

T5: Water, Energy & Sustainable Subsurface

Room1	Saturday, November 8th, 2025	
	Chairs: Rihab Guellala (Tunisia) / Abdelaziz Mridekh (Morocco)	
10:45 – 10:30	Structural Insights from Gravity Data: Extraction and Depth Analysis of Lineaments within the Geological Context of the Paleozoic Zone of Rabat–Tiflet (Western Meseta Morocco)	Fatima Bourih (Online)
11:00 – 11:15	Geophysical imaging and geodynamic evolution of the complex Pliocene-Quaternary aquifer system of the MaÅ¢mora plateau (NW Morocco)	El Bouhaddioui Mohamed
11:15 – 11:30	Selective tectonic inversion in salt bearing basins inferred from integrated interpretation of gravity and 2D seismic data (Northeastern Tunisia)	Boussiga Haïfa
11:30 – 11:45	Structural Framework and Fault System Evolution of the Abiod Reservoir Eastern Tunisia: Insights from Integrated Seismic and Potential-Field Data	Khouni Radhouane
11:45 – 12:00	Integrated Geophysical Methods (Gravimetry, TDEM and seismic data) for Mapping Groundwater Aquifer Distribution in Structurally Complex Region: A Case Study of Bou Omrane - Sebkhet Ennaouel, Southern Tunisian Atlas	Ghaib Marwa
12:00 – 12:15	Lithosphere thermal structure inferred from Curie depth estimated by Fourier Spectral Centroid method of magnetic anomalies: Implication Tectonic and Geothermal Exploration	Boujamaoui Mustapha
12:15 – 12:30	Characterization of groundwater aquifers in the Borj El Amri Region (Northeastern Tunisia) Using an Integrated Geophysical Approach	Rabhi Takwa

Room3	Saturday, November 8th, 2025	
	Chairs: Mohamed Gharbi (Tunisia) / Mustapha Boujamaoui (Morocco)	
14:00 - 14:15	Deep Structures identification in Center Tunisia based on Seismic analysis and Gravity inversion	Houatmia Faten
14:15 - 14:30	Determination of Major Fault Orientations and Subsurface Structures in the Dakhla Basin (Northeastern Tunisia) Using Geophysical and Field Data	Dhouioui Sabra
14:30 - 14:45	Contribution of vertical electrical soundings to the hydrogeological study of the Saouaf-Djebibina plain (Northeastern Tunisia)	Hdhili Amal
14:45 - 15:00	Hydrogeological and Hydrogeophysical Study of the Balaoum–Kalâa Kbira Aquifer System	Abouda Wafa
15:00 - 15:15	Integrated Gravity and Structural Study of the Abiod Carbonate Aquifer, Mateur-Hedil Region, Northern Tunisia	Elgattoussi Sourour
15:15 - 15:30	Quantification of Uranium and Thorium in Oum Er-Rabia River Water Using Alpha Track Detection Method	Oufni Lhoucine
15:30 - 15:45	Geophysical Investigation Study of the Relationship of Regueb - Sfax Aquifer Systems in the Tunisian Sahel	Babou Mohamed Lemine
Coffee-Break ☕		
16:15 - 16:30	Aeromagnetic Contributions to Structural and Mineral Exploration in the Middle Atlas (Morocco): A Bibliometric and Interpretative Study	Ait Haddou Hanane
16:30 - 16:45	Uncertainties of electrical prospecting in estimating the thickness of geological layers. Application to the alluvial plain of Nil wadi (NE Algeria)	Debieche Taha-Hocine
16:45 - 17:00	Modélisation des besoins en eau d'irrigation dans la Mitidja (Algérie) à partir des données climatiques CMIP6	Khadidja Gherbi
17:15 - 17:30	Definition and characterization of Triassic and Jurassic water reservoirs in southern Tunisia using well logs.	Makhlouf Ibtissem
17:30 - 17:45	Hydrogeophysical assessment of the El Fahs Graben (Northern Tunisia) Using Vertical Electrical Sounding and 2D geophysical imaging	Ferhani Manel
17:45 - 18:00	Combining Gravity and seismic reflection to explore Deep Groundwater resources in the Grombalia Graben, Northeastern Tunisia	Ben Chouchene Ameni

Room3	Sunday, November 9th, 2025	
	Chairs: Adnen Amiri (Tunisia) / Hamza Bouabdallah (Algeria)	
08:30 - 08:45	Integrating Geophysical and Numerical Modelling Approaches to Assess Dam Leakage Contributions to Groundwater Recharge in a Semi-Arid Mediterranean Basin under Climate Change	Neji Mohamed
08:45 - 09:00	Structural and Subsurface Investigation of the Monastir-Mahdia Region Using Gravity and Seismic Reflection Profile : Prospecting for Potential Deep Aquifer	Sofien Yahyaoui
09:00 - 09:15	Petrophysical characterization of the Turonian Carbonate Reservoir (Bireno member) in the Gulf of Gabes, Offshore Tunisia	Mahmoudi Houda
09:15 - 09:30	Vertical and Lateral reservoir variability of the Ketatna, Ain Ghrab and Birsia formations in an X concession in the Gulf of Hammamet, Northeastern Tunisia	Jemai Abir
09:30 - 09:45	Subsurface Characterization through Geophysical Inversion: Hydrogeological Implications in the Siliana Area, Northwest Tunisia	Benassi Ramdhane
09:45 - 10:00	3D constrained electrical inversion for subsurface imaging in mining exploration: case study from northern Tunisia	Amiri Adnen
10:00 - 10:15	Seismic-electrical sequential characterization of Miocene reservoirs in the Rharrb Basin (NW Morocco).	Bouri Ahlam
Coffee-Break ☕		
10:45 - 11:00		
11:00 - 11:15		
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11:45 - 12:00		