







Earth-Ocean Link Itinerant School

The 9-day EOL Master Class (including field trip) is scheduled for Monday, 9th October 2023 to Tuesday, 17th October 2023 at the University of Ghana, Accra.

For millions of years, the forces of nature have continually changed the Earth's surface. Plate tectonics has guided the tectonic evolution of the Earth while the gradual erosion and peneplanation of highlands has provided sediments for the formation of basins. Coastlines have also experienced significant transformation and hold in them vital information required to piece together the evolution of our Earth. This information is relevant in our quest to understand Earth's past as we try to model future events on land and at sea.

	Sunday, 8th October 2023	
Arrival		

Monday, 9th October 2023				
Opening Ce	Opening Ceremony (Chaired by Prof. Sandow M. Yidana, Dean SPMS and supported by Prof. L. P. Chegbeleh, HoD Earth Science)			
9:30 AM	9:35 AM	Opening Prayer		
9:35 AM	9:45 AM	Welcome Address by Head of Department, Earth Science		
9:45 AM	9:50 AM	Introduction of Chairperson		
9:50 AM	10:00 AM	Remarks by Chairperson (Dean, SPMS)		
10:00 AM	10:10 AM	Remarks by Pro-VC, University of Ghana		
10:10 AM	10:20 AM	Remarks by Representative from the French Embassy		
10:20 AM	10:30 AM	Remarks by EOL French Delegation to be given by <i>Dr. Daniel Aslanian</i>		
10:30 AM	10:35 AM	Remarks by EOL South African Delegation to be given by Dr. Bastien Linol		
10:40 AM	10:45 AM	Remarks by EOL UCC Delegation to be given by Dr. Donatus Angnuureng		
10:45 AM	10:50 AM	Remarks by EOL UG Delegation to be given by Dr. Joseph Thompson		
10:50 AM	11:10 AM	Photo Session & Coffee Break		

















Academic Talks			
11:10 AM	12:20 PM	Your brain is lying to you and you are its accomplice! -Epistemology and Science by Daniel Aslanian (IFREMER)	
		We all have brains! Wonderful machine whose slow evolution allows us to think, exchange, understand, write, interpret, imagine. But can we always trust first appearances? What traps can we avoid when we are a scientist? You will learn that the most important thing is not to find a good answer but to find the right question and that more important than the solution itself is the way to answer the question	
12:20 PM	1:00 PM	Sedimentology by Marina Rabineau	
1:00 PM	2:00 PM	Lunch	
2:00 PM	2:40 PM	Passive margins, genesis, and evolution – towards a new paradigm <i>by Daniel Aslanian (IFREMER)</i>	
2:40 PM	3:20 PM	Depositional environment and paleoclimate of the Neoproterozoic Kodjari formation of the Voltaian Supergroup, Ghana <i>by Jennifer Agbetsoamedo</i>	
3:20 PM	4:00 PM	A holistic approach: the Galactic Geodynamics project by Daniel Aslanian (IFREMER)	
4:00 PM	4:40 PM	Discussions	
4:40 PM	5:00 PM	Coffee Break	

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		Tuesday, 10th October 2023
9:00 AM	9:40 AM	Stratigraphic Studies by Marina Rabineau
9:40 AM	10:20 AM	Modeling of sedimentary deposits of the Niger Delta by Ikenna
10:20 AM	11:00 AM	Petrological Studies by Roussey Mael
11:00 AM	11:20 AM	Coffee Break
11:20 AM	12:00 PM	Palaeo-Oceanographic Modeling by <i>Théo</i>
12:00 PM	12:40 PM	Geomorphic controls on the morphology of the Central Coast, Ghana <i>by Dr. Julia Quaicoe</i>
12:40 PM	1:20 PM	Estimating Sediment Flux Along the Coastline of Ghana by Godwin Tutu Ofosu
1:20 PM	2:20 PM	Lunch

















2:20 PM	3:00 PM	Assessing Current and Future Flood along Moree Beach by Adizatu Abass
3:00 PM	3:40 PM	Exploring the CoastSat Model for shoreline change analysis in the Bight of Benin <i>by Janet Frimpomaa</i>
3:40 PM	4:20 PM	Velocity modeling approach for depth conversion of reflection seismic data in the deep water Tano Basin <i>by Hamdiya Adams</i>
4:20 PM	4:40 PM	Coffee Break

		Wednesday, 11th October 2023
9:00 AM	9:40 AM	Earth-Ocean Links across the southern margin of Africa by Bastien Linol (AEON Director)
9:40 AM	10:20 AM	Contribution of citizen science towards sustainability by Nyaradzo Dhliwayo (Postdoc)
10:20 AM	11:00 AM	Plastic degradation and AEON environmental light stable isotope laboratory <i>by Victor Agbakoda (Postdoc)</i>
11:00 AM	11:20 AM	Coffee Break
11:20 AM	12:00 PM	Shine the light through different mediums and ground movement monitoring using distributed sensing with an optical fibre by James Jena (Postdoc)
12:00 PM	1:00 PM	Seismic Practice
1:00 PM	2:00 PM	Lunch
2:00 PM	4:20 PM	Seismic Practice
4:20 PM	4:40 PM	Coffee Break
4:20 PM	4:40 PM	Coffee Break

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	Thursday, 12th October 2023				
	9:00 AM	9:40 AM	Ambient noise application in geological mapping and groundwater exploration by Thully Kunjwa (PhD)		
	9:40 AM	10:20 AM	Fluvial sedimentology and source provenance analysis of diamondiferous deposits from a Middle Orange River by Cameron McLaren (Master)		
	10:20 AM	11:00 AM	Clumped isotope paleo-temperatures from the Kalahari Plateau <i>by Sameera Musa (PhD)</i>		

















11:00 AM	11:20 AM	Coffee Break
11:20 AM	12:00 PM	Quantifying variability of CH ₄ greenhouse gases in cattle farming <i>by Tebogo Sebake (PhD)</i>
12:00 PM	1:00 PM	Seismic Practice
1:00 PM	2:00 PM	Lunch
2:00 PM	4:20 PM	Seismic Practice
4:20 PM	4:40 PM	Coffee Break

		Friday, 13th October 2023
9:00 AM	9:40 AM	Wave Conditions in West Africa: Comparison of Era 5 Reanalysis and CMENS Reanalysis to Estimate Wave Climate <i>by Yusif Owusu</i>
9:40 AM	10:20 AM	Assessing the Evolution of the Volta River Estuary Using Remote Sensing by Richard Buabeng
10:20 AM	11:00 AM	Bayesian-Based Coastal Risk Modelling: A Case of Volta Delta by Kwesi Antwi-Agyakwa
11:00 AM	11:20 AM	Coffee Break
11:20 AM	12:00 PM	Validation of Satellite Derived Shoreline on A Country Scale: A Case Study of Ghana by Ahmed Ampong
12:00 PM	1:00 PM	Analyzing the Distribution and Implications of Gas and Petroleum Filling Stations in the Cape Coast Metropolitan Area <i>by Elijah Atambila</i>
1:00 PM	2:00 PM	Lunch
2:00 PM	4:20 PM	Seismic Practice
4:20 PM	4:40 PM	Coffee Break

	Saturday, 14th October 2023			
9:00 AM	9:40 AM	The evolution of medical geology. Its significance in Ghana and essence on public health <i>by Michael Kwame Peters (PhD)</i>		
9:40 AM	10:20 AM	Deciphering piggyback basin formation within the pericratonic Volta Basin by <i>Emmanuel Nyavor (PhD)</i>		
10:20 AM	11:00 AM	Litho-structural mapping of the Bombouaka Group of the Volta Basin of Ghana <i>by Michael Blavo</i>		

















11:00 AM	11:20 AM	Coffee Break
11:20 AM	12:00 PM	Seismic Practice
12:00 PM	1:00 PM	Seismic Practice
1:00 PM	2:00 PM	Lunch
2:00 PM	4:20 PM	Seismic Practice
4:20 PM	4:40 PM	Coffee Break

Sunday, 15th October 2023 to Tuesday, 17th October 2023

Field Trip to Takoradi in the Western Region of Ghana

Departure







