u>Taiji Yu</u> , Pujun Wang, Yan Zhang
PINIJA, 9. FLOOR	9.2 Impacts of volcanism on sedimentary systems
<i>Chairpersons: Andrea Di Capua and Federica Barilaro</i>	
15:15-15:30	Peperites in the Ukrainian Carpathian Mts – sedimentological perspective <u>Michał Krobicki</u>
15:30-15:45	Investigation of the compositional spectrum of clay minerals within interbasaltic green volcanoclastic beds of Late Cretaceous Deccan volcanic province <u>Pragya Singh</u> , Santanu Banerjee, Disha Wagh, Kanchan Pande, Satadru Bhattacharya
PINIJA, 9. FLOOR	9.3 Volcaniclastic deposits
<i>Chairpersons: Pujun Wang and Gabor Kereszturi</i>	
15:45-16:00	Tuff from Nježić locality: 40Ar/39Ar age with integrated biostratigraphy <u>Frane Marković</u> , Stjepan Čorić, Morana HERNITZ-KUČENJAK, Đurđica Pezelj, Marijan Kovačić
16:00-16:15	Coffee break
16:15-16:30	Depositional environment of the Late Ediacaran terrestrial volcanosedimentary succession in the Imiter mine area, north-eastern Saghro inlier, Anti-Atlas, Morocco <u>Mehdi Ousbih</u> , Moha Ikenne, Fatiha Askour, Mohammed Mouhajir, Abdelaziz Gaouzi, Salim EL Mouden
16:30-16:45	Tephrostratigraphy of the Early and Middle Miocene volcanoclastic horizons in Croatia-widespread silicic explosive eruptions <u>Nina Trinajstić</u> , Mihovil Brlek, Sanja Šuica, Julie Schindlbeck-Belo, Steffen Kutterolf, Vlatko Brčić, Kuo-Lung Wang, Hao-Yang Lee, Sean P. Gaynor, Simon R. Tapster, Duje Kukoč, Ivan Mišur, Réka Lukács
LUNA, 7. FLOOR	10.1 Evaporitic sedimentary environments, processes and products, Messinian Salinity Crisis
<i>Chairpersons: Francesco de la Pierre and Luis Gibert</i>	
9:00-9:30 Keynote	Palaeogeographic evolution of the Betic Seaway closure (Betic Cordillera, Spain) †Victoriano Pineda, Luis Gibert
9:30-9:45	The sedimentary record of the Yeson Alto and Rambla de Lanujar sections (Tabernas Basin, SE Spain): implications for the Messinian salinity crisis <u>Gustavo Kenji Lacerda Orita</u> , Núria Sierra Ramirez, Enrique Gómez Rivas, Jesús Soria, Miguel González-Gil, Hugo Corbí, Fernando Pérez-Valera, Luis Gibert

9:45-10:00	Resedimented where? Messinian hemipelagic deposits interbedded with clastic gypsum facies from the Belice Basin (Italy) <u>Enrico Nallino</u> , Nicolò Zanellato, Francesco Dela Pierre, Luca Pellegrino, Marcello Natalicchio
10:00-10:15	The Sofia 7 core: new insights into the Messinian sedimentary record of the Sorbas Basin <u>Nuria Sierra Ramírez</u> , Gustavo Kenji Lacerda Orita, Enrique Gómez Rivas, Martina Moreno, Ariana Carrazana, Jesús Soria, Miguel González-Gil, Jordi Ibáñez, Hugo Corbí, Fernando Pérez-Valera, Luis Gibert
10:15-10:30	Unravelling a puzzling gypsum lithofacies: the Messinian branching selenite <u>Marcello Natalicchio</u> , Luca Pellegrino, Enrico Nallino, Francesco Dela Pierre
10:30-10:45	Coffee break
10:45-11:00	The classical Messinian Rio Aguas section revisited (Sorbas Basin, Spain) <u>Jingjing Liu</u> , Luis Gibert Beotas, Enrique Gómez Rivas, Hugo Corbí, Nuria Sierra, Gustavo Kenji Lacerda Orita, Fernando Perez-Varela, Jesús Soria
11:00-11:15	Leaving (almost) no trace: diagenetic alteration of biosiliceous sediments during the Messinian salinity crisis <u>Luca Pellegrino</u> , Marcello Natalicchio, Daniel Birgel, Linda Pastero, Giorgio Carnevale, Richard W. Jordan, Jörn Peckmann, Nicolò Zanellato, Francesco Dela Pierre
11:15-11:30	The Indalecio section, a new Messinian salinity record in the Tabernas Basin (SE Spain) <u>Luis Gibert</u> , †Vitoriano Pineda, Hugo Corbí, Fernando Pérez-Valera, Francesca Lozar, Francisco-Javier García-Veigas, Miguel González-Gil, David Artiaga, María Lería, Jesús Soria
LUNA, 7.FLOOR	10.2 Evaporites
<i>Chairpersons: Francesco de la Pierre and Luis Gibert</i>	
11:30-11:45	Evolution of the post-rift evaporitic section in the Red Sea basin <u>Tihana Pensa</u> , Antonio Delgado Huertas, Abdulkader M. Afifi
11:45-12:00	Evaporites in the Danakil depression: a recent analogue for salt giants? <u>Valentin Rime</u> , Robin Fentimen, Affé El Korh, Haileyesus Negga, Claudius Pirkenseer, Jean-Charles Schaejis, Irka Hajdas, Negar Haghypour, Thierry Adatte, Balemwal Atnafu, Jason Wilkinson, Tesfaye Kidane, Anneleen Foubert
12:00-12:15	Evaporites from the Bresse Basin (France) across the Eocene–Oligocene transition <u>Philippe Sorrel</u> , Alexandre Pichat, Jean-Pierre Suc, Sidonie Revillon, Pierre Agrinier, Yann Samson, Serge Ferry, Alain Curial
12:15-12:30	Unconventional hydrocarbon potential of self-sourced tight marlstone in evaporative lagoon: a case study from Triassic Leikoupo formation in the central Sichuan Basin <u>Jianyong Zhang</u> , Yongguang Xin, Hao Zhang, Wei Chen, Xinjian Zhu
12:30-12:45	Sedimentology and stratigraphy of proximal alluvial-fan to dry mudflat deposits: evolution of the syn-rift series of the Berrechid sub-basin (Morocco) <u>Soukaina Ajrhoug</u> , Houssine Boutarouine, El Hassane El Arabi
MARE 1, 10. FLOOR	11.1 Carbonate biomineralization processes, biominerals, environmental mineralogy/geochemistry
<i>Chairpersons: Miroslaw Slowakiewicz and Monica Sanchez Roman</i>	
15:15-15:45 Keynote	The role of clay minerals in bacterially-mediated eogenetic siderite cementation in the Missourian clastic rocks of the Anadarko Basin, U.S.A. <u>Branimir Segvic</u> , Owen Smith, Evans Akouko Ansah, Dustin E. Sweet
15:45-16:00	Microbially-controlled formation of methane-derived, shallow-marine thrombolites from the Outer Carpathians <u>Stefano Giunti</u> , Mariusz Paszkowski, Artur Kędzior, Przemysław Gedl, Maciej J. Bojanowski
16:00-16:15	Coffee break
<i>Chairpersons: Edoardo Perri and Daniel Ariztegui</i>	
16:15-16:30	Exploring biominerals' formation in extreme environments: from terrestrial hot spring to sulfuric acid system. <u>Federica Barilaro</u> , Laura Sanna, Crisogono Vasconcelos, Judith A. McKenzie, Gabriele Carugati, Andrea Di Capua

16:30-16:45	How well does organic matter survive in hot springs? <u>Alexander ODonnell</u> , David Muirhead, Alexander Brasier, Enrico Capezzuoli
16:45-17:00	Elements, isotopes and small shelly fossils characteristics from Late Ediacaran to Early Cambrian in the northwestern Sichuan Basin: implications for stratigraphic correlation and co-evolution of life and environment <u>Xinjian Zhu</u> , Wenzheng Li, Jianyong Zhang, Yongxiao Wang, Xiaodong Fu, Shugen Liu, Yuan Zhong, Bing Pan
17:00-17:15	Paleoecological significance of serpulid abundance along Barremian carbonate deposits (W Portugal): geochemical clues <u>Rute Coimbra</u> , Ulrich Heimhofer, Inês Cristina, Fernando Rocha
MARE 1, 10. FLOOR	12.1 Mesozoic shallow water carbonates geological archives
<i>Chairpersons: Brahimsamba Bomou and Alexis Godet</i>	
11:15-11:30	Sedimentary mercury as a proxy for volcanism in the Tethyan carbonate platforms during OAE-2 Sahara <u>María Cardelli</u> , Thierry Adatte, Brahimsamba Bomou, Jeroen Sonke, Gianluca Frijia
11:30-11:45	Potential episodes of ocean acidification during Oceanic Anoxic Event 2 <u>Gianluca Frijia</u> , Jan Fietzke, Eleni Anagnostou, Enrico Cannao, Mariano Parente, Massimo Tiepolo
11:45-12:00	Origin and preservation of cyclic successions in different environments of the Dachstein platform system around the Triassic–Jurassic boundary <u>Zsolt Vallner</u> , Emma Blanka Kovács, János Haas, Ferenc Móricz, Micha Ruhl, Norbert Zajzon, Zsófia Kovács, József Pálffy
MARE 2, 10. FLOOR	12.2 The sedimentary role of calcareous green algae, from Paleozoic to modern
<i>Chairpersons: Mardi McNeil and Jody Webster</i>	
15:15-15:45 Keynote	Have green algae been major sediment contributors since their Early Palaeozoic origin? <u>Axel Munnecke</u> , V. Paul Wright
15:45-16:00	Boueina, important carbonate producer from the Lower Cretaceous limestones of the Carpatho–Balkan region <u>Ioan I. Bucur</u> , Milan Sudar, Divna Jovanović, Emanoil Săsăran, George Pleş
16:00-16:15	Coffee break
16:15-16:30	Spatial and temporal distribution of Messinian Halimeda beds in the Sierra de Gádor (Almería, SE Spain) <u>Juan C. Braga</u> , Fernando Sola
16:30-16:45	Project HALO: unravelling the origins, function, and fate of Halimeda bioherms in the Great Barrier Reef <u>Luke Nothdurft</u> , Jody Webster, Mardi McNeil, Robin Beaman, Helen Bostock, Maria Byrne, Juan Carlos Braga, Zsanett Szilagyi, Dirk Erler, Trevor Graham, Molly Husdell, Bethany C. Behrens, Yuning Zeng, Matthew Clements, Stefano Borghi, Kimberly Chua, Monique Webb, Victorien Paumard, Carra Williams, Yusuke Yokoyama, Tom Bridge, Amy Nau, Christopher Berry, Peter Hughes, Damian Pretzman, Rick Cuthbertson
16:45-17:00	Morphometric analysis of Halimeda bioherms on the northern Great Barrier Reef using high-resolution bathymetry dataset <u>Zsanett Szilagyi</u> , Luke Nothdurft, Jody Webster, Mardi McNeil, Robin Beaman, Helen Bostock, Maria Byrne, Juan Carlos Braga, Amy Nau, Christopher Berry
17:00-17:15	A new type of mesophotic Halimeda bioherms (Queensland Plateau, NE Australia) <u>Jesus Reolid</u> , Christian Betzler, Or M. Bialik, Jan Oliver Eisermann, Sebastian Lindhorst, Alexander Petrovic
MARE 4, 10. FLOOR	12.3 The stratigraphic record of paleoenvironmental variation in epeiric basins
<i>Chairpersons: Miquel Poyatos-Moré and Orsolya Sztanó</i>	
9:00-9:15	Euxinic expansion in epeiric seas of North America during the Late Devonian Hangenberg Event <u>Geoffrey J. Gilleaudeau</u> , Swapan K. Sahoo, Wei Wei, Mariano N. Ramirez, Yi Song, Timothy W. Lyons, Steven Bates, Ariel D. Anbar, Thomas J. Algeo, Alan J. Kaufman

9:15-9:30	Sedimentary record and paleoenvironmental reconstruction of a Middle–Late Miocene marine to lacustrine succession: Pannonian Basin, southern Hungary <u>Gianni Mallarino</u> , Richárd Orbán, Krešimir Krizmanić, Dániel Botka, Stjepan Čorić, Izabella Farkas, Imre Magyar, István Nemes, Anita Csoma
9:30-9:45	Beyond evaporites: hypersaline conditions in ancient epeiric seas <u>Mariano Remirez</u> , Geoffrey Gilleaudeau, Swapan Sahoo, Alan J. Kauffman, Thomas J. Algeo, Maya Elrick
9:45-10:00	New insight into the North Central Paratethys Sea development <u>Samuel Rybár</u> , Katarína Šarinová, Viktória Subová, Natália Hudáčková, Michal Jamrich, Fred Jourdan, Celia Mayers, Júlia Kotulová, Ľubomír Sliva, Martin Šujan
10:00-10:15	Large-scale reconstruction of the Early Cretaceous Neuquen Sea (SW Gondwana): unravelling key parameters for characterization and classification of epeiric seas <u>Ernesto Schwarz</u> , Mariano Remírez, Gonzalo D. Veiga, Manuel F. Isla
10:15-10:30	A multiproxy study of a sequence boundary formed during isolation of an epicontinental basin: the Sarmatian–Pannonian transition in the Vienna Basin, Slovakia <u>Michal Šujan</u> , Ľubomír Sliva, Katarína Šarinová, Régis Braucher, Oleg Mandic, Andrej Chyba, Natália Hudáčková, Michal Jamrich, Marianna Kováčová, Mathias Harzhauser, Nadja Ognjanova-Rumenova, Kishan Aherwar, Aster Team, Michal Kováč
10:30-10:45	Coffee break
10:45-11:00	Discriminating between sedimentological and biogenic shell beds in an epicontinental sea during the Holocene (northern Adriatic Sea) <u>Adam Tomasovych</u> , Michal Kowalewski, Rafal Nawrot, Daniele Scarponi, Martin Zuschin
MARE 4, 10. FLOOR	12.5 Paleoclimate and paleoenvironmental changes in shallow-marine seas
<i>Chairpersons: Romain Vaucher and Amy Hsieh</i>	
15:15-15:30	Increased biogeochemical weathering during the Middle Eocene Climatic Optimum (MECO): insights from trace element analyses and Sr isotope ratios from a shallow water carbonate succession of the Ligurian Alps (Northern Italy) <u>Irene Cornacchia</u> , Luca Aldega, Rita Catanzariti, Antonio Cascella, Fabrizio Lirer, Francesca Trapasso, Lucrezia Aversa, Marco Brandano
15:30-15:45	Expression of large-scale sea-level oscillations in a marginal shallow marine bay (Aptian, Spain) <u>Álvaro García-Penas</u> , Marcos Aurell, Samuel Zamora
15:45-16:00	The influence of Taiwan orogenesis on the preservation of climate signals <u>Amy I. Hsieh</u> , Romain Vaucher, Ludvig Löwemark, Shahin E. Dashtgard, Chornig-Shern Horng, Andrew T. Lin, Christian Zeeden
16:00-16:15	Coffee break
<i>Chairpersons: Romain Vaucher and Amy Hsieh</i>	
16:15-16:30	Sequence stratigraphy of the Upper Cretaceous–Eocene Belqa Group of Jordan <u>Amir Kalifi</u> , Maria Ardila-Sanchez, Jihede Haj Messaoud, Wesam Abu Laila, Frans Van Buchem, Khalil Ibrahim, John Powell
16:30-16:45	Glendonite-bearing concretions from the Late Pliensbachian (Lower Jurassic) of southern Germany – indicators for a massive cooling in the European epicontinental sea? <u>Anna Merkel</u> , Axel Munnecke
16:45-17:00	Watermass reconstruction in the Variscan foreland basin based on integrated proxies of redox conditions, salinity, and nitrogen cycling in Mississippian to Pennsylvanian Namurian Shale, Belgium and S-Netherlands <u>Wei Wei</u> , Ralf Littke, Rudy Swennen
LUNA, 7. FLOOR	12.8 Stratigraphic markers and archives
<i>Chairpersons: Gianluca Frijia and Alexis Godet</i>	
15:15-15:30	Sedimentary signature of seismicity induced by asteroid impacts: the Chicxulub mega-earthquake (Cretaceous–Paleogene boundary) <u>Hermann Bermudez</u> , Michelangelo Martini, Francisco J. Vega, Liliana Bolivar, Keith Berry, George Phillips, Matthew Garb, Francisco A. Vega-Sandoval, Clemencia Gomez, Ying Cui

15:30-15:45	Magnetostratigraphy of potential Tithonian–Berriasian boundary sequence at Golubac (Serbia): correlation to biostratigraphy record <u>Šimon Kdýr</u> , Petr Pruner, Dragoman Rabrenovic, Tiiu Elbra, Petr Schnabl, Lada Kouklíková, Andrea Svobodová, Daniela Reháková, Zdeněk Vašiček, Petr Skupien
15:45-16:00	Plankton stratigraphy provides a mid-Paleogene age constraint for the Dalmatian Flysch in External Dinarides foreland basin <u>Oleg Mandic</u> , Stjepan Čorić, Matthias Kranner, Davor Pavelić
16:00-16:15	Coffee break
<i>Chairpersons: Gianluca Frijia and Alexis Godet</i>	
16:15-16:30	Mud matters: sedimentological evidence demonstrates how silicate mineral weathering evolved in synchrony with the first land plants <u>William McMahan</u> , Neil Davies, Stefan Loehr, Cassandra Wheeler, Oli Shorttle, Edward Tipper, Ria Mitchell
16:30-16:45	Searching for a candidate section for the new basal Emsian GSSP in the Prague Synform <u>Hedvika Weinerová</u> , Ladislav Slavík, Tomáš Weiner, Jindřich Hladil, Radek Mikuláš
PINIJA, 9. FLOOR	13.2 Controlling factors of sediment generation in source to sink studies
<i>Chairpersons: Guido Pastore and Muhammad Usman</i>	
9:00-9:15	The auto- and allogenic forces in grain-size spatial distribution within large-scale ancient erg <u>Gabriel Bertolini</u> , Adrian Hartley, Juliana Marques, Jhenifer Paim
9:15-9:30	Inherited grain size distributions: effect on heavy mineral assemblages in modern and ancient sediments <u>Sarah Feil</u> , Hilmar von Eynatten, István Dunkl, Jan Schöning, Nils Keno Lünsdorf
9:30-9:45	Glacial cycle induced change in sediment transport through blind canyons: a case study from the eastern Mediterranean Sea <u>Oded Katz</u> , Naomi Moshe, Adi Torfstein, Pere Masque, Orit Hyams-Kaphzan
9:45-10:00	Tracing the origin of chlorite in sedimentary basins – a source-to-sink approach <u>Fares Azzam</u> , Thomas Blaise, Patricia Patrier, Daniel Beaufort, Jocelyn Barbarand, Benjamin Brigaud, Eric Portier, Sylvain Clerc
10:00-10:15	Signatures of provenance and paleogeographic changes revealed through quantitative heavy-mineral analysis, single-grain garnet chemistry and zircon U–Pb geochronology: Mesozoic Kutch Basin, India <u>Angana Chaudhuri</u> , Jan Schöning, István Dunkl, Hilmar von Eynatten, Nils Keno Lünsdorf
10:15-10:30	Provenance of terrestrial deposits from whole-rock geochemistry? Example from the Permo-Triassic of Central Europe illustrates that discrimination is possible <u>Carita Augustsson</u> , Michaela Aehnelt, Mette Olivarius, Thomas Voigt, Ulrike Hilse
10:30-10:45	Coffee break
PINIJA, 9. FLOOR	13.3 Quantitative study for source-to-sink system
<i>Chairpersons: Lihao Chen and Shiming Zhang</i>	
10:45-11:00	Provenance of Piauí Formation (Parnaíba Basin, Brazil) and effects of hydraulic segregation on heavy minerals assemblage <u>João Miguel Maraschin Santos</u> , Gabriel Bertolini, Juliana Charão Marques, Afonso César Rodrigues Nogueira, Paulo Alves de Souza, Ana Karina Scmazzon
11:30-11:45	Constraints of Triassic provenance and paleogeomorphology on the formation of sedimentary fan groups in the central Junggar Basin <u>Wang Guodong</u> , Zhang Han, Pan Shuxin
11:45-12:00	Mesozoic–Cenozoic multistage tectonic deformation of the Qilian Shan constrained by detrital apatite fission track and zircon U–Pb geochronology in the Xining Basin <u>Chen Lihao</u> , Tian Lei
12:00-12:15	A new quantitative method for provenance analysis based on well logging data <u>Tingcong Qiu</u> , Duonian Xu, Jianyu Liu

1.2 Cave sediments – archives of past environmental changes	
<i>Moderators: Nadja Zupan Hajna and Tomislav Kurečić</i>	
1.2-P-01	Paleomagnetic and rock magnetic investigations of cave sediments in Lipiška Jama: insight into Classical Karst (SW Slovenia) evolution <i>Šimon Kdýr, Nadja Zupan Hajna, Astrid Švara, Petr Pruner, Pavel Bosák</i>
1.2-P-02	The sedimentary sequence of the Račička pečina <i>Nadja Zupan Hajna, Pavel Bosák, Petr Pruner, Helena Hercman, Ivan Horáček, Jan Wagner, Stanislav Čermák, Jacek Pawlak, Paula Sierpień, Astrid Švara, Šimon Kdýr, Lucie Juříčková, Andrej Mihevc</i>
1.3 Continental carbonates, karst and cave deposits	
<i>Moderators: Bojan Otoničar and Alessandro Mangione</i>	
1.3-P-01	Naturally occurring botryoidal carbonates in a Holocene karst paleolake Prološko Blato (Dalmatia, Croatia) <i>Ivona Ivkić Filipović, Nikolina Ilijanić, Slobodan Miko, Ozren Hasan, Uroš Barudžija</i>
1.3-P-02	Palaeoenvironmental reconstruction of the lacustrine–palustrine record of Peña Adrian section, Upper Miocene (Miranda–Trebiño basin, N Spain) <i>Zuriñe Larena, Juan Ignacio Baceta, Xabier Murelaga, Concha Arenas</i>
1.3-P-03	Speleothems and speleogenesis of Don Juan Cave (Jalance, SE Spain) <i>Andrea Molero, María Belén Muñoz García, María Jesús Turrero, Policarp Garay, Rafael Martínez-Valle, Lorenzo Sánchez, Antonio Garralón, Javier Martín-Chivelet</i>
1.3-P-04	Dedolomite as cave wall rock <i>Bojan Otoničar, Filip Šarc, Andrea Martín Pérez, Andrzej Tyc</i>
1.3-P-05	Anatomy and stacking pattern of palustrine-dominated carbonate parasequences (Thanetian–Ypresian, SE France): insights from carbonate petrography associated with aerial photogrammetry <i>Eduardo Roemers-Oliveira, François Fournier, Sophie Viseur, Guilherme Pederneiras Raja Gabaglia</i>
4.2 Early diagenesis in carbonate sediments	
<i>Moderators: Paul Wright and Theresa Nohl</i>	
4.2-P-01	Coring technique choices in scientific ocean drilling affect the observed lithification and physical properties in marine carbonate sediments <i>David De Vleeschouwer, Theresa Nohl, Christian Schulbert, Gerald Auer</i>
4.2-P-02	Laboratory early diagenesis of carbonates: an experimental approach of geological processes, and their role on aquifer development <i>Julien Douçot</i>
4.2-P-03	Hydrothermal alteration of microcrystalline dolomite concretions from the Permian continental red beds <i>Olena Ganzha, Maciej Bojanowski, Beata Marciniak-Maliszewska, Marek Szczerba</i>
4.2-P-04	Early post-sedimentary multi episodic fluid flow into post-rift Cenomanian limestones in the NE of the hyperextended Basque–Cantabrian Basin margin, western Pyrenees <i>Martin Ladron de Guevara, Arantxa Bodego, Eneko Iriarte, Laura Damas-Mollá, Arantza Aranburu</i>
4.2-P-05	Automated mineral analysis of Holocene reef rocks <i>Lisa Kearney, Luke Nothdurft, Gregory Webb, Jody Webster</i>
4.4 Resedimented carbonates – generation, transport, deposition	
<i>Moderators: Arnoud Sloomman and Krešimir Petrinjak</i>	

4.4-P-01	Tortonian carbonate intercalations in the foreland hemipelagic marls of Latium–Abruzzi (Central Italy). Depositional processes, triggering mechanisms and sediment composition of carbonate gravity flow <i>Marco Brandano, Irene Cornacchia, Rita Catanzariti, Alessandro Mancini, Diego Marianelli</i>
4.4-P-02	The white cliffs of Aktau: bioclastic deposits of the Maeotian (Upper Miocene, Eastern Paratethys) of western Kazakhstan <i>Dinara Nadirkhanova, Milovan Fustic, Arnoud Sloomman, Antoine Dillinger, Sergey Popov, Marat Ibagarov</i>
4.4-P-03	Calci-turbidites reveal seismic cycles of transform faults on slow-spreading mid-ocean ridge since 100 kyr BP <i>Lina Jin, Shuqing Qiao, Xin Shan, Xiaoyan Li, Wei Shen, Xuefa Shi</i>
4.4-P-04	Erosive channels in deep-water areas surrounding carbonate banks of the Queensland Plateau (NE Australia) <i>Sebastian Lindhorst, Linus Budke, Jan Oliver Eisermann, Robin Beaman, Christian Betzler</i>
4.4-P-05	Eocene base-of-slope resedimented carbonate deposits of the Gargano Promontory (Italy) <i>Claudia Morabito, Mario Borrelli, Michele Morsilli</i>
4.4-P-06	Lateral facies variability in carbonate turbidites in Ionian Basin outcrops (Cretaceous, Albania) <i>Arnoud Sloomman, Johan Le Goff, John J.G. Reijmer</i>
4.4-P-07	Early Cretaceous to Eocene calciturbidites and calcidebrites of the Ionian Zone, western Greece: implications for the role of salt tectonics processes <i>Ioannis Vakalas, Sotirios Kokkalas, Panagiotis Konstantopoulos, Eleni Tsiglifi, Spyridon Bellas</i>
5.2 New advances in lacustrine sedimentology	
<i>Moderators: Shuxin Pan and Guodong Wang</i>	
5.2-P-01	The genesis and influences on oil-bearing property of thin sandstones interbedded in deep lacustrine shales <i>Dongmou Huang, Shaochun Yang</i>
5.2-P-02	Sedimentary evidence for hydrothermal activity in cores from lake basins of the East African Rift System <i>Jennifer Scott, Daniel Chupik, Emily Zawacki, Mona Stockhecke, Mark Shapley, Chris Campisano, Ramon Arrowsmith, Nathan Rabideaux, Alan Deino, John Kingston</i>
7.1 Deep-marine clastic depositional systems	
<i>Moderators: Katarina Gobo and Duje Kukoč</i>	
7.1-P-08	Architecture, evolution, and controls of channel–levee: Complex 4 from the Tachrift System (Taza–Guercif Basin, NE Morocco) <i>Simone Reguzzi, Mattia Marini, Fabrizio Felletti, Chiara Zuffetti, Imad El Kati, Hassan Tabyaoui</i>
7.1-P-10	Turbidite channel–levee transitions: the Complex 6 of the Tachrift system (Taza–Guercif Basin, NE Morocco) <i>Chiara Zuffetti, Fabrizio Felletti, Mattia Marini</i>
7.1-P-03	Sedimentary architecture of a channel–levee complex from the Taza–Guercif Basin (Late Tortonian, NE Morocco) <i>Daniele Invernizzi, Georgios Pantopoulos, Fabrizio Felletti, Mattia Marini, Adam McArthur, Moreno Pizzutto, Imad El Kati, Hassan Tabyaoui</i>
7.1-P-05	Architectural organization of the Tachrift channel–levee Complex 5 (Late Tortonian, Taza–Guercif Basin, Morocco) based on detailed sedimentary log correlation <i>George Pantopoulos, Daniele Invernizzi, Mattia Marini, Fabrizio Felletti, Adam McArthur, Imad El Kati, Hassan Tabyaoui</i>
7.1-P-01	Mid-Oligocene section of Maikop Formation from Kartli basin (Georgia) – environment and source rock characteristic <i>Marcin Barski, Anna Filipek, Radosław Staniszewski, Marta Waliczek, Anna Wysocka</i>

7.1-P-02	The peculiarity of Precambrian and Paleozoic turbidites: influence of climate change and rise of land plants on delivery of sediment to the deep-sea Soma Budaj, Adam McArthur, Luca Colombera
7.1-P-02-A	Investigation of deep water depositional elements of The Indus Submarine Fan through seismic facies analysis Zainab Iftikhar, Anna Wysocka, Christian Heubscher
7.1-P-04	Significance of siliciclastic deposits in marl-dominated deep-water proximal setting (Turonian–Paleocene Ropianka Formation, Polish Outer Carpathians) Piotr Łapcik
7.1-P-06	Depositional processes in deep-water Caledonian pre-flysch basin recorded in Silurian carbonate concretions and calcified tuffites of the Holy Cross Mountains (Poland) Olgiard Pedrycz, Wiesław Trela
7.1-P-07	The influence of tectonic confinement on lateral and vertical turbidite facies distribution (Firenzuola Turbidite System, Marnoso–Arenacea Formation, Italy) Vanni Pizzati, Roberto Tinterri
7.1-P-09	Sedimentary characteristics and basin evolution of a compartmentalized foreland basin – Internal Ionian Zone, Western Greece Ioannis Vakalas, Efthymios Tripsanas, Constantinos Tzimeas, Panagiotis Konstantopoulos
7.1-P-09-A	Structural characteristics and deep-water hydrocarbon accumulation model of the Scotia Basin, Eastern Canada Gaokui Wu, Fanjun Kong, Naxin Tian, Tianbi Ma, Zhongmin Zhang, Jun Li, Hong Huo, Weihong Shen
7.1-P-11	Control of tectonic-lithofacies palaeogeography on the development of marine shale - A case study on the Ulalik Formation of Ordos Basin JunPing Huang, Kaijun Tan, Xiangbo Li, Yan Zhang, Jianglong Shi, Jing Wang, Hongbo Wang, Jingyi Guo, Ming Feng
8.2 Analogues and experiments for understanding early diagenesis of clastic sediments <i>Moderators: Stuart Jones and Sanem Acikalin</i>	
8.2-P-01	Origin and controls of wood silicification in the Upper Stephanian of the south-eastern Pyrenees Ernest Onetti, Irene Cantarero, Aixa Tosal, Carles Martín-Closas, Anna Travé
8.3 General topics in clastic sedimentology <i>Moderators: Davor Pavelić and Marijan Kovačić</i>	
8.3-P-00	Increasing reservoir predictability by reducing uncertainty by using machine learning analytics with forward stratigraphic simulations Ammar Ahmad, Klaus Eder
8.3-P-01	Analysis of the controls on thermal properties in the Sant Llorenç del Munt distal fan-delta complex, eastern Ebro foreland basin David Cruset, Pedro Ramírez-Pérez, Ernest Onetti, Jordi Ibáñez-Insa, Miguel López-Blanco, Pau Arbués, Jaume Vergés, Jean-Pierre Sizun, Irene Cantarero, Anna Travé
8.3-P-02	Polygenetic soil development in glacial till during the Vistulian stage, Poland: evidence from heavy mineral analysis Michał Cyglicki, Barbara Woronko, Zbigniew Zagórski
8.3-P-03	Sedimentological evidence of climatic changes during the Miocene Climatic Optimum in the North Croatian Basin (SW Pannonian Basin System, Croatia) Marijan Kovačić, Davor Pavelić, Darko Tibljaš, Ivo Galić, Frane Marković, Ivica Pavičić
8.3-P-04	The Badenian/Sarmatian environment on the edge of the Pannonian Basin System Monika Milošević, Anita Grizelj, Koraljka Bakrač, Ines Galović, Tomislav Kurečić, Valentina Hajek Tadesse, Radovan Avanić, Mirjana Miknić, Marija Horvat, Ana Čaić Janković, Mario Matošević
8.3-P-05	Shape, volume-to-area ratio, and settling-velocity models for siliciclastic, carbonate, volcanic and plastic particles and their sedimentary implications Arnoud Sloomman, Max de Kruijf, Zane Jobe, Guenther Glatz, John Reijmer

8.3-P-05-A	Ordovician-Silurian and Devonian sedimentary complexes of Mendeleev Rise, Wrangel Island and Chukotka and their correlation (Russian Arctic) Marianna I. Tuchkova, Sergey G. Skolotnev, Sergey D. Sokolov, Valeria E. Beloshey
8.3-P-06	Diagenesis, diagenetic facies and their relationship with reservoir “sweet spot” in low-permeability and tight sandstone: Jiaxing area of the Xihu Sag, East China Sea Basin Wenguang Wang, Chengyan Lin, Xianguo Zhang, Chunmei Dong, Lihua Ren, Jianli Lin
8.3-P-07	Study on the evolution and distribution of lacustrine sediments in the narrow intermountain basin - Jurassic of Shengbei depression in Tuha basin as an example Huang Yunfeng, Yang Zhanlong, Lv Lei, Wei Lihua
9.1 Volcanism and sedimentology <i>Moderators: Pujun Wang and Jianyu Liu</i>	
9.1-P-01	Wind influence on volcanoclastic deposits of 2021 eruption in La Palma (Canary Islands) Jose F. Mediato, Javier Martínez-Martínez, Isabel Montoya, Gonzalo Lozano, Maria Angeles Perucha, Juana Vegas, Miguel Angel Rodríguez Pascua, Raúl Pérez López, Andrés Díez Herrero, David Sanz Mangas, Julio Lopéz Gutierrez, Rosa Maria Mateos, Nieves Sánchez, Inés Galindo
9.1-P-02	Latest Triassic active eolian dune field preserved by CAMP lava flow Rossano D.L. Michel, Claiton M.S. Scherer, Adriano D. dos Reis, Carrel Kifumbi, Ronaldo P. Cechetti, Fábio H. Jones, Gabriela M.N. Knoblock
9.1-P-03	Preliminary studies of the volcanic and volcanoclastic sequences of the south–central coast provinces of Vietnam, including the Ly Son Island (Neogene; South China Sea) Anna Wysocka, Radosław Staniszewski, Anna Filipek, Trinh Hai Son, Phan Dong Pha, Nguyen Van Tuan, Pham Ngoc Dung, Nguyen Quoc Cuong
9.2 Impacts of volcanism on sedimentary systems <i>Moderators: Andrea Di Capua and Federica Barilaro</i>	
9.2-P-01	Pyroclastic deposits within Triassic limestones (Northern Italy): genesis, emplacement dynamics and diagenesis Andrea Di Capua, Alice Bagini, Federica Barilaro, Gabriele Carugati, Alessandro Cavallo
9.2-P-02	Controlling effect of tectonic movement in Chepaizi area on volcanic rock evolution and fracture distribution Shilong Ma, Shaochun Yang
9.2-P-03	Trace-element budget of chlorite from hydrothermally altered volcano-sedimentary record of Adria passive margins Branimir Šegvić, Kevin Byerly, Luka Badurina, Damir Slovenec
9.3 Volcaniclastic deposits <i>Moderators: Pujun Wang and Gabor Kereszturi</i>	
9.3-P-01	Deposition of volcaniclastites in pelagic environment on rifted continental margin during the Middle Triassic Duje Kukoč, Duje Smirčić, Damir Slovenec, Mirko Belak, Marija Horvat, Tonći Grgasović, Dražen Japundžić, Branimir Šegvić, Luka Badurina, Matija Vukovski
9.3-P-02	The oldest Miocene volcanoclastics of the Carpathian–Pannonian Region based on U–Pb zircon LA-ICP-MS dating in the Mura Depression (Northwestern Croatia) Mario Matošević, Sanja Šuica, Corey Wall, Marina Mužina, Alan Vranjković, Dina Zopf, Goran Jović
9.3-P-03	Volcanic ash layers in Mid-Carnian turnover siliciclastics of the East Bosnian Durmitor megaunit in the northern Montenegro Milica Mrdak, Eva Wegerer, Hans-Jürgen Gawlick
10.1 Evaporitic sedimentary environments, processes and products, Messinian Salinity Crisis <i>Moderators: Francesco de la Pierre and Luis Gibert</i>	
10.1-P-01	The evaporites of Zakynthos Island (Ionian Sea, Greece): new insights for the Messinian Salinity Crisis in the Eastern Mediterranean David Artiaga Torres, Luis Gibert, George Kontakiotis, Javier García-Veigas, Assimina Antonarakou, Vasileios Karakitsios

10.1-P-02	Permian–Triassic sedimentary and diagenetic reconstruction of the southern Adriatic area Mario Borrelli, Edoardo Perri, Sara Criniti, Michele Morsilli
10.1-P-03	Authigenic clays and evaporites from the Makgadikgadi salt pans (Botswana): from Quaternary paleoenvironments to astrobiology perspectives Fulvio Franchi, Katlo Oromeng, Aobakwe Motlhasedi
10.1-P-04	Sedimentary history of the Salar de Uyuni (Bolivia) from a 460 m drill core Luis Gibert, Nelson Carvajal, Juan-Diego Martín-Martín, Guido Quezada, Ariana Carrazana, Francisco-Javier García-Veigas, Alan Deino
10.1-P-05	Geochemical evidence of Messinian Salinity Crisis in the Adana Basin, southern Turkey Erhan Karakuş, Erdoğan Tekin
10.1-P-06	Geological map of a Messinian deep water evaporitic basin (Belice Basin, NW Sicily, Italy) Nicolò Zanellato, Enrico Nallino, Marcello Natalicchio, Luca Pellegrino, Francesco Dela Pierre
10.1-P-07	Using isotopy of Ca-sulfates for documenting marine-to-nonmarine transitions in Neogene basins (Betic Cordillera) Federico Ortí, Nuria Sierra Ramírez, †Victoriano Pineda, Alberto Pérez-López, Luis Gibert
11.1 Carbonate biomineralization processes, biominerals, environmental mineralogy/ geochemistry <i>Moderators: Monica Sanchez Roman and Daniel Ariztegui</i>	
11.1-P-01	In vitro microbial micritization of shallow marine carbonate grains Camila Areias, Ntea Alexandra Lagki, Viswasanthi Chandra, Volker Vahrenkamp, Mónica Sánchez-Román
11.1-P-02	Microbial and geochemical signals related to micritization of carbonate grains in the shallow marine Al-Kharrar Lagoon in the Red Sea, Saudi Arabia Camila Areias, Elisa Garuglieri, Thomas Teillet, Volker Vahrenkamp, Viswasanthi Chandra, Mónica Sánchez-Román
11.1-P-03	Dolomite formation in Salinas lagoon, Alicante (Spain) Guolai Li, Gilbert Luis, Monica Sánchez-Román
11.1-P-04	Carbonate formation in a playa-lake system, Laguna Fuente de Piedra, Spain Zeina Naim, Luis Gibert, Pieter Vroon, Mónica Sánchez-Román
11.1-P-05	Microbial mediated micritic cements in Upper Pleistocene (MIS 5e) mid-latitude shallow marine carbonate deposits (Taranto Gulf, south Italy) Edoardo Perri, Mario Borrelli, Pierluigi Santagati
11.1-P-06	Viruses occur involved in biomineralization of travertines Mirosław Stowakiewicz, Edoardo Perri, Ezher Tagliasacchi, Paweł Dziatak, Michał Gradziński, Sándor Kele, Andrzej Borkowski, Maurice E. Tucker
11.1-P-07	Thriving buildup of microbialites as large-scale hydrocarbon reservoir linked to hypersaline lagoon during later Ediacaran to Middle Cambrian Dongya Zhu, Jingbin Wang, Qian Ding, Zhiliang He
11.1-P-07	Multi-proxy evaluation of oyster-shell alteration: implications to paleoenvironmental reconstructions and age-assigning efforts of ancient coastal deposits Rute Coimbra, Maria Cristina Cabral, Ana Cristina Azerêdo, Adrian Immenhauser
12.1 Mesozoic shallow water carbonates geological archives <i>Moderators: Brahimsamba Bomou and Alexis Godet</i>	
12.1-P-01	Evolution of the large benthic foraminifera assemblages during the Cenomanian–Turonian OAE2 from the Mexican Guerrero–Morelos carbonate platform Brahimsamba Bomou, Annie Arnaud-Vanneau, Thierry Adatte
12.1-P-02	Reconstructing redox and hydrographic dynamics during the Early Toarcian (Early Jurassic): new insights from Mo/TOC covariation Javier Fernández-Martínez, Francisca Martínez Ruíz, Francisco J. Rodríguez-Tovar, Laura Piñuela, José C. García-Ramos, Thomas J. Algeo
12.1-P-03	The transition early–late Sinemurian crisis: environmental perturbations in shallow carbonate platform of Mallorca (western Tethys) Ana Sevillano, Idoia Rosales, Beatriz Bádenas, Antonio Barnolas, José María López-García

12.2 The sedimentary role of calcareous green algae, from Paleozoic to modern*Moderators: Mardi McNeil and Jody Webster*

12.2-P-01 **Recent insights on green-algal carbonate systems informed by Holocene Halimeda bioherms in the Great Barrier Reef, Australia**
Mardi McNeil, Luke Nothdurft, Jody M. Webster, Dirk Erler, Robin Beaman, Rachel Downes

12.3 The stratigraphic record of paleoenvironmental variation in epeiric basins*Moderators: Miquel Poyatos-Moré and Orsolya Sztanó*

12.3-P-01 **Carbon isotope record and palynostratigraphy of the Lower–Middle Triassic boundary in the Holy Cross Mountains (Poland, southern Germanic Basin)**
Karolina Bieńko, Anna Fijałkowska-Mader, Wiesław Trela

12.3-P-02 **Sedimentary evolution of the final stages of an epeiric sea in the NW of South America: a sedimentological and ichnological approach**
Carlos A. Giraldo-Villegas, Francisco J. Rodríguez-Tovar, Andrés Pardo-Trujillo, Sergio A. Celis

12.3-P-03 **Badenian sedimentary succession of the Mestinje Anticline (western Central Paratethys)**
Kristina Ivančič, Miloš Bartol, Aleša Uršič Arko

12.3-P-04 **Basin circulation controlling the sedimentologic and ichnologic record of the fine-grained Vaca Muerta Formation (Upper Jurassic–Lower Cretaceous, Argentina)**
Maximiliano Paz, Luis A. Buatois, María Gabriela Mángano, Patricio R. Desjardins, Maximiliano N. Rodríguez, Daniel Minisini, Federico González Tomassini, Egberto Pereira, Noelia B. Carmona, Manuel Fantín, M. Dolores Vallejo

12.3-P-05 **Late Jurassic sequence stratigraphy and sedimentology of shallow marine coarse grained siliciclastic deposits in the southern Utsira High: deciphering the intra Draupne Formation in the Johan Sverdrup field**
Josep Maria Puig López, Miquel Poyatos-Moré, John Howell

12.5 Paleoclimate and paleoenvironmental changes in shallow-marine seas*Moderators: Romain Vaucher and Amy Hsieh*

12.5-P-01 **Depositional system change at the Campanian–Maastrichtian boundary: from cherty phosphates and oyster mounds to organic-rich shales (Southern Tethys margin, Jordan)**
Maria Ardila-Sanchez, Muhammad Usman, Jihede Haj Messaoud, Amir Kalifi, Israa S. Abu-Mahfouz, Frans van Buchem, Khalil M. Ibrahim, John H. Powell

12.5-P-02 **Sedimentary records associated with the dynamics of the Mittie Glacier (Smith Bay, Nunavut, Canada) during the Holocene**
Elodie Bracquer, Jean-Carlos Montero-Serrano, Patrick Lajeunesse, Luke Copland, Guillaume St-Onge

12.5-P-03 **Late Holocene rapid infill history in the Seomjin river estuary, south coast of Korea**
Ye Chan Park, Dhong Il Lim, Tae Soo Chang

12.5-P-04 **Extending the spectrum of storm-flood deltas: examples from a high-latitude deltaic system during the Early Cretaceous**
Antoine Dillinger, James A. MacEachern, Shahin E. Dashtgard, Mark Radomski, Romain Vaucher

12.5-P-05 **Characterization of Halimeda bioherms of the pre-evaporitic Messinian of the Salento Peninsula (Southern Italy)**
Chiara Passaseo, Michele Morsilli, Alessandro Vescogni

12.5-P-06 **Warmer gets sandier? The paleoenvironmental record of hyperthermal events in coastal environments during the Early Eocene Climate Optimum (South Pyrenean Foreland Basin, Spain)**
Romain Vaucher, Claire Musajo, Jorge E. Spangenberg, Miquel Poyatos-Moré, Cai Puigdefàbregas, Sébastien Castellort, Thierry Adatte

12.5-P-07 **Provenance, chemical weathering, and climatic changes in the Variscan foreland basin: insight from geochemical records in Mississippian to Pennsylvanian Namurian Shale, Belgium and S-Netherlands**
Wei Wei, Rudy Swennen

12.8 Stratigraphic markers and archives

Moderators: *Gianluca Frijia and Alexis Godet*

12.8-P-01	Investigating the link between Devonian anoxic events and astronomical forcing: a two-pronged approach of cyclostratigraphy and numerical modeling <i>Jarno Huygh, Justin Gérard, Loïc Sablon, Michel Crucifix, Anne-Christine da Silva</i>
12.8-P-02	New insight into the K/Pg boundary interval at Nasitów (biostratigraphy and paleomagnetism), Poland, Central Europe <i>Zbyszek Remin, Michał Cyglicki, Marcin Barski, Zofia Dubicka, Joanna Roszkowska-Remin</i>
12.8-P-03	Redeposited mud in hybrid event beds hinder the applicability of the authigenic ¹⁰Be/⁹Be dating: eastern Danube Basin, Slovakia <i>Michal Šujan, Kishan Aherwar, Régis Braucher, Andrej Chyba, Orsolya Sztanó, Tomáš Vlček, Natália Hudáčková, Michal Jamrich, Katarína Šarinová, Aster Team</i>
12.8-P-04	Comments on the microproblematicum Menselina Antropov, 1967 <i>Hedvika Weinerová, Tomáš Weiner, Jiří Kalvoda</i>
12.8-P-05	Environmental rhythms across the onset of the Late Devonian Kellwasser Crisis recorded in the Usseln Limestone (Rhenish Massif, Germany) – a high-resolution study <i>Nina Wichern, Theresa Nohl, Or Bialik, Michael Holtkamp, David De Vleeschouwer</i>

13.3 Quantitative study for source-to-sink system

Moderators: *Lihao Chen and Shiming Zhang*

13.3-P-01	Exploring the environment hydrodynamics of the Late Cretaceous Szozdy Delta System by the rutile–tourmaline index analysis <i>Michał Cyglicki, Zbigniew Remin</i>
13.3-P-02	Annual riverbed erosion rates in the Lower Danube during the last decade <i>Albert Scrieciu, Sabin Rotaru, Andrei Toma</i>
13.3-P-03	Identification and optimization of Carboniferous volcanic trap in Mahu Sag, Junggar Basin <i>Yang Chao</i>
13.3-P-04	The Influence of Wind Field on Depositional Systems in Qinghai Lake, China <i>Lisha Yang, Shuxin Pan, Guodong Wang</i>

THURSDAY, 14TH JUNE 2023 | ORAL PRESENTATIONS

PINIJA, 9. FLOOR	1.1 The response of continental carbonates to (paleo)environmental perturbations
<i>Chairpersons: Daniel A. Petrash and Ivica Pavičić</i>	
9:00-9:30 Keynote	The ostracod clumped-isotope thermometer: a novel tool to reconstruct quantitative continental climate changes <i>Marta Marchegiano, Marion Peral, Jeroen Venderickx, Koen Martens, Antonio García-Alix, Christophe Snoeck, Steven Goderis, Philippe Claeys</i>
9:30-9:45	Using Electron Backscatter Diffraction (EBSD) to reveal formative mechanisms of Cretaceous lacustrine stromatolite at ultra-high-resolution <i>Maria del Mar Simonet Roda, Daeyeong Kim, Erika Griesshaber, Jeong-Hyun Lee</i>
9:45-10:00	Linking product and process in terrestrial carbonates: experimental construction of a robust phase diagram <i>Mike Rogerson, Ramon Mercedes-Martin, Timothy Prior, Alexander Brasier, John J.G. Reijmer, Ian Billing, Anna Matthews, Tracy Love, Scott Lepley, Martyn Pedley</i>
10:00-10:15	Precipitation mechanisms and early diagenesis of modern cryogenic cave carbonates <i>Andrea Martín-Pérez, Adrijan Košir, Bojan Otoničar, Vanessa E. Johnston</i>
10:15-10:30	On the origin of coloured patinas over speleothems in a Mediterranean cave <i>Andrea Molero, María Belén Muñoz-García, Javier Martín-Chivelet, María Jesús Turrero</i>
10:30-10:45	Coffee break
<i>Chairpersons: Andrea Martín Pérez and Ivica Pavičić</i>	
10:45-11:00	Agricultural irrigation systems in volcanic islands: carbonate factories in continental settings <i>Ana M. Alonso-Zarza, Álvaro Rodríguez-Berriguete, Ramón Casillas</i>
11:00-11:15	The temporal variability of the Holocene calcium carbonate deposition at four alkaline fens in the young glacial area of central Europe <i>Karina Apolinarska, Krzysztof Pleskot, Rafał Kietczewski, Magdalena Marzec, Liene Aunina, Michał Kabaciński, Mariusz Gałka</i>
11:15-11:30	Investigating the intermittent carbonate factory of the mid-Miocene Eger Rift Basin in Central Europe: a geochemical approach <i>Daniel Petrash, Ivana Jackova, Bohuslava Cejkova, Frantisek Laufek, Ilja Knesl, Bohdan Kribek, Karel Mach</i>
11:30-11:45	Proterozoic dolostones deposited in an ice-covered, alkaline lake during the Sturtian panglaciation <i>Maciej Bojanowski, Jan Środoń, Miquela Ingalls, Beata Marciniak-Maliszewska, Milena Matyszczyk, Barbara Kremer</i>
PINIJA, 9. FLOOR	3.1 Deep-marine carbonate depositional systems
<i>Chairpersons: Duje Kukoč and Katarina Gobo</i>	
12:00-12:15	Marion contourite depositional system: implications on sea-level studies <i>Sara Bashah, Gregor Eberli</i>
12:15-12:30	Restricted to open-marine Middle Triassic basins of the Dinarides and their radiolarian faunas <i>Špela Goričan, Tea Kolar-Jurkovšek, Bogdan Jurkovšek, Dunja Aljinović, Tamara Troškot-Čorbić</i>
12:30-12:45	Towards the concise model of the latest Jurassic–earliest Cretaceous climate and oceanographic change in the Western Tethys <i>Damian Gerard Lodowski, Ottilia Szives, Jacek Grabowski</i>

12:45-13:00	Deep-sea brine pools deliver an exquisite record of climate and tectonic events in the Gulf of Aqaba (Red Sea) Sam Purkis, Morgan Chakraborty, Mattie Rodrigue, Arash Sharifi, Peter Swart
DUBRAVA-1, 9. FLOOR	4.1 Special Session in celebration of Maurice Tucker's contribution to carbonate sedimentology
<i>Chairpersons: Juan Carlos Laya and Paul V. Wright</i>	
9:00-9:15	Special Session in celebration of Maurice Tucker's contribution to carbonate sedimentology - Introduction Juan Carlos Laya, Paul V. Wright
9:15-9:30	Experimental and modelling results bridge the gap between biological and physical factors ruling the formation of freshwater ooids Daniel Ariztegui
9:30-9:45	Cold seep carbonates in the Neogene succession of the Croton Basin (south Italy) Mario Borrelli, Edoardo Perri, Ulrich Heimhofer, Pierluigi Santagati, Emilia Le Pera
9:45-10:00	Structural and stratigraphic controls on carbonate ridge mound development, diagenesis and excess permeability: a Barra Velha Formation, pre-salt case study, Santos Basin David Hunt, Michael Zeller, Luz E. Gomis-Cartesio, Ole Petter Wennberg, Alistair S. Chandler, Carlos Aizprua
10:00-10:15	Fluvial barrage tufa as a natural lab for the improving of geotechnical engineering properties of sand by microbially induced calcium carbonate precipitation (MICP) Edoardo Perri, Mario Borrelli, Maurizio Ponte
10:15-10:30	The idea of shallowing-upward peritidal parasequences: a thing of the past? John Rivers, Robert Dalrymple
10:30-10:45	Coffee break
10:45-11:00	The role of viruses in biomineralization of modern carbonate deposits as a key to the past Mirosław Stowakiewicz, Edoardo Perri, Ezher Tagliasacchi, Paweł Działak, Michał Gradziński, Sándor Kele, Lars Reuning, Andrzej Borkowski, Pamela R. Reid, Maurice E. Tucker
MARE-3, 10. FLOOR	4.3 Non-marine and marine carbonate factories and their expressions in sequence stratigraphy
<i>Chairpersons: John Reijmer and Emmanuelle Vennin</i>	
12:15-12:30	Role of microbial communities in carbonate precipitation in river systems and their efficiency in CO₂ capture and storage Pierre Boussagol, Emmanuelle Vennin
12:30-12:45	Is sea level driving greenhouse carbonate sedimentary systems? Jean Borgomano, Julien Michel, Cyprien Lanteaume
12:45-13:00	Microbialite development and preservation in lakes Emmanuelle Vennin, Pierre Boussagol, Cédric Bougeault, Emmanuelle Gérard, Magali Ader, Pieter Visscher
MARE 2, 10. FLOOR	4.6. Carbonate sedimentary systems and their petrophysical expression
<i>Chairpersons: Eva de Boever and Anneleen Foubert</i>	
11:15-11:30	Multi-scale geological significance of acoustic properties in carbonates Cédric Bailly, Youri Hamon, Mathilde Adelinet, Tarik Kernif, Jérôme Fortin
11:30-11:45	Towards an integrated approach to characterize pore connectivity in marine to continental rift carbonates (Danakil Depression, Ethiopia) Anneleen Foubert, Max de Kruijf, Haileyesus Negga, Eva De Boever, Monica Sanchez Roman, Tesfaye Kidane, John Reijmer
11:45-12:00	Uniform petrophysical properties of carbonate contourite drifts Ralf J. Weger, Emma Giddens, Greta MacKenzie, Gregor P. Eberli

DUBRAVA-2, 9. FLOOR	4.7 General topics in carbonate sedimentology
<i>Chairpersons: Stephen Lokier and Tanja Unger</i>	
11:00-11:15	The puzzle of 'molar tooth structure': geochemistry, origin and significance of calcite microspar cements Ying Zhou, Graham Shields
11:15-11:30	Fine-grained Cambrian stromatolites in grainstone shoals: selective trapping by microbial mats? Jeong-Hyun Lee, Robert Riding
11:30-11:45	How to build a thrombolite: Late Cambrian examples in Texas Jeong-Hyun Lee, Robert Riding
11:45-12:00	Evolution of Middle Triassic polynucleated, isolated microbial carbonate platforms in the Western Tethys (Dolomites, northern Italy) Marcello Caggiati, Piero Gianolla, Alberto Riva, Tiziano Abbà, Marco Stefani
12:00-12:15	Diagenetic evolution of the Middle Eocene ramp carbonates in the Bombay offshore basin, India Sreetama Aich, Sudipta Dasgupta, Kumar Hemant Singh
12:15-12:30	The hidden potential of the shallow water record: a large-scale meta-analysis of Palaeocene to Miocene carbonates of southern Tethys Giovanni Coletti, Lucrezi Commissario, Luca Mariani, Giulia Bosio, Fabien Desbiolles, Mara Soldi, Or M. Bialik
MARE 2, 10. FLOOR	5.3 Continental clastic depositional systems
<i>Chairpersons: Marta Marchegiano and Davor Pavelić</i>	
9:00-9:15	Archean continental sedimentation: the Singhbhum perspective Rajat Mazumder, Trisrota Chaudhuri, Shuvabrata De, Wilfried Bauer
9:15-9:30	Interdune deposition in Precambrian aeolian systems: architecture, depositional model and controlling factors (Galho do Miguel Formation, SE Brazil) Áquila Ferreira Mesquita, Giorgio Basilici, Nigel P. Mountney, Luca Colombera, Juraj Janöcko, Carlos Roberto de Souza Filho, Davi Machado Querubim, Grace I.E. Cosgrove
9:30-9:45	End-Permian paleoenvironmental changes in Parana Basin, Western Gondwana Monica Manna, Claiton Scherer, Manoela Bállico, Adriano Reis, Jean Toledo, Rossano Michel, Amanda Rodrigues Domingas Conceição, Paula Lima, Lorenza Ferrari
9:45-10:00	Accumulation vs non-accumulation in a distributive fluvial system: what do fluvial-aeolian deposits reveal about cyclicity? Jean Carvalho Toledo, Manoela Bettarel Bállico, Monica Oliveira Manna, Adriano Domingos dos Reis, Lorenza Augusta Belitzki Ferrari, Rossano Dalla Lana Michel, Felipe Guadagnin, Claiton Marlon dos Santos Scherer, Ezequiel Galvão de Souza, Carrel Kifumbi, Ana Victória Ribeiro Franqueira
10:00-10:15	Scales of fluvial and floodplain deposition within alluvial stratigraphy (Willwood Formation, Wyoming, U.S.A.) Brady Foreman
10:15-10:30	European loess – similarities and differences revealed by SEM analysis of grain surface microtextures Adriano Banak, Thomas Stevens, Yunus Baykal, Chiara Költringer, Marija Horvat
10:30-10:45	Coffee break
10:45-11:00	A sedimentological perspective on the taphonomy of large dinosaurs Raymond R. Rogers, Kristina A. Curry Rogers, Anna K. Behrensmeyer, Eric M. Roberts
11:00-11:15	Quantitative prediction of sand bodies in a sparsely explored zone of the Tarim Basin: A Case Study of the Aketao Area Shi Xiaoqian
11:15-11:30	Evolution of the depositional environment of The Roseneath–Epsilon–Murteree (REM) strata in the Cooper Basin, Australia: a multidisciplinary revisit with new data Fengtao Guo, Peter McCabe, Zhiqiang Feng, Zhongmin Zhang, Jinrui Guo

DUBRAVA-2, 9. FLOOR	6.5 Spatial and temporal variability in coastal to shelf environments
<i>Chairpersons: Marta Cosma and Anna van Yperen</i>	
9:00-9:15	Cautions to be taken when analysing cyclicity in mixed siliciclastic–carbonate coastal successions Sonia Campos-Soto, M. Isabel Benito, Pablo Suarez-González, I. Emma Quijada, Alberto Cobos
9:15-9:30	Three-times transgressive sedimentation from the Late Quaternary of Baeksu tidal flat, southwest coast of Korea Serin Lim, Jin Cheul Kim, Dhongll Lim, Yongmi Kim, Tae Soo Chang
9:30-9:45	Short-term variability of a forced regressive shoreline: using remote-sensing to quantify coastal movement along the Gulf of Carpentaria Valentin Zuchuat, Miquel Poyatos-Moré, Björn Nyberg, Rachel A. Nanson, Stephen Sagar, Leo Lymburner, Robbi Bishop-Taylor
9:45-10:00	Saltmarshes in a backbarrier lagoon: sediment source and variability Annelore Bezzi, Davide Lenaz, Andrea Ulliani, Giorgio Fontolan
10:00-10:15	Distribution pattern and controls of biosedimentary facies in backbarrier tidal flats of the central Wadden Sea (North Sea) Friederike Bungenstock, Achim Wehrmann, Mara Hochstein, Günter Branko Hertweck
10:15-10:30	Gone digital – utilizing drone imaging to characterize siltstone-dominated deposits: implications for quantifying meter-scale sedimentary heterogeneity Patricia E. Fraino, Carolyn M. Furlong, Simon S.P. Poirier, Per K. Pedersen
10:30-10:45	Coffee break
10:45-11:00	A standardised seabed geomorphology classification scheme to support mapping and interpretation of submerged environments Rachel Nanson, Riccardo Arosio, Joana Gafeira, <u>Mardi McNeil</u> , Dayton Dove, Lilja Bjarnadóttir, Margaret Dolan, Janine Guinan, Alix Post, John Webb, Scott Nichol
DUBRAVA-1, 9. FLOOR	12.6 Paleosols as valuable records of terrestrial climate and environments
<i>Chairpersons: Goran Durn and Adrijan Košir</i>	
11:00-11:15	Redox geochemistry and the origin of red colouration in palaeo-vertisols of the Old Red Sandstone, South Wales, UK Ondrej Bábek, Lukáš Ackerman, Susan Marriott, Hedvika Weinerová, Daniel Simiček, V. Paul Wright
11:15-11:30	Base level variations recorded in Holocene alluvium succession of mountain area of SE Brazil: climate and anthropic control Giorgio Basilici, Juraj Janočko, Paolo Lorenzoni, Áquila Ferreira Mesquita, Paulo Roberto Oliveira da Silva, Carlos Roberto de Souza Filho, Davi Machado Querubim
11:30-11:45	Evidence of Late Quaternary environmental changes preserved within the Privlaka pedo-sedimentary complex at the eastern Adriatic coast, Croatia Nina Hećej, Lidija Galović, Koen Beerten, Rosa Maria Poch, Stjepan Husnjak, Jasmina Martinčević Lazar, Mihajlo Pandurov, Rodoljub Gajić, Petar Stejić, Stanko Ružičić, Ajka Šorša
11:45-12:00	"It's a trap!" – critical assessment of geochemistry-based proxies in reconstructing past environments Karol Jewuła, Jan Środoń, Artur Kędzior, Mariusz Paszkowski, Mateusz Mikołajczak, Artur Kuligiewicz
12:00-12:15	Late Miocene to Pliocene rise and fall of C4 vegetation in Anatolia (Türkiye) Maud JM Meijers, Tamás Mikes, Bora Rojaj, Erkan Aydar, H Evren Çubukçu, Andreas Mulch
12:15-12:30	Medieval climatic optimum recorded by buried podzols: a new pedostratigraphic marker in inland dune deposits of Poland Krzysztof Ninard, Mateusz Stolarczyk, Piotr Łapcik, Alfred Uchman
12:30-12:45	Glauconite formation in a palaeosol as an indicator of the incipient sea-level rise: case study of the Zlatni rt, Istria, Croatia Ivor Perković, Goran Durn, Blanka Cvetko Tešović, Srečo D. Škapin, Darko Matešić, Igor Vlahović, Maja Martinuš
12:45-13:00	Paleosols in the Triassic Yanchang Formation, Ordos Basin, China Yan Zhang, Xiangbo Li, Carlos Zavala, Junping Huang

MARE 4, 10. FLOOR	12.7 IGCP 739 The Mesozoic–Paleogene hyperthermal events
<i>Chairpersons: Ismail Ömer Yılmaz and Robert Newton</i>	
9:00-9:30 Keynote	Mesozoic and Cenozoic hyperthermal events and Anthropocene global warming Xiumian Hu, Juan Li, Zhong Han, Yuan Cai
9:30-9:45	Mercury and tellurium anomalies reflect increased volcanism during the Paleocene–Eocene Thermal Maximum (PETM) Thierry Adatte, Jorge E. Spangenberg, Hassan Khozyem, Nils Baumann, Marcel Regelous, Maxime Tremblin, Rocio Jaimes Gutierrez, Sebastien Castellort
9:45-10:00	Eustatic variations across the Paleocene–Eocene Thermal Maximum in the epicontinental Tarim seaway Jingxin Jiang, Xiumian Hu, Juan Li, Eduardo Garzanti, Shijun Jiang, Ying Cui, Yasu Wang
10:00-10:15	Spatial heterogeneity in carbonate-platform environments across the Paleocene–Eocene Thermal Maximum in eastern Tethys Juan Li, Xiumian Hu, Eduardo Garzanti, Marcelle BouDagher-Fade
10:15-10:30	The first paleoclimatic records of the rudist genus (bivalvia) <i>Dictyoptychus</i> from the Upper Campanian on the Arabian Carbonate Platform, SE Türkiye Ismail Ömer Yılmaz, Oğuz Mülayim, Sacit Özer, Bilal Sarı, Kemal Taslı, İzzet Hoşgör
10:30-10:45	Coffee break
<i>Chairpersons: Mihaela Melinte-Dobrinescu and Xiumian Hu</i>	
10:45-11:00	Mercury and zinc cycles during Oceanic Anoxic Event 2 Hanwei Yao, <u>Xi Chen</u> , Michael Wagreich, Stephen E. Grasby, Sheng-Ao Liu, Bradley B. Sageman, Runsheng Yin, Rosalie Tostevin, Chengshan Wang
11:00-11:15	Preservation of the mid-Cretaceous hyperthermal event signals in deep and shallow marine paleosetting of Tethys Mihaela Melinte-Dobrinescu, Reliu-Dumitru Roban, Xi Chen, Dragos Mitrica
11:15-11:30	Spatially heterogenous seawater $\delta^{34}\text{S}$ and global cessation of gypsum deposition during the Toarcian Zhong Han
11:30-11:45	Palaeoenvironmental records across the early Toarcian hyperthermal event: from onset to recovery Alicia Fantasia, Thierry Adatte, Jorge E. Spangenberg, Emanuela Mattioli, Marcel Regelous, Christian Salazar, Romain Millot, Stéphane Bodin, Mikhail Rogov, Guillaume Suan
11:45-12:00	Volcanism as trigger of Sinemurian/Pliensbachian environmental changes? Evidence from Lower Jurassic marine (Western Tethys, Italy) and continental (Sichuan Basin, China) successions Hang Jiang, Marco Franceschi, Xin Jin, Nereo Preto, Stefano Covelli, Elisa Petranich, Nicolò Barago, Elena Pavoni
12:00-12:15	Pyrite-sulfur isotopes as an indicator of increased sedimentation rate during the Early Toarcian Anoxic Event Robert Newton, Wenhan Chen, Tianchen He, David Kemp
12:15-12:30	Marine redox dynamics in the European epicontinental sea during the end-Triassic mass extinction Tianchen He, Robert J. Newton, Paul B. Wignall
12:30-12:45	Enhanced chemical weathering during the Carnian Pluvial Episode in the Southern Alps (northern Italy) Piero Gianolla, Marcello Caggiati, Jacopo Dal Corso, Greta Alverà, Matteo Pecorari, Alberto Riva, Giuseppe Cruciani
12:45-13:00	The Carnian pluvial episode in China: tracing its origins, challenges, and perspectives Xin Jin, Zhiqiang Shi, Marco Franceschi, Piero Gianolla, Manuel Rigo, Marcello Caggiati, Yixing Du, Nereo Preto
13:00-13:15	Geochemical and palaeontological fingerprints of mixed clastic–carbonate successions from the Transdanubian Range (Hungary, Central Europe) during the Carnian Pluvial Episode (Late Triassic) Viktória Baranyi, Xin Jin, Ágnes Rostási, Béla Raucsik, Tamás Budai, Viktor Karádi, Emőke Tóth

13:15-13:30	Sedimentary response and palaeoenvironmental perturbations related to the continental Permian–Triassic hyperthermal crisis in North China <u>Zhicai Zhu</u> , Yongqing Liu, Hongwei Kuang, Andrew J. Newell, Alex J. Farnsworth, Michael J. Benton
MARE 3, 10. FLOOR	13.4 From river catchments to the deep sea: new frontiers of source-to-sink research
<i>Chairpersons: Alessandro Amorosi and Piret Plink-Björklund</i>	
9:00-9:30 Keynote	The Early Cretaceous continental-scale McMurray sediment routing system <u>Mike Blum</u> , Abdullah Wahbi
9:30-9:45	Links between Quaternary climatic changes and sediment flux recorded in a deep-water active rift basin <u>Mohammed Abdullahi</u> , Richard Collier, David Hodgson, Rob Gawthorpe
9:45-10:00	From flood to turbiditic events: reduced complexity modelling of the Var source-to-sink system <u>John Armitage</u> , Arthur Remaud, Vanessa Teles, Sébastien Rohais
10:00-10:15	The Last Glacial Maximum sequence of the Apennine–Adriatic system: new perspectives on offshore groundwater exploration by integrating source-to-sink analysis and sequence stratigraphic concepts <u>Bruno Campo</u> , Claudio Pellegrini, Irene Sammartino, Fabio Trincardi, Alessandro Amorosi
10:15-10:30	Integrated dam sediment management, a South African case study on enhancing water security <u>Lesego Gaegane</u>
10:30-10:45	Coffee break
<i>Chairpersons: Mike Blum and Bruno Campo</i>	
10:45-11:00	Hydroclimate controls on S2S sediment transport: integrating ancient, modern and experimental data <u>Piret Plink-Björklund</u> , Mark Hansford, Haipeng Li, Kenya Ono
11:00-11:15	Modern sediment accumulation and budget in the South China Sea <u>Shuqing Qiao</u> , Xuefa Shi, Jie Sheng, Yangguang Liu, Shengfa Liu, Jianguo Liu, Kunshan Wang, Xin Shan
11:15-11:30	Triassic sediment routing system as a tool for plate tectonics reconstructions. <u>Albina Gilmullina</u> , Tore Grane Klausen, Anthony George Doré, Hallgeir Sirevaag, Anna Suslova, Christian Haug Eide
11:30-11:45	Quantitative (3D) seismic stratigraphy of the Hammerhead shelf margin, southern Australia: Insights into stratigraphic architecture, shallow-marine processes, and deep-water sand delivery <u>John Shepherd</u> , Victorien Paumard, Simon Lang, Annette George
11:45-12:00	Sediment source to sink process and its controlling mechanism in Asian continental margin <u>Xuefa Shi</u> , Shuqing Qiao, Shengfa Liu, Jianjun Zou, Yanguang Liu, Zhengquan Yao, Kunshan Wang, Limin Hu, Jingrui Li, Gang Yang
12:00-12:15	Paleogeographic response to dynamic uplift in Shetland – constraints from Paleocene sediment fluxes and stratigraphy <u>Lucas Valore</u> , Tor Sømme, Stefano Patruno, Cécile Robin, François Guillocheau, Christian Eide
MARE 1, 10. FLOOR	15.1 Seismo-sedimentological characterization of 3D seismic data
<i>Chairpersons: Camille Msika and Alan Vranjković</i>	
9:00-9:30 Keynote	Three-dimensional seismic analysis of geomorphological features on early post-rift sequence of Mura Basin (Neogene Pannonian Basin System, Croatia) <u>Alan Vranjković</u> , Nada Krklec, Dina Zopf, Tomislav Antolić, Tihana Ružić, Camille Cosson, Camille Msika, Suzana Kovačević Roguljić, Tomislav Baketarić, Dániel Nyiri
9:30-9:45	Seismic geomorphology of Pannonian clastic reservoirs in Drava and Zala Basins, Pannonian Basin System <u>Tomislav Baketarić</u> , Alan Vranjković, Ana Majstorović-Bušić, Željka Marić-Đureković, Davor Pavelić
9:45-10:00	Seismo-sedimentological characterisation of Neogene successions in the Vienna Basin for exploring geothermal energy <u>Kanchan Dasgupta</u> , Florian Conradi, Gerald Stern, Wolfgang Siedl

10:00-10:15	Seismic characteristics of the Miocene section in Northern Song Hong Basin, offshore Vietnam: suggestion to predict depositional environment and potential hydrocarbon stratigraphic trap <u>Cuong Tong Duy</u> , Dung Bui Viet, Long Hoang Van, Tung Nguyen Thanh
10:15-10:30	Pannonian turbidites on a topographically complex slope as exploration targets in the Zala Basin <u>Imre Magyar</u> , Csilla Zadravec, Lilla Tóké, †András Németh, Dániel Nyiri, József Albird, Ferenc Csurgai
10:30-10:45	Coffee break
<i>Chairpersons: Camille Msika and Alan Vranjković</i>	
10:45-11:00	Reconstruction of the Upper Miocene deposits in the southeastern part of the Pannonian Basin, based on seismic, well log and sedimentological data <u>Janko Sovilj</u> , Vladislav Gajić, Irina Savić, Ivan Dulić, Goran Bogičević, Milena Dunčić
11:00-11:15	Seismic diagenetic facies prediction of tight sandstone in the offshore sparse well area: an example from the Xihu Depression of the East China Sea Basin <u>Wenguang Wang</u> , Chengyan Lin, Xianguo Zhang, Chunmei Dong, Lihua Ren, Jianli Lin
MARE 1, 10. FLOOR	15.2 Sedimentology and hydrocarbons
<i>Chairpersons: Camille Cosson and Alan Vranjković</i>	
11:15-11:30	Fluid activity and diagenetic response during tectonic inversion and its impact on reservoir quality and gas accumulation <u>Jianli Lin</u> , Chunmei Dong, Chengyan Lin, Xin Huang, Binbin Liu
11:30-11:45	Mechanism of pore evolution during the diagenesis and hydrocarbon generation of marine carbonate-rich shale – insights from thermal simulation experiments <u>Tong Wang</u> , Wenhui Liu, Dongdong Zhang, Xiaofeng Wang, Qingtao Wang, Houyong Luo
11:30-12:00	The architecture of Cambrian reef-beach and their control on favorable reservoirs: a case study of Gucheng area in Tarim Basin, NW China <u>You Zhang</u> , Xuefeng Bai, Zheng Xingping, Li Qiang
MARE 1, 10. FLOOR	16.2 Techniques and technologies in sedimentology
<i>Chairpersons: Slobodan Miko and Nikolina Ilijanić</i>	
15:15-15:30	Using ground-penetrating radar (GPR) to investigate the deposits from the Storegga slide tsunamis in the Shetland Islands, UK <u>Lucy Buck</u> , <u>Charlie Bristow</u>
15:30-15:45	Exploring the genesis of deep and ultra-deep fractured carbonate reservoirs based on fracture–water–rock simulation experiments and modeling <u>Qian Ding</u> , Jingbin Wang, Dongya Zhu
15:45-16:00	Application of a semi-automatic method for sedimentological mapping <u>Saverio Fracaro</u> , Annelore Bezzi, Giulia Casagrande, Simone Pillon, Davide Martinucci, Stefano Sponza, Giorgio Fontolan, Antonio Bratus
16:00-16:15	Innovational techniques in sedimentology – new insight on Witów Series gravels <u>Agata Kuźma</u> , Szymon Mol, Anastasiia Deryk, Anna Mickiewicz, Krzysztof Ninard, Piotr Łapcik
16:15-16:30	Cold and arid Late Quaternary climate oscillations as recorded in Lanzarote (Canary Island, Spain) <u>Vincenzo Pascucci</u> , Myriam Stelletti, Giulia Cossu, Mario De Luca, Giulia L. Faedda, Federica Perazzotti, Nicole Ruberti, Antonio Santonastaso, Daniele Sechi, Elena Volpato, Stefano Andreucci
16:30-16:45	Multi-sparse inversion spectral decomposition technology and its application in carbonate sedimentary cycle division and facies zone identification <u>Hongqiu Wang</u> , Qiyan Chen, Bingyang Liu, Xin Guo
MARE 2, 10. FLOOR	17.1 Open Science: data, software, knowledge, and education
<i>Chairpersons: Romain Vaucher and Valentin Zuchuat</i>	

15:15-15:30	The usage of open-source software applied to students' academic projects <u>Andrea Di Capua</u> , Clara Barale, Luca Bolzonella, Gaia Malisani, Lisa Passuello, Alessandro Rosi, Niccolò Viola
MARE 2, 10. FLOOR	17.3 Sedimentology and geotourism
<i>Chairpersons: Blanka Cvetko Tešović and Igor Vlahović</i>	
15:30-15:45	Sedimentology behind fascinating scenery and landforms of Mangistau (western Kazakhstan) – implications for geotourism and education <u>Milovan Fustic</u> , Gerald Osborn, Antoine Dillinger, Renat Iltukov, Dinara Nadirkhanova, Gyuzel Yeltay
15:45-16:00	As the sea rages <u>Tvrtko Korbar</u>
16:00-16:15	The Gargano Promontory (Italy): a perfect destination for carbonate sedimentology and geotourism in an aspiring UNESCO Global Geopark <u>Michele Morsilli</u> , Piero Gianolla
MARE 2, 10. FLOOR	17.4 Sedimentology and archaeology
<i>Chairpersons: Blanka Cvetko Tešović and Igor Vlahović</i>	
16:15-16:30	Carbonate rocks from the Kraków–Częstochowa Upland (Poland) – host of siliceous rocks – the provenance of siliceous rocks used as raw-materials <u>Alicja Kochman</u>
16:30-16:45	How do sea level, climate, and structural controls impact Mid-Holocene paleogeography and Late Neolithic population along the Arabian Sea shoreline (Bar Al Hikman peninsula, Oman) <u>Thomas Teillet</u> , Perrine Bois, Pankaj Khanna, Peter Homewood, Monique Mettraux, Volker Vahrenkamp

THURSDAY, 14TH JUNE 2023 | POSTER PRESENTATIONS

1.1 The response of continental carbonates to (paleo)environmental perturbations <i>Moderators: Daniel A. Petrush and Ivica Pavičić</i>	
1.1-P-04	Using stable isotopes in deciphering climate changes from travertine deposits: the case of the Lapis Tiburtinus Succession (Tivoli, Central Italy) <u>Alessandro Mancini</u> , Irene Cornacchia, Enrico Capezzuoli, Rudy Swennen, Marco Brandano
1.1-P-05	Paleoenvironments in the Sierra de las Cabras Ichnofossil Site (Late Miocene, SE Spain): a freshwater wetland in a semi-arid climate <u>Javier Martín-Chivelet</u> , Cayetano Herrero, Emilio Herrero, Félix Pérez-Lorente
1.1-P-06	Marine influenced low-gradient ephemeral lakes and vegetated marshes forming a palustric–lacustric carbonate setting (latest Cretaceous, Iberian Basin, Spain) <u>Diego Torromé</u> , Marcos Aurell, Andrea Martín, Adrijan Košir
1.1-P-03	Climatic periodicity in the Cretaceous synrift lacustrine sediments of the El Castellar Formation (Galve Subbasin, NE Spain) <u>Natalia Illueca</u> , Carlos L. Liesa, Ana R. Soria
1.1-P-07	Controlling factors for quality of Lower Jurassic nonmarine shale reservoirs in Sichuan Basin, China <u>Jinyi Wang</u> , Zhenkui Jin
1.1-P-01	Origin of atypical carbonate caprock assemblage in the Iranian salt diapirs (Paskhand salt diapir, Southern Iran) <u>Sadegh Adineh</u> , Prokop Zavada, Soraya Heuss-Aßbichler, Jiri Bruthans, Mathieu Daëron, Daniel A. Petrush
1.1-P-02	Stable isotope composition record through the Oligocene–Miocene transition in lacustrine sequences (Ebro Basin, NE Iberia) <u>Concha Arenas</u> , Lluís Cabrera, Cinta Osácar, Luis Valero, Javier Pérez-Rivarés, Joaquín Bastida, Miguel Garcés, Luis Auqué, Andres Gil, María J. Gimeno
1.1-P-08	Paleoenvironmental reconstruction of Bonan Sag, Bohai Bay Basin: evidence from aragonite laminae <u>Ziru Zhao</u> , Chunmei Dong, Jianli Lin, Pengjie Ma, Chengyan Lin, Lihua Ren
3.1 Deep-marine carbonate depositional systems <i>Moderators: Dujie Kukoč and Katarina Gobo</i>	
3.1-P-01	The sedimentary record of the last Mesozoic anoxic event (OAE3) in a tropical epicontinental sea <u>Alexandra Delgado</u> , Manuel Paez-Reyes, Gabriel Mendoza, Oscar Romero
3.1-P-02	Spectacular Alpine mass wasting deposits – a case study from the Lower Jurassic Alpine margin <u>Rüdiger Henrich</u>
3.1-P-03	Usefulness of strontium isotope stratigraphy in slope–basinal carbonate environments (Middle–Upper Jurassic, Mallorca, western Tethys) <u>José María López-García</u> , Idoia Rosales, Antonio Barnolas, Mercedes Castillo-Carrión, Ana Sevillano, Javier Martín-Chivelet
4.1 Special Session in celebration of Maurice Tucker's contribution to carbonate sedimentology <i>Moderators: Juan Carlos Laya and Paul V. Wright</i>	
4.1-P-01	Carbonate shoals and coastal barriers are misunderstood <u>Robert Dalrymple</u> , John Rivers
4.1-P-02	Controls on Neogene carbonate facies and dolomitization on an isolated carbonate platform – the Island of Bonaire <u>Juan-Carlos Laya</u> , Maurice Tucker, Chia Pei Teoh, Fiona Whitaker, Cameron Manche, Tatyana Gabellone, Stephen Kaczmarek

4.1-P-03	Characteristics, distribution and origin of Cretaceous dolostones from the western Maestrat Basin (E Iberian Chain) Eider Rua, Irene Cantarero , Eloi Carola, Telm Bover-Arnal
4.3 Non-marine and marine carbonate factories and their expressions in sequence stratigraphy <i>Moderators: John Reijmer and Emmanuelle Vennin</i>	
4.3-P-01	The classical Santonian carbonate platforms of Les Collades de Basturs (southern Pyrenees) revisited with drone imagery Oriol Góngora, Eloi Carola, Irene Cantarero , Telm Bover-Arnal
4.3-P-02	Sedimentary architecture of carbonate mud mounds: a case study on the Dengying Formation of Sinian in Sichuan Basin, China Qinyu Xia , Zhenhua Guo, Wen Li
4.6 Carbonate sedimentary systems and their petrophysical expression <i>Moderators: Eva de Boever and Anneleen Foubert</i>	
4.6-P-01	Zechstein petrophysical facies variability across the greater Mid North Sea High area Thomas Houghton , Rachel Brackenridge, Joyce Neilson
4.6-P-02	Sedimentology and Geochemistry of Carbonate Bearing-Argillites on the Southeastern Flank of Mount Cameroon (Likomba) Gilbert M. Chongwain, Christopher M. Agyingi, Josepha Foba-Tendo, Tuutaleni Angula
4.7 General topics in carbonate sedimentology <i>Chairpersons: Stephen Lokier and Tanja Unger</i>	
4.7-P-01	The Late Thanetian demise of coral reefs in the Hazara Basin (Pakistan) Mubashir Ali , Eduardo Garzanti, Luca Mariani, Andrea Benedetti, Pietro Sternai, Daniela Basso, Elisa Malinverno, Muhammad Jawad Munawar, Khurram Shahzad, Suleman Khan, Muhammad Awais, Giovanni Coletti
4.7-P-02	Palaeoenvironmental and stratigraphic reconstruction of the Early Eocene foraminiferal limestone of Pag Island (Croatia) Luca Mariani , Giovanni Coletti, Giulia Bosio, Guillem Mateu-Vicens, Elisa Malinverno
4.7-P-03	Mg-rich brine seeps in the Burgess Shale Lagerstätte constrained by dolomite U–Pb geochronology Cole A. McCormick , Hilary Corlett, Nick M. W. Roberts, Jack Stacey, Ardiansyah Koeshidayatullah, Paul A. Johnston, Christopher J. Collom, Cathy Hollis
4.7-P-04	Global shelfal carbonate factory, processes and patterns Or Mordechay Bialik , Giovanni Coletti, Luca Mariani, Lucrezi Commissario, Fabien Desbiolles, Agostino Meroni
4.7-P-05	Relationship and interaction of carbonate bioclastic sediment and Posidonia oceanica in case of two Croatian pocket beaches Kristina Pikelj
4.7-P-06	Carbonate platform margin to foreland basin evolution in the Pre-Karst Unit of the Dinarides (Gacko, Bosnia and Herzegovina) Robert Šamarija , Borna Lužar-Oberiter, Anja Kocjančič, Šimun Aščić, Krešimir Petrinjak
4.7-P-07	Research methods and exploration significance of ancient water systems of carbonate buried hill Qiyang Chen , Hongqiu Wang, Jianhu Gao
5.3 Continental clastic depositional systems <i>Moderators: Marta Marchegiano and Davor Pavelić</i>	
5.3-P-01	Extracting the fingerprint of a city's history: the anthropogenic impact of Vienna as seen in downstream Danube river sediments Diana Hatzenbühler , Michael Weißl, Karin Hain, Christian Baumgartner, Michael Wagreich
5.3-P-02	Late Cretaceous fluvial systems of the Gippsland Basin, SE Australia Liz Mahon , Malcolm Wallace

5.3-P-03	Why are complex aeolian systems apparently scarce in the Precambrian record? Lessons from the Galho do Miguel Formation (SE Brazil) Áquila Ferreira Mesquita , Giorgio Basilici, Davi Machado Querubim, Carlos Roberto de Souza Filho, Nigel P. Mountney, Luca Colombera, Juraj Janöcko
5.3-P-04	Factors controlling the sedimentary evolution in an Upper Jurassic fluvial system (Morrison Fm, Colorado Plateau) Cristina Sequero , Eduardo Puértolas, Lope Ezquerro, André Saleiro, Filippo M. Rotatori, Francisco Costa, Alexandre R.D. Guillaume, Alexandra E. Fernandes, Oliver W.M. Rauhut, Victor Beccari, Carl Mehling, Miguel Moreno-Azanza
5.3-P-05	Red or black? Sediment color as a reflection of early diagenetic processes in glaciofluvial sediments Daniel Šimiček , Ondřej Bábek, Hedvika Weinerová, Lukáš Ackerman
5.3-P-06	Soft-sediment deformation structures – development in laboratory conditions Szymon Świątek , Małgorzata Pisarska-Jamroz
5.3-P-07	In search of sedimentological records of Quaternary earthquakes in central Europe Szymon Świątek
5.3-P-08	Sedimentological postcards from Ireland's earliest forest: biogeomorphological innovations recorded in the Late Devonian Harrylock Formation, Co. Wexford Yorick P. Veenma , Neil S. Davies, Kenneth T. Higgs, William J. McMahon
6.5 Spatial and temporal variability in coastal to shelf environments <i>Moderators: Marta Cosma and Anna van Yperen</i>	
6.5-P-01	Sedimentation on a channelized, open-coast macrotidal flat of the mid-western coast of Korea Seolhui Bang , Joohee Jo, Dohyeong Kim, Kyungsik Choi
6.5-P-02	Subaqueous dune asymmetry analysis reveals separation of a linear tidal sand ridge off the Garolim Bay mouth, midwestern macrotidal coast of Korea Tae Soo Chang , Eunil Lee, Do-Seong Byun, Young Yun Lee
6.5-P-04	Sedimentology and stratigraphic variability of uplifted Late Quaternary shoreline deposits along the southern margin of the Corinth Rift, Greece Flavio Norberto de Almeida Junior , Martin Muravchik, Robert Gawthorpe
6.5-P-05	Natural vs. Anthropogenic signature in a coastal evolution. The case study of the Domitia littoral (southern Italy) Daniela Ruberti , Carla Buffardi, Marco Vigliotti
6.5-P-06	Variability in process regime in the Lower Cretaceous Pilmatué marginal-marine system (Neuquén Basin, Argentina) Lucas Francisco Mon , Marcello Gugliotta, Ernesto Schwarz
12.6 Paleosols as valuable records of terrestrial climate and environments <i>Moderators: Goran Durn and Adrijan Košir</i>	
12.6-P-01	Redoximorphic features in paleosols in Plio-Quaternary alluvial deposits in Slovenske Gorice, Western Pannonian Basin, Slovenia Jernej Hartman, Tomislav Popit, Adrijan Košir
12.6-P-02	Does a change in hydrological conditions impact mineralogy and chemistry of Pennsylvanian paleosols from the Upper Silesia Coal Basin (Poland)? Preliminary results Artur Kuligiewicz , Patrycja Wojtowicz, Stanislav Oplustil, Jakub Jirasek, Janusz Jureczka, Artur Kedzior, Richard Lojka, Weronika Nadlonek, Beata Naglik, Mariusz Paszkowski
12.6-P-03	Paleoenvironmental and paleoclimatic changes during the deposition of Upper Jurassic bauxites and their immediate cover: case study of the Rovinj bauxite pit, Istria, Croatia Ivor Perković , Goran Durn, Blanka Cvetko Tešović, Srečo D. Škapin, Darko Matešić, Igor Vlahović, Maja Martinuš, Milan Mihovilović, Tianchen He, Robert J. Newton
12.7 IGCP 739 The Mesozoic–Paleogene hyperthermal events <i>Moderators: Ismail Ömer Yilmaz and Robert Newton</i>	

12.7-P-01	A multiproxy record of the Paleocene–Eocene Thermal Maximum at the Contessa road section, Italy Adrien Bijoux, <u>Alicia Fantasia</u> , Thierry Adatte, Jorge E. Spangenberg, Nils B. Baumann, Marcel Regelous
12.7-P-02	Response of the Late Paleocene–Eocene sediments to relative sea-level changes in High Zagros, Lorestan <u>Parisa GholamiZadeh</u> , Fuyuan Wu, Bo Wan, Xiumian Hu
12.7-P-03	Time response of the climate system at the onset of the early Aptian OAE 1a <u>Cristina Sequero</u> , Sandro Froehner, José Manuel Castro, Ginés A. de Gea, María Luisa Quijano, Roque Aguado
15.2 Sedimentology and hydrocarbons <i>Moderators: Camille Msika and Alan Vranjković</i>	
15.2-P-01	The application of CO₂ EOR techniques in the western part of Moesian Platform <u>Sorin Anghel</u> , Sava Constantin, Dudu Alexandra
15.2-P-02	Miocene facies characterization and distribution in the Zalata–Dravica area (Drava Depression, Pannonian Basin, Croatia/Hungary) <u>Krešimir Krizmanić</u> , Tamara Troskot-Čorbić, Morana HERNITZ Kučenjak, Ninoslav Sabol
15.2-P-03	Sedimentary characteristics and oil-bearing of mixed shale in northern Dongying Sag, eastern China <u>Hao Liu</u> , Shaochun Yang
15.2-P-04	Lithofacies analysis of coarse-grained clastics using borehole image texture classification and MRGC clustering method <u>Željka Marić Đureković</u> , Suzana Kovačević Rogulčić
15.2-P-05	Mud volcanism and seismicity in the Gulf of Cadiz, a symbiotic relationship? <u>Walter Menapace</u> , Alba González-Lanchas, Roger Urgeles, Héctor Perea, Jasper Moernaut
15.2-P-06	Pleistocene gas-bearing clastic deposits of the Northern Adriatic, Croatia <u>Goran Mikša</u> , Mario Matošević, Morana HERNITZ Kučenjak
15.2-P-07	Depositional control over oil reservoir quality in aeolian sandstones: a case study on the Triassic Piramboia Formation, Paraná Basin, SE Brazil <u>Davi Machado Querubim</u> , Áquila Ferreira Mesquita, Giorgio Basilici, Carlos Roberto de Souza Filho
15.2-P-08	Petrophysical characteristics and oil storage in the Piramboia Formation aeolian sandstone reservoirs, Paraná Basin, Brazil <u>Davi Machado Querubim</u> , Áquila Ferreira Mesquita, Giorgio Basilici, Carlos Roberto de Souza Filho
15.2-P-09	Sedimentary characteristics and reservoir differences of shallow water delta in Yangjiang Sag, Pearl River Mouth Basin <u>Haoran Shi</u> , Shaochun Yang
15.2-P-10	Sedimentary characteristics and reservoir property of deep lacustrine fine-grained rocks in Shengbei area, eastern China <u>Lumin Wang</u> , Shaochun Yang
15.2-P-11	Reservoir characteristic and its relationship with Estimated Ultimate Recovery of Jurassic tight shelly limestone reservoir in the central Sichuan Basin, Southwest China <u>Shaoyong Wang</u> , Yuan Wang, Denghua Li
15.2-P-12	Depositional characteristics of microbial carbonate reservoir and their effects on favorable reservoir distributions of the IV Member of Sinian Dengying Formation, Gaoshiti-Moxi area, Sichuan Basin, Southwest China <u>Yuan Wang</u> , Shaoyong Wang, Haijun Yan, Yijie Zhang, Zhenyu Zhao, Debo Ma
16.2 Techniques and technologies in sedimentology <i>Moderators: Slobodan Miko and Nikolina Ilijanić</i>	

16.2-P-01	High resolution cyclostratigraphy of the Upper Carboniferous coal-bearing strata: the need for new approaches and concepts Janusz Jureczka, Stanislav Oplustil, Jakub Jirasek, Artur Kedzior, Artur Kuligiewicz, Jiri Laurin, Richard Lojka, <u>Beata Naglik</u> , Weronika Nadlonek, Mariusz Paszkowski
16.2-P-02	3D Geological model of the Paleogene deposits in bauxite-bearing district Snižnica (Posušje, BiH): from visualization to finding new bauxite deposits <u>Ivica Pavičić</u> , Ivan Dragičević, Kosta Urumović, Ivan Grubišić
16.2-P-02-A	Late Glacial depositional model of fluvio–aeolian succession in central part of European Sand Belt <u>Robert J. Sokołowski</u> , Paweł Zieliński, Piotr Moska
16.2-P-03	Dingo NeutronCT: a novel high-resolution and non-destructive method for diagenetic vetting of fossil coral cores for geochronological and paleoclimate reconstructions Carra Williams, <u>Jody Webster</u> , Joseph Bevitt, Gregory Webb, Luke Nothdurft, Victorien Paumard
17.1 Open Science: data, software, knowledge, and education <i>Moderators: Romain Vaucher and Valentin Zuchuat</i>	
17.1-P-01	Open source software and tools for mapping and reconstructing sedimentary sequences Federica Barilaro, Andrea Di Capua, Christian Gencarelli, Mohammed Hammouti, Debora Voltolina, Simone Sterlacchini, Marco Zazzeri, Gianluca Norini, Paolo Schirolli, Davide Tantardini, Andrea Zerboni, Roberto de Franco, Chiara D'Ambrogio, Andrea Piccin
17.1-P-02	DDE-Outcrop3D: exploring new forms of field geology education and research Zongqi Lin, <u>Hanting Zhong</u> , Jianhua Chen, Mingcai Hou, Yalin Li, Xiumian Hu, Chengshan Wang
17.1-P-03	Sedimentologica: a community-driven diamond open access journal in sedimentology Camille Thomas, Aurelia Privat, Romain Vaucher, Yvonne Sychala, <u>Valentin Zuchuat</u> , Marta Marchegiano, Miquel Poyatos-Moré, Ian Kane, Domenico Chiarella, Rachel Kernen, Farid Saleh
17.4 Sedimentology and archaeology <i>Moderators: Blanka Cvetko Tešović and Igor Vlahović</i>	
17.4-P-01	Landscape impact and renaturalisation of a Bronze Age human community (Paduli, Colli sul Velino, Central Italy) <u>Giorgio Basilici</u> , Carlo Virili, Paolo Lorenzoni, Áquila Ferreira Mesquita Filho, Carlos Roberto de Souza Filho, Davi Machado Querubim
17.4-P-02	An exploratory paleoenvironmental study on a coastal Palaeolithic site in Albania through an integrated stratigraphic approach (Dalani i Vogël, Vlora) Federica Badino, Rudenc Ruka, Marco Peresani, Roberta Pini, <u>Manfred Frechen</u> , Valentina Argante, Davide Susini, Davide Abu El Khair, Roberto Comolli, Ilaria Mazzini, Ilir Gjipali, Kriedian Çipa, Davide Margaritora
17.4-P-03	Modelling earthquake and palaeotsunami damage scenarios on the coasts of the Eastern Mediterranean between 300–551 CE <u>Radosław Staniszewski</u> , Anna Wysocka, Tomasz Waliszewski, Anna Filipek
17.5 Open topics in sedimentology <i>Moderators: Blanka Cvetko Tešović and Igor Vlahović</i>	
17.5-P-01	Miocene marine phosphogenesis along the Peruvian coast: origin and sedimentological significance of the Pisco Formation phosphorites <u>Giulia Bosio</u> , Anna Gioncada, Elisa Malinverno, Giovanni Coletti, Alberto Collareta, Luca Mariani, Alessandro Cavallo, Giovanni Bianucci, Mario Urbina, Claudio Di Celma
17.5-P-02	Earthquake-induced liquefaction of Quaternary continental deposits (2020 Petrinja earthquake, Croatia): a sedimentological perspective Luca Minarelli, Sara Amoroso, Daniela Fontana, Stefano Lugli, Marco Stefani, Francesca Cinti, Daniela Pantosti, Christian Valvano, EUTEAM Working group, Anita Grizelj, Jasmina Martinčević Lazar, Nikola Belić, Kosta Urumović, <u>Lara Wach</u>