

## DigXSubsurface – Call for abstracts

*A major technological shift is underway in the subsurface geoscience community, transforming the way we collaborate, work, store, utilize, and analyze vast amounts of data.*

DigXSubsurface 2025 is the premier conference for the geoscience community and its digital ecosystem, working with the digitalization of the subsurface.

At DigXSubsurface, the community comes together to showcase how leading organizations, and innovative projects harness digital technologies to unlock new opportunities and deepen subsurface understanding through integrated data, systems, and workflows.

The DigXSubsurface conference spans the entire subsurface value chain, including exploration, production, IOR, well planning, reservoir characterization, next-generation field development, data management, and digital twins. Traditionally siloed, these disciplines are now converging into integrated systems and workflows, driven by digital advancements.

The community is well aware that digitalization may enable more efficient exploration, next-generation subsurface workflows, better well placement, and safe drilling.

New digital tools and integrated systems boost subsurface understanding, enhancing NCS competitiveness through innovation and collaboration. Yet, these advancements bring new complexities requiring planning and expertise.

Furthermore, digitalization is more than just data and technology. It involves a comprehensive transformation process, workflows, mindset, and cultural changes.

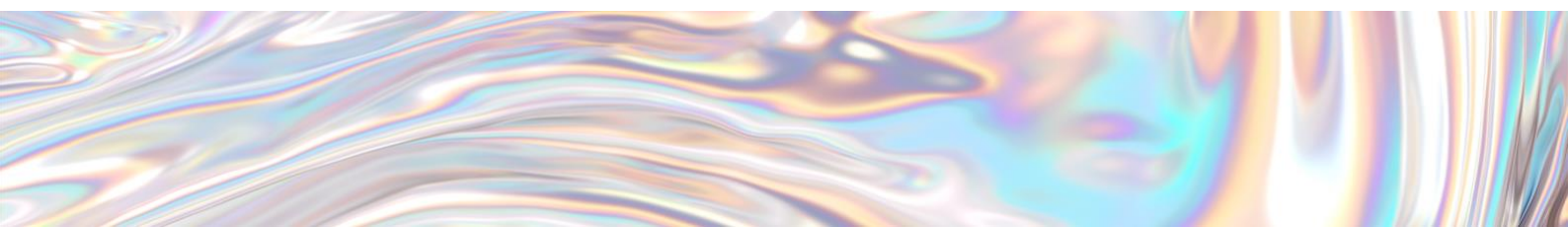
At DigXSubsurface 2025, we will illuminate the vision for a digital future and the strategies to achieve it. How do we make new technologies accessible to users? How do we ensure transparency to build trust in digital processes? Will smaller players be able to compete with the larger companies in implementing digital solutions?

We are eager to explore how data and digitalization drive value creation and how to cultivate a culture among subsurface professionals to fully embrace digital advancements.

We invite the digital subsurface ecosystem of energy companies, technology providers, data managers, authorities, research and educational institutions, data scientists, and digitalization professionals to submit abstracts to the Dig X Subsurface in October 2025 covering the following topics:

### **Next-generation subsurface workflows**

- Transformative exploration and production workflows
- Digitized and automated well-planning and design domain
- Digital efforts to increase oil recovery and extend field lives
- Next-generation field development and digital twins
- Software automatization tool for use cases like processing, rock physics, reservoir characterization, petrophysics, and inversion
- Explainable AI
- Subsurface ensembles, their analyses, and the new ways of ensemble-based decisions



**Generative AI and large language models (LLMs)**

- Unlocking hidden information in unstructured E&P reports
- Demonstrations of use cases and lessons learned
- AI platforms, applications, and tools
- Integration of unstructured and structured data

**Data at your fingertips**

- Data management and digital tools
- Multi-disciplinary well-data integration systems
- Easy and portable data accessibility, user-friendly interfaces
- Automated workflows for technical E&P data readily and portable available

**OSDU and Digital Architecture**

- OSDU data platform and interoperability – use cases on wellbore, seismic domain data management services (DDMS), and reservoir
- Lessons learned with OSDU architecture: tenants, partitions, DDMS, etc.
- Innovations in a complex digital landscape and evolving OSDU
- OSDU schemas development and Open Group Consortium experiences

We especially encourage sharing lessons learned and use cases presented by vendors and client companies together, and we welcome academia and research institutions to submit abstracts presenting their R&D projects, particularly PhD presentations.

***Abstract deadline: 29 August 2025***

