

Modern Carbonate **FIELDTRIP**

Discover the Best Analogue of the Carbonate System in Indonesia

LOCATION Pulau Payung, Kepulauan Seribu, Jakarta	DATES 27-28 August 2024
A FIELDTRIP GUIDED BY Rizky Sekti Carbonate Stratigrapher at Petronas	
REGISTRATION FEE IPA Individual Member: IDR7,500k+11%VAT Non-IPA Individual Member: IDR9,900k+11%VAT Include: transport, accommodation, F&B, field gears, documentation, and first aid Exclude: Medical Check-Up and Basic Sea Survival <i>We encourage Participants to apply as IPA Individual Member to get benefit for registration cost.</i>	

SUMMARY

Develop your expertise in carbonates and embrace new perspectives! Join us for a 2-day fieldtrip exploring advanced insights into carbonate sedimentary processes, stratigraphy, and early diagenesis through the examination of the modern carbonates system in Pulau Seribu, Indonesia. Through field observations and in-depth discussions, participants will gain valuable concepts applicable to the characterization of subsurface carbonate reservoirs.

FIELDTRIP DESCRIPTION AND OBJECTIVES

1. **Depositional Processes Understanding:** Gain insights into carbonate depositional processes through field observations of sedimentary facies, depositional geometries, and stratigraphic architectures.
2. **Reservoir Heterogeneity Assessment:** Quantify and predict reservoir heterogeneity by analyzing spatial distribution of facies, diagenetic alterations, and fluid flow patterns in analogous modern environments.
3. **Geological Model Calibration:** Essential for calibrating reservoir architecture and fluid flow dynamics to improve model accuracy.
4. **Carbon Capture Sequestration (CCS) Insights:** Gain valuable perspectives for evaluating CCS projects in carbonate reservoirs through field observations.



WHO SHOULD ATTEND

This course is meant for Geologist, Geophysicist, Petrophysics, and Engineers in Indonesia who would like to develop a thorough understanding of carbonate reservoir system.

WHY YOU SHOULD ATTEND

Carbonate reservoirs are characterized by complex depositional environments and diagenetic processes. Through fieldwork, lectures, and hands-on exercise, participants will gain a comprehensive understanding of carbonate reservoir system and its relevance to subsurface geological interpretation.

FIELDTRIP ITINERARY

Stop 1: Traverse the eastern island section, including reef flat and windward platform margin.

Stop 2: Traverse the platform interior (lagoon), reef flat/sand shoals, and reef margin; observe platform geometry, lithofacies variability, energy level, early diagenesis, and reservoir heterogeneity.

Stop 3: Traverse the western island section, focusing on the leeward platform margin.

Wrap-up exercise and discussion:

- Modern carbonate satellite image exercise: application to the ancient rock subsurface reservoir.
- Subsurface case study exercise.

ABOUT THE INSTRUCTORS



Rizky Sekti currently is a **Carbonate Stratigrapher at Petronas**. He Earned a Master's degree in Carbonate Sedimentology from the University of Miami, Florida, USA, and a Bachelor's degree in Geology from Padjadjaran University, Indonesia. Over 17 years of experience in the oil & gas industry with ExxonMobil, CGG Robertson, and Petronas. He Expertise in carbonate sedimentology and reservoir characterization, with extensive experience in exploration, development, and production projects across diverse basins and carbonate assets (SE Asia, Brazil, Angola, America, and the Middle East). Recent experience in Carbon Capture Sequestration (CCS) project in offshore Gulf of Mexico, and Offshore Sarawak.

HOW TO REGISTER

1. Please email to : anna.sulistiyarningsih@ipa.or.id or send WA to +62813-1010-6595
2. Complete the form through the link as required: <https://forms.gle/AHJxrcmTTLYrr19f6>

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