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GEOSCIENTISTS &
ENGINEERS



First EAGE/SBGf Workshop on Reservoir Monitoring and its Role in the Energy Transition

21-22 NOVEMBER 2022 • RIO DE JANEIRO, BRAZIL & ONLINE

- **First Announcement**

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WORKSHOP OVERVIEW

As Dr Ganesh Thakur stated it in his 20th World Petroleum Congress paper, “reservoir management [...] relies on the use of financial, technological, and human resources to maximize the economic recovery of hydrocarbons from a reservoir, while minimizing capital investments and operating expenses” (Thakur, 2011). In this context, reservoir monitoring – a central piece to reservoir management, has to embrace and be embraced by multidisciplinary teams rather than being part of a sequential approach through the life of an asset. Interestingly, reservoir management is just as applicable to hydrocarbon reservoirs than it is to large scale storage – be it of CO₂, hydrogen, natural gas, etc.

The workshop will gather experts from reservoir monitoring, field management, and associated technologies to present and discuss the value of information provided by monitoring, current practices in operating companies, success stories and failures, economic and practical blockers, and will try to bridge the too-often existing gap between these different disciplines by demonstrating how they all fit together as a whole in the context of reservoir management. Further to this broad multidisciplinary endeavor, we hope to familiarize the audience with technologies that are critical to reservoir monitoring, from the well-centric scale to the larger



reservoir scale, including in-well surveillance, 4D seismic monitoring, geomechanics, and data assimilation, both presently deployed and emerging new trends. Energy transition pertinent to the Brazilian context will also be discussed in light of current practices from the oilfield.

Since that future event is expected to take place in the Brazilian offshore context, we expect to focus the workshop around deepwater reservoir monitoring.

LOCATION

This event will take place in the city of Rio de Janeiro, Brazil. One of the main economic centers of cultural and financial resources, the second city with the production industry and headquarters of the most important Brazilian companies in the oil sector.

We welcome you to the wonderful city, located at the east of the country, the beauties of the capital Fluminense reward the imagination of tourists, giving them from its beaches, surrounded by squares and samba, its unique mix between city and nature, to the Corcovado, with the maximum view of the city and its horizon to the sea where the imposing oil platforms are symbol of the development and technology of the sector.



“The event will offer new fundamental and practical insights into the Reservoir Monitoring and its role in the Energy Transition.”



TOPICS

The Technical Committee invites practitioners, innovators and industry experts to contribute to this workshop and share their achievements and challenges, lay out big innovative ideas and seek new alliances to jointly develop a road for the future.

Contributors are welcome to submit abstracts of 2-4 pages in length. Submission for posters & oral presentations is welcome on all topics. Professionals, Bachelor, Master or PhD students are invited to share their work.

Abstracts should be submitted via the EAGE website using the downloadable template.

The deadline for abstract submission is 25 July 2022.

Please submit abstracts on the following topics:

1. What is reservoir monitoring today businesswise?

- The visible importance of monitoring.
- The value of information it provides.
- The economics of monitoring, operators.
- The Brazilian business and regulatory context.

2. From well-centric to field scale monitoring. Conventional to advanced technologies.

- In/out flow, reservoir engineering classical tools.
- Monitoring with permanent fibers DAS, DTS, DSS.
- PRMs Technology and value overview.
- OBCs, OBNs: technology & value overview.

3. How do we integrate monitoring information?

- Integrating multi-scale, multi-physics measurements in a reservoir focused model.
- ML data-driven vs physics-based approaches.
- 4D, geomechanics and Overburden Characterization.
- Towards “responsible reservoir management” & digitalization in reservoir monitoring.

4. What is the role of Reservoir Monitoring in the Energy Transition?

- MMV in Reservoir: Monitoring of carbon sequestration in offshore/ deep offshore reservoirs shares most technologies, methods and similar HSE objectives as monitoring of producing offshore reservoirs. Modulated by the different physics of the fluids (HC gas versus CO₂ or H₂) and their rock-fluid interactions. Energy Transition, by working on advanced field monitoring technologies.
- Gas exploitation
- Hydrogen storage
- Carbon Capture, Usage and Storage (CCUS)

IMPORTANT DATES

Call for Papers Deadline	25 July 2022
Early Registration Deadline	1st October 2022
EAGE/SBGf Workshop	21-22 November 2022

SPONSORING

The First EAGE/SBGf Workshop on Reservoir Monitoring and its Role in the Energy Transition offers excellent sponsorship opportunities giving your brand high visibility with the ability to reach a large and targeted audience. For more information about sponsorship, please refer to the Sponsor Guide on the event website or contact us at corporaterelations@eage.org

CONTACT

The First EAGE/SBGf Workshop on Reservoir Monitoring and its Role in the Energy Transition is organized by the EAGE Latin America Office. For enquiries please contact by email mrz@eage.org For upto-date information visit: <https://eage.eventsair.com/first-eagesbgf-workshop-on-reservoir-monitoring/>.



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