

ICGoES DAY 1 (Thursday, 12 September 2024)

Venue: Smart and Green Learning Center (SGLC), Faculty of Engineering, Universitas Gadjah Mada, Yogyakarta

AUDITORIUM ROOM		
Time (UTC +7)	http://ugm.id/ICGoES2024	
7:30	Open registration	
8:00	Formal opening	
8:05	Welcoming address from Head of Geological Engineering UGM (Dr. Agung Setianto)	
8:10	Welcoming address from Dean Faculty of Engineering UGM (Prof. Selo)	
8:15	Remarks from AUN/SEED-Net Representative (Ms. Naomi Jimbo)	
8:30	Presentation about AUN/SEED-Net Program (Sirin Chakamanont, Ph.D.)	
8:45	Presentation about Collaboration of AUN/SEED-Net and JASTIP (Taro Sonobe, Ph.D.)	
9:00	Presentation about ASEAN Engineering Journal (Prof. Norhazilan Bin Md. Noor, Ph.D.)	
9:15	Mini Break	
9:25	Plenary Session 1: The current role of geosciences/geotechnology for sustainable future and hazard mitigation (Moderator: Dr. Esti Handini)	
9:30	Prof. Amanda Clarke (Assessing volcanic hazards in caldera settings)	
10:00	Prof. Kyuro Sasaki (What environmental monitoring should be considered for geological CO2 storage?)	
10:30	A/Prof. Kotaro Yonezu (New geochemical analysis opens new insights on geoscience: Towards mineral and geothermal resource exploration/management)	
11:00	Panel Discussion / Q&A Session	
12:00	Lunch Break	
Parallel session (A1 - Applied Geosciences 1) Moderator: Dr. Gayatri Indah Marliyani		
13:00	A1-01S	Fault Identification Using Digitally-Extracted Lineament and Aspect-Slope at the Bonjol Geothermal Prospect, Pasaman, Indonesia
13:15	A1-02S	Utilizing Machine Learning in Understanding Silica Scale Formation: Prediction of Polymerization and Adsorption Behavior of Silicic Acid
13:30	A1-03L	Fault Identification Using Inversion Modeling and Gradient Method of Gravity Data in Bandar Lampung City
13:45	A1-05L	Event detection of seismic explosion at Anak Krakatau Volcano, Sunda Strait using cross-correlation
14:00	G4-04L	Mineralogical Transformation and Ni Enrichment Thorough Reduction Roasting of a Limonite Ore from Tinanggea Area, South Konawe Regency of Southeast Sulawesi
14:15	Mini Break	
Parallel session (G2 - Georesources 2) Moderator: Dr. Haryo Edi Wibowo		
14:30	G2-01S	Microfacies and Paleomire Reconstruction of Korinci Formation Coal, Peranap, Central Sumatra Basin
14:45	G2-02S	Distributary Channel 3D Facies Modelling, 'X' and 'Y' Interval Balikpapan Group, 'ADIS' Field, Kutai Basin
15:00	G2-03S	Identification and Estimation of CO2 Storage Capacity in Muara Enim Formation Coal in Musi Banyuasin Region, South Sumatra Province
15:15	G2-05L	Coal Characteristics of the Balikpapan Formation in Sanga Sanga area, Lower Kutai Basin, East Kalimantan, Indonesia
15:30	G2-05S	Analysis of Depositional Environment and Diagenesis of the Ngrayong Formation in Sendangharjo Village, Blora District, Blora Regency, Central Java Province
15:45	G4-02S	Texture of Ore Minerals in the Polymineral Deposits Beruang Kanan Site, Central Kalimantan
16:00	Closing of Day 1	

Room	Zoom link
Auditorium	http://ugm.id/ICGoES2024
Meeting Room 1	http://ugm.id/ICGoESR1
Meeting Room 2	http://ugm.id/ICGoESR2
Multifunction 2	http://ugm.id/ICGoESM2

MEETING ROOM 1 http://ugm.id/ICGoESR1				MEETING ROOM 2 http://ugm.id/ICGoESR2				MULTIFUNCTION 2 http://ugm.id/ICGoESM2			
Parallel session (G1 - Georesources 1) Moderator: Dr. D. Hendra Amijaya				Parallel session (E1 - Earth Sustainability 1) Moderator: Dr. I Gde Budi Indrawan				Parallel session (A2 - Applied Geosciences 2) Moderator: Dr. Sarju Winardi			
G1-01S	Extended Elastic Impedance (EEI) Based On Stochastic Inversion And Probability Neural Network (PNN) to View Thin Layers And Prediction of Vshale Distribution In 3D			E1-03S	A Hydrogeological Perspective on the Performance and Safety of Dams in Central Java Province.			A2-01S	Pollen Based Paleoeological Reconstruction of Upper Muara Enim Formation in the Tanjung Agung Area and surrounding, South Sumatra Basin, Indonesia (Revision)		
G1-02S	Petrophysics Analysis of Unconventional Reservoirs in Miocene Interval, Area "ENC"			E4-05L	Effect of rock joint frequency and aperture on CERCHAR abrasivity index			A2-02S	Longshore Sediment Transport and Coastal Process around the Bangkalan Coastal Region		
G1-03S	Geophysics Exploration of the Subsurface Structures of Gopura V in the Preah Vihear Temple World Heritage Site Using Seismic Refraction Tomography			E4-06S	Convergent confinement method in designing tunnel support systems at the Pongkor Gold mining, Bogor regency, West Java province, Indonesia			A2-03L	Investigating Geological Influences on River Morphology: A Case Study of the Tambak Bayan River Bend		
G1-04S	Analysis of Reservoir Characteristics of Ngrayong Formation, Sendangharjo Village, Blora District, Blora Regency, Central Java Province			E1-05L	Seawater Intrusion Assessment in Palu Bay, Central Sulawesi, Indonesia			A2-04L	Analyzing the depositional environment of the Mallawa Formation in the Southern Arm of Sulawesi, Indonesia, utilizing palynomorphs to gain valuable insights into the geological history of the region.		
G1-05L	Log Prediction using Multi Resolution Graph-Based Clustering (MRGC) to Evaluate Density and Neutron Log as Main Data for Shale Distribution Analysis							A2-05L	Identification of Depositional Environments Based On the Integration Multi-Attribute Probabilistic Neural Network And Facies Analysis of the Talang Akar Formation, North West Java Basin		
Parallel session (E2 - Earth Sustainability 2) Moderator: Dr. Hendy Setiawan				Parallel session (A3 - Applied Geosciences 3) Moderator: Yan Restu Freski, Ph.D (cand)				Parallel session (G3 - Georesources 3) Moderator: Dr. Esti Handini			
E2-01S	Microzonation of Earthquake Hazard Using Microtremor Data And Multicriteria Analysis in the Sri Gethuk Waterfall Tourism Area and Surroundings, Playen and Dlingo Sub-district, Special Region of Yogyakarta			A3-01S	Stability analysis of the excavation method and support system in the diversion tunnel of the Pasir Kopo Dam, Banten, Indonesia			G3-01S	Jadeite Jade From Karangsambung, Central Java And It'S Mineralogical Characteristics		
E2-02L	Groundwater quality assessment for domestic purposes in Likupang National Tourism Strategic Area (KSPN), Indonesia			A3-02S	Slope Stability Analysis of the Outlet Portal of the Gunung Manggah Tunnel, Samarinda, East Kalimantan			G3-02S	Geochemical Characteristics of Rock Associated with Mineralization in the Biting Area, Badegan District, Ponorogo Regency, East Java, Indonesia: A Preliminary Study for Magmatism Phenomenon in Biting Intrusion Complex of Ponorogo - Indonesia		
E2-03L	Characterization of Thermal Water Resources Quality in Tebing Tinggi			A3-04L	Groundwater Modeling in Open Pit Coal Mining Plans using the Finite Difference Method - Case Study from the Bengalon River Basin (East Kalimantan, Indonesia)			G3-03S	Characteristics of Rare Earth Elements-bearing Apatite of Volcanic Rocks in Rantedoda-Taan, Mamuju, West Sulawesi, Indonesia		
E2-04L	Seismic Hazard Assessment of Bagan – Nyaung U Area, Myanmar: Site Characterization by Microtremor HVSR Analysis and Geological Information			A3-05L	Investigation of Landslide Reactivation In Croatia With A Ring Shear Apparatus			G3-04L	Mineralogy and geochemistry of the karst bauxite deposits of Paranas, Samar, Philippines		
E2-05L	Subsurface Identification of the Continuation of the Palu-Koro Fault Zone in the Palu Segment Using the Electrical Resistivity Method in the Area from Rogo to Bulubete, Sigi, Central Sulawesi			A3-06S	Applied convergent confinement method for designing the tunnel support systems. Case study: Pongkor Gold Mining, Bogor Regency, West Java Province, Indonesia			G3-05S	Preliminary flotation experiments to concentrate lithium-bearing mica from Thailand		
				G4-05L	Geochemistry of Limestone Potential in the Walanae Formation, Selayar Member, Bonto Tiro Area, Bulukumba Regency, South Sulawesi Province			G3-06S	Subsurface Risk in Geothermal Exploration and Development		

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Meeting Room 2	http://ugm.id/ICGoESR2
Multifunction 2	http://ugm.id/ICGoESM2

ICGoES DAY 2 (Friday, 13 September 2024)

Venue: Smart and Green Learning Center (SGLC), Faculty of Engineering, Universitas Gadjah Mada, Yogyakarta

Time (UTC +7)		AUDITORIUM ROOM http://ugm.id/ICGoES2024								<table><tr><th colspan="2">Room</th><th colspan="2">Zoom link</th></tr><tr><td colspan="2">Auditorium</td><td colspan="2">http://ugm.id/ICGoES2024</td></tr><tr><td colspan="2">Meeting Room 1</td><td colspan="2">http://ugm.id/ICGoESR1</td></tr><tr><td colspan="2">Meeting Room 2</td><td colspan="2">http://ugm.id/ICGoESR2</td></tr><tr><td colspan="2">Multifunction 2</td><td colspan="2">http://ugm.id/ICGoESM2</td></tr></table>		Room		Zoom link		Auditorium		http://ugm.id/ICGoES2024		Meeting Room 1		http://ugm.id/ICGoESR1		Meeting Room 2		http://ugm.id/ICGoESR2		Multifunction 2		http://ugm.id/ICGoESM2	
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Multifunction 2		http://ugm.id/ICGoESM2																													
7:30		Room open and preparation																													
8:00		Plenary Session 2: Strengthening the relationship between industry/government and academia in geosciences (Moderator: Dr. Nugroho Imam Setiawan)																													
8:05		Dr. Ir. Hedy Rahadian MSc (Ahli Utama Penata Kelola Jalan dan Jembatan, PUPR)																													
8:50		Johan Arif ST, MSc (GM Exploration J Resources)																													
9:35		Panel Discussion / Q&A Session																													
10:00		Mini Break		MEETING ROOM 1 http://ugm.id/ICGoESR1		MEETING ROOM 2 http://ugm.id/ICGoESR2		MULTIFUNCTION 2 http://ugm.id/ICGoESM2																							
Parallel session (E3 - Earth Sustainability 3) Moderator: Yan Restu Freski, Ph.D (cand)				Parallel session (A4 - Applied Geoscience 4) Moderator: Kartika Palupi Savitri, Ph.D (cand)				Parallel session (G4 - Georesources 4) Moderator: Dr. I Wayan Warmada																							
10:15	E3-01S	Conceptual Model of the Hydrogeological System for Water Sources in the Bali Cultural Center Area and Surroundings		A4-01S	Liquefaction Hazard Map of the Surabaya Region, East Java		G4-01S	Mineralogical and Geochemical Characteristics of Kaolin Profiles: A Study Case at Karangsari Area, Semin Subdistrict, Gunungkidul Regency, Special Region of Yogyakarta, Indonesia																							
10:30	E3-03L	Assessment of Liquefaction Potential using Deep Soil Application at Rendani Airport, Manokwari, Indonesia		A4-02S	Implementation of Machine Learning Methods to Predict the Travel Time of Open-Pit Trucks Based on Fleet Management System		G2-06S	Submarine Canyon Fill As A New Target for Hydrocarbon Exploration In Lariang Basin, Indonesia																							
10:45	E3-04L	One Dimensional Non-Linear Numerical Approach to Liquefaction Analysis on Road Embankment of the Serang-Panimbang Toll Road Section 3		A4-04L	Soil Characterization using integration of Electrical Resistivity and Seismic Refraction Tomography Approaches		G4-03S	Intrusion-related Pb-Zn-Cu-(Au) mineralization at Sassak district, Tana Toraja, South Sulawesi, Indonesia																							
11:00	E3-05L	A Correlation of Liquefaction With Excess Pore Water Pressure Using Simplified Procedure And Finite Element Pm4Sand Model		A4-05L	Geochemical Analysis of Gypsum In Minhla Township, Magway Region																										
11:15																															
11:30	Lunch Break & Prayer																														
Parallel session (A5 - Applied Geoscience 5) Moderator: Dr. Akmaluddin				Parallel session (G5 - Georesources 5) Moderator: Dr. A. Dewi Titisari				Parallel session (E4 - Earth Sustainability 4) Moderator: Dr. Hendy Setiawan																							
13:00	A5-01S	Mixed siliciclastic-carbonate marine system of Banggai Sula Micro-continental margin; a case study from Poh Formation in Pagimana Area, Pagimana, Luwuk, Central Sulawesi.		G5-02S	Characteristics of Clay Minerals and Their Effect on Ni Enrichment in Laterite Deposits of Pomalaa Area, Southeast Sulawesi, Indonesia		E4-01S	The Association of Potential Acid Forming (PAF) with Depositional Environments: A case study of PT Kaltim Prima Coal, Sangatta, East Kalimantan.																							
13:15	A5-02S	Unravelling Depositional Mechanisms and Diagenetic Processes of Thick Marls: Detailed Petrographic Study into Kalibeng Formation, Kendeng Zone, Indonesia		G5-03L	Identification of Nickel Laterite Distribution Based on Satellite Gravity and Coring Data: A Case Study in Morowali Regency, Central Sulawesi, Indonesia		E4-02S	The effects of ultraviolet irradiation treatment on the surface properties of microplastics																							
13:30	A5-03S	Orbital-climate control on deep-sea sedimentation of the Halang Formation: A case study of the Bantarujeg Section, Majalengka-West Java		G5-04S	Mineralogical Characteristics Aof Regional Metamorphic Rocks In Jiwo Hills, Bayat, Klaten, Central Java		E4-03L	Effect of scratching length on CERCHAR abrasivity index of soft to hard rocks																							
13:45	A5-04S	Facies Analysis and Thin Section Observation to Determine Lithological Properties of Deep-Water Deposits of Kerek Formation, Jabungan Area, Semarang: Reservoir Prospectivity in Western Kendeng		G5-05S	Textural Analysis and Crystal Size Distribution of Various Petrological at Dieng Volcanic Complex: Interpretation of Crystallization and Magmatic Process		E4-04L	Effect of bedding plane on CERCHAR abrasivity index of soft to medium-hard rocks																							
14:00	A5-05L	Analysis of Forest Canopy Density in Lubuklinggau, Indonesia		G5-06L	Improved delineation of deformation features within the Manila Trench forearc region using edge detection filters in gravity data		E2-06S	Characteristics And Location of the Sinistral Strike-Slip Fault In the Cipeles Segment As the Cause of the Sumedang Earthquakes																							
14:15	A5-06S	Preliminary Assessment of The Groundwater System in Pajangan Hill as A Non-Groundwater Basin Area		G6-06S	Hydrothermal Alteration Style of Gold Mineralization-bearing Ultramafic Hostrocks in Meratus Ophiolite Complex, South Kalimantan, Indonesia																										
14:30	Mini Break																														
14:45	Closing Ceremony																														
15:00	Best Presenter announcement																														
15:30	Geoweeek 2024 Awarding																														
15:45	Closing Remarks																														
16:00	Closing of Day 2																														

ICGoES Poster Session

G6-01P	Hydrothermal Alteration and Ore Mineralization of the Kluwih Prospect, East Java, Indonesia	G6-04P	Evaluation of Reservoir Properties of Eemoiko Limestone in Menui Sub-Basin, South-East Arm Sulawesi, Indonesia	A6-01P	Pretreatment of double refractory gold ores by the mixed microbial culture including acidophilic heterotroph prior to cyanidation
G6-03P	Hydrothermal Alteration and Mineralization of Sulfosalt and Sulfide Massive Vein in Kluwih Prospect, East Java, Indonesia	G6-05P	Dominant Frequency Analysis And Quality Factors Estimation Using Centroid Frequency-Shift Method as Reference Data On "Skye" Field Vibroseismic Oil Recovery Process	A6-02P	The factors of nickel concentration in the nickel Laterite Deposits of the Zambales, Philippines
				A6-03P	Quaternary Lithology Units Surrounding the Pithecanthropus Erectus Excavation Site at Trinil, East Java, Indonesia