

IN THE PIPELINE



OVERVIEW

A key to the current and future success of the OSDU™ Data Platform is to utilize recognized industry standards and expand those into critical areas of our business. This edition of *In The Pipeline* also highlights the steps we are taking to expand the OSDU Data Platform to include the Reservoir domain, and what that means for our users going forward.

1. **Energistics Standards Accelerate Progress**
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ENERGISTICS STANDARDS ACCELERATE PROGRESS

The OSDU™ Forum set out to leverage existing standards as a foundational precept to accelerate delivery of the OSDU Data Platform and maximize the many years of industry expertise embodied in standards. This article introduces the new Energistics Integration team and its goals.

ENERGISTICS CONTRIBUTES IMPORTANT OSDU DATA PLATFORM FUNCTIONALITY

Energistics was one of the first non-operator organizations invited to join the OSDU Forum in late 2018, underlining the stated intent of the OSDU Forum to leverage industry standards. As part of the R3 planning, the OSDU OMC approved the establishment of the [Energistics Integration workstream](#) focused on identifying opportunities to leverage, adopt and, implement existing Energistics standards. This will deliver an immediate acceleration of capabilities and promote the use of strongly established industry standards. The OSDU Forum and its initiatives have become a key focus of the Energistics team in 2020, involving nearly all the staff in our small team.

The Energistics community is pleased that the OSDU R3 Data Platform will include ingestion and delivery of WITSML™ standard-format files, a related JSON style guide, and an R2 manifest generator for WITSML standard-format files.

Through the OSDU Forum, the Energistics Integration team proposed a Reservoir DDMS capability, together with related reservoir data definitions, to be incorporated into the platform. This project will leverage the Energistics' RESQML™ standard with delivery anticipated post-R3. Deliverables will include RESQML parsers, the Reservoir DDMS, plus ingestion pipelines and more. Energistics' Units of Measurement and standard reference values are also included in this activity.

The OSDU Forum is also looking forward to expansion into the Production domain using another key Energistics industry data standard, PRODML™.

Requirements for enhancements to the existing Energistics standards that arise from the OSDU Forum initiatives will be channeled back to the Energistics Special Interest Groups (SIGs) to ensure that the standards evolve as needed to meet both the current and future needs of the OSDU Data Platform.

GET INVOLVED

The OSDU Forum's Energistics Integration project now has bi-weekly meetings of the workstream alternating with meetings dedicated to the Reservoir Initiative. We welcome contributions from member organizations, including subject matter experts, developers, architects and documentation specialists. For more information about the Energistics Integration team, contact Jay Hollingsworth in the [#2_6_1_energistics](#) Slack channel. For more information on the Reservoir DDMS project, contact Jana Schey (Energistics), Alice Chanvin (Emerson) or Marcus Apel (Equinor) in the [#6_1_reservoir_ddms](#) Slack channel.

R2 DEVELOPER BOOTCAMP REVIEW

The OSDU™ R2 Data Platform was recently released for OSDU Forum Members who want to start getting familiar with the technology and how to develop on it. To that end, the App Development team has put together a hands-on-training bootcamp for developers who want to experience the OSDU Data Platform first hand.

THIS TRAINING COVERS

This training is a mix of lectures and hands-on labs to help developers learn how to use the OSDU data platform for building applications. We will focus on basics such as how to register your application with a cloud provider, use OpenID Connect to make OSDU API calls, find various resources using search (including well and seismic data), and also fetch raw files and process them in your application. We will use Postman to explore these APIs and also Python and React to understand how we can build a complete application that uses the OSDU data platform. Finally, we will practice packaging these applications for the cloud.

NEXT OPPORTUNITY TO ATTEND

- The second run of this 4 four half-day virtual training bootcamp will take place **June 15-18**
- A third session is being planned. Watch for a registration link when dates are finalized
- The registration fee is \$500 per participant, with a limit of 50 participants

SURVEY RESULTS FROM FIRST TRAINING

How satisfied were you with the bootcamp?

- Day 1: 80.17%
- Day 2: 79.81%

How relevant and helpful was this training for your job?

- Day 1: 81%
- Day 2: 79.81%

How satisfied were you with the logistics?

- Email Communication: 95.19%
- WebEx: 80.77%
- Lessons: 85.42%
- Labs: 82.69%
- Instructors: 94.23%



MEMBER SPOTLIGHT: EMERSON

Emerson has a long history of industry collaboration and embracing standards (e.g. The Open Group Process Automation™ Forum (O-PAS™ Standard) and Energistics' RESQML). Emerson pioneered the use of standards to facilitate seamless data transfer for multidisciplinary integrated reservoir studies. To continue promoting implementation and adoption of open standards across the E&P subsurface landscape, Emerson joined the OSDU Forum in November 2018.



Somesh Singh
Chief Product
Officer, Emerson
E&P Software



"By joining and contributing to the OSDU initiative, we have taken another step toward giving our users the advantage of rapid innovation and a digitally streamlined working environment well positioned for the future of the oil and gas industry."

EMERSON'S COMMITMENTS TO THE OSDU FORUM

"Emerson has long been a recognized leader in the oil and gas industry, with extensive knowledge and experience in the reservoir domain," said Phillip Jong, OSDU Forum Chair and Manager of Data Foundation Design at Shell Global Solutions. "That expertise fosters our innovation efforts to help the industry operate in a truly open working environment and enhances our ability to deploy emerging digital solutions for faster and more effective decision-making."

Emerson will be highly involved in the Reservoir initiative by contributing its expertise to define and develop the Reservoir DDMS project that leverages industry data standards such as Energistics' RESQML™ (#6 1 reservoir ddms). Emerson will also lead the Reservoir Data Definition sub-committee. For more information, contact **Alice Chanvin** in the #2 1 3 reservoir Slack channel.

In addition, Emerson will connect its entire software portfolio to the OSDU Data Platform and make its cloud environment connect to the OSDU platform. This gives oil and gas operators the ability to move data quickly and seamlessly to and from the OSDU Data Platform while enabling transformational cross-discipline multi-vendor workflows. Emerson's industry-leading Geolog™ formation evaluation software suite is already connected to the OSDU Data Platform Release 1, with additional solutions to be added in the future. For more information, visit our [website](#), click [here](#) to read the latest announcement, email us at osdu@emerson.com.