

IN THE PIPELINE



OVERVIEW

Decision making in the OSDU Forum

In August 2019, the OSDU Focal Points approved the adoption of a new OSDU Governance structure. The OSDU Management Committee (OMC) and Project Management Committee (PMC) balance an agile approach to decision making and broad representation across the OSDU Forum.

FUTURE OF FOCAL POINTS

In this model **OSDU Focal Points** continue to provide vision, set goals and define industry scope of the OSDU Forum. Each member company has one focal point and one vote. Focal points approve major OSDU standards proposals, vote for approval to create new standards committees (with clearly defined, non-overlapping scope to define these standards: Currently: Enterprise Architecture, Data Definition and Information Security), and will appoint and oversee the OSDU Management Committee (OMC) to execute and deliver the Vision and Goals of the OSDU Forum.

OMC, PMC, AND SUBCOMMITTEES

OMC, PMC, and OSDU Subcommittee Leads actively collaborate to ensure alignment on standards while maintaining autonomy on releases:

The OMC acts as the executive arm empowered to deliver the vision, goals and scope of the OSDU Forum.

- Seeks active input from the Forum Subcommittees in terms of standards, definitions, direction.
- Sets overall direction for PMC and validates standards adhered to.
- Oversees and steers (where needed) the PMC and the OSDU Standards Subcommittees.
- OMC is accountable for Certification material to be evergreened.

The PMC delivers software that always meets the current OSDU Standards

- Provides Project Management for all Software projects to assure coherency for each release.
- All technical issues including complete decision making and approval of all OSDU releases that do not impact the Standard.
- Works with the OSDU Standards Committees and OMC for releases reflecting a change in the Standard (Major). **These releases will be subject to approval by the OSDU Focal Points.**
- Creation of new projects with clearly defined scope with OMC approval.
- Adopt an agile approach; the PMC shall define "sprints" driven by release schedule.

OSDU subcommittees, project teams continue to define & deliver the standards the PMC adhere to.

For more information about [the new Governance structure](#) please contact any OMC member.

The Fall Open Subsurface Data Universe™ (OSDU) F2F was a great success and it was wonderful to see so many members in attendance and sharing their ideas to drive the OSDU data platform forward.

This edition of In the Pipeline focuses on some of the topics and question areas that were surfaced during our F2F discussions.

1. Decision making in the OSDU Forum: Focal Points, OMC, PMC, and Subcommittee roles.
2. F2F Highlights from Subcommittee leads.
3. Delivering Seismic in OSDU R2, what does it mean?

F2F Highlights

The OSDU F2F was a 4 day, jam-packed event. Together we worked, strategized, brainstormed, and planned for the future of the OSDU Forum. We had over 304 attendees from 86 different companies registered, and 45 speakers with 125 different presentations. Below are some highlights from our subcommittee leads.

ENTERPRISE ARCHITECTURE

EA subcommittee was busy kicking off **new project teams for High Performance Computing and Reporting and Visualization** to demonstrate the value of the OSDU platform. And the **OSDU Marketplace project team** presented its initial draft ideas for publicizing the services and technologies available and certified for linking other data sources to the OSDU data platform. – **Johan Krebbers (Shell)**

DATA DEFINITIONS

Another successful F2F forum where the data definitions team continued to progress the work of the OSDU Forum, but also the cohesiveness and effectiveness of the Forum participates from the wide array of member companies. Kudos especially to Alex Narayanan from Schlumberger for his efforts in bringing together the concepts of OpenDES and OSDU! – **James Pipe (Chevron)**

INFORMATION SECURITY

The IS subcommittee dedicated 2 half-day sessions to reconnect, review, and plan for next releases. Keth Iren Braut (Equinor) reviewed R1 authentication & authorization decisions and progress. Kerry Blinston (CGG) reviewed R1 data entitlements design. Hrvoje Markovic (Schlumberger) guided us through the OpenDES entitlements design, highlighting friction points with R1. We will now focus on reconciling these design differences for the coming releases. – **John Zollinger (Shell)**



Release 2 introduces a Seismic shift in data

The OSDU Release 2 expands scope and functionality to include seismic data. Combined with the previous release, the data platform gives users fast and easy access to the basic well and seismic data that drive essential subsurface workflows. A seismic shift indeed!



BEHIND BLUWARE'S DECISION TO OPEN SOURCE THE OPENVDS SEISMIC FORMAT

Bluware spent more than 100 man-years developing the core technology behind Volume Data Store (VDS). Going forward, we know that we will need an active technical community to ensure the success of this data format. Our decision to open-source and contribute OpenVDS to OSDU provides a unique opportunity to shift the industry behind the most efficient and cost-effective way to store and use seismic data. This technology is fully backward compatible with existing systems and will power the future of machine learning. It's an ideal match with OSDU and we look forward to collaborating to develop other valuable solutions beyond OpenVDS for our clients and stakeholders.

OSDU RELEASE 2 WORKFLOW INTRODUCTION FOR SEISMIC DATA

We are excited about OSDU Release 2 because this release introduces seismic data workflows to the OSDU data platform. The Seismic Data Definitions team's long term vision is to: **enable any entitled user, from anywhere in the organization, the ability to efficiently discover and access seismic data from single point.** Here we want to answer the question: **what can I do with Release 2?**

OSDU Release 2 capabilities will allow you to load your standard 3D SEG-Y trace data sets, survey information, and P6/P11 bin grid data. Once loaded, you'll rapidly access your 3D seismic data with cloud-optimized access using OpenVDS format. You can quickly find your seismic data sets with enhanced metadata searches, and can view your seismic traces with horizon and fault interpretations. You will be able to extract seismic amplitudes along your well path using time-to-depth velocity conversion and extract seismic amplitudes between two horizons for use with ML workflows and deep analysis for new insights. Finally, if you need to export this data back to other applications, you'll be able to easily extract this data and export it in standard SEG-Y format.

For more detailed information connect with Doug Gregory and the Seismic Data Definitions subcommittee