

A word from the President & CEO

The upstream oil and gas industry has suffered an unimaginable double body-blow – first, due to the economic impact of the Coronavirus pandemic, and then the collapse of oil prices to levels never experienced in recent decades. In this environment, Digital Transformation takes on a new urgency in the continued drive towards higher efficiencies and a proper use of existing data to reduce risk and improve the ROI of existing assets. For 30 years, Energistics has been at the heart of industry efforts to standardize the transaction of data, a need that will never go away, be it exchanges between partners, between cloud instances, between real-time sources and consumers or the many other ways data is the lifeblood of modern upstream operations. Our efforts have never ceased, and have continued unabated through downturns and boom times, counting on the tireless contributions of our many members that ensure that our offering is aligned with the needs of all stakeholders.



Keep safe!

Ross Philo

Open for Business

We are in the midst of a deep crisis affecting so many aspects of our lives, our industry and the companies with which we work. Energistics has operated in a predominantly online mode for years, holding most of our regular technical and organizational meetings using web conferencing, allowing us to more efficiently leverage the skills and contributions of experts from our global membership. Like so many of you, our staff and our global community are now working from home, and this has not affected the shared on-going work towards our collective goals.

You can join our organization, participate in work groups and communicate with us at any time. We welcome any opportunity to interact with you, contact us at info@energistics.org

UPCOMING EVENTS

Many events are being re-scheduled or cancelled, please consult each event's website for updates.

[AAPG ACE](#)

Houston, June 8-10

The annual conference brings together E&P professionals to be updated on the latest technologies. Philip Neri will be presenting a paper and also taking part in a panel session.

[2020 URTeC](#)

WITSML ILAB, SIG March 31 - April 3 2020

These meetings initially were scheduled to be hosted by AkerBP in Stavanger, but due to the Covid-19 situation they were converted to virtual meetings with abbreviated schedules to accommodate multiple time zones. Meeting highlights include:

- ETP v1.2 testing shows good progress towards a release later this year. No major issues were found but some new capabilities have been added which will extend the testing period through July.
- An updated Practical Well Log Standard (PWLS) will be out for review in the near future. The latest version covers 4 major product lines: MWD/LWD, mudlog, drilling, and wireline.
- Two companies showcased how they are using WITSML™. A small group of companies led by [Bardasz](#) is collaborating together and using WITSML in new ways to deliver data for realtime rig

Austin, July 20-22
URTeC 2020 looks to push the boundaries on the latest science and technology applied to unconventional resources, with special emphasis on integration of the multiple disciplines.

[SPE Fiber Optic Sensing](#)

San Diego, Aug 31- Sept 2
This workshop covers in-well fiber-optic sensing, from initial development optimization through life-of-field operations and abandonment.

SPE and EAGE Extended Abstracts

2019 was an active year for Energistics, presenting over 20 papers at numerous industry association conferences and workshops. Here are some extended abstracts or manuscripts:

[OnePetro](#) - SPE

(fees may apply)

> 194080-MS

Relocate Monitoring Tasks
Ashore with Advanced Data
Streaming and Data
Assurance

> 2019-320-MS URTeC
Bulk Data Sharing Process
Improves Collaboration and
Saves Time While
Increasing Trust in Data
Accuracy

> 29713-MS OTC

Improving Emergency
Response with Better and
Faster Remote Monitoring

[EarthDoc](#) - EAGE

(fees may apply)

> 10.3997/2214-4609

.201900771

Complex Multi-Disciplinary
Subsurface Workflows are
More Accessible with Cloud
and Efficient Data Exchange
Processes

and surveillance. Then, in a very innovative approach, [Exebenus](#) is using WITSML to digitize standard operating procedures on the rig, improving accuracy, efficiency and safe operating practices.

- The technical team is working on a JSON representation of WITSML to support Open Subsurface Data Universe (OSDU) objectives.
- The Business Team is focused on how WITSML may enable analytics applications and the feasibility of a reference implementation to help developers/users.

Contact us for [more information](#) on WITSML activities.

RESQML ILAB April 6-9 2020

This meeting was scheduled to be hosted by Eni in Milan, but also was changed to a virtual meeting, allowing participation of members from many countries, all working from home. Highlights of this meeting include:

- Discussion of two tools enabling RESQML™ development and implementation: RESQML Web Studio (Geosiris) offers conversions between RESQML v2.0.1 and 2.2 (under development); and, FESAPI (F2I-Consulting) enabling development in several languages (more about this later).
- Planning progressed for a simulation data deck pilot which will officially kick off on April 29th. One notable feature of this pilot is that it will utilize data from drilling, production and reservoir domains, showcasing an integrated family of standards.
- Review of a Reservoir Domain Initiative proposed to OSDU which originated with Emerson and has the backing of Energistics' RESQML community. This project will be led by Energistics RESQML members under the umbrella of OSDU. More to come soon.

Contact us for [more information](#) on RESQML activities.

FESAPI: Simplifying the Deployment of Energistics Data Transfer Standards

FESAPI is an open source, high-level software development tool kit with the purpose of making it easier to implement Energistics standards into software, in multiple programming languages. Briefly, FESAPI reads the industry-defined standard Energistics data transfer formats—specified as XML schemas—and converts them into classes in C++, C# and Java, with Python in development. When programmers use FESAPI classes, they do not have to write this code themselves. Using FESAPI classes also ensures consistency in the interpretation and implementation of the standards. FESAPI developer [F2I-Consulting](#) has partnered with Energistics to offer the FESAPI Initiative which allows funding members to provide prioritized direction for continued FESAPI development (i.e. to determine which Energistics standards functionality will be added to FESAPI). Originally developed for RESQML, FESAPI is gradually expanding to support WITSML, PRODML and ETP standards under the guiding hand of our members.

A [white paper](#) is available on our website in [US-Letter](#) and [A4](#) formats.

January 2020

110 downloads (656 items)

February 2020

96 downloads (485 items)

March 2020

84 downloads (407 items)

Energistics Contributes to OSDU

Since joining the Open Subsurface Data Universe (OSDU) Forum in October 2018, Energistics – both as an organization and as a member community – has been fully committed to this industry initiative which puts data at the center of all activities and operations. Energistics standards – including WITSML, PRODML and RESQML – are foundational to OSDU. In addition to use of the standards, we are also contributing technical elements (manifest, parsers, code) as well as the combined intellectual capital from our community of experts and the expertise of our staff in key areas like documentation, enterprise architecture, data definitions, and project management. This initiative also is an excellent example of collaboration between standards bodies (Energistics and The Open Group which hosts OSDU Forum) for the benefit of the industry at-large.

Contact us for [more information](#) on our OSDU activity.

New members

Energistics would like to welcome these new members to the consortium:



Department of Petroleum Resources

The Unit kept records on matters relating to exploration, and importation of petroleum products. It also enforced safety and other regulations on matters which were then mostly products importation and distribution. As the activities of the petroleum industry expanded, the Unit was upgraded to a Petroleum Division within the Ministry of Mines and Power.

<http://www.dpr.gov.ng>



Engineerix Group

The Engineerix Group is an outsourcer to select Governments, Multinational and Energy Concerns currently operating in the NA, LATAM, EMEA and APAC Regions. The Engineerix Group provides Evolutionary Design, Development and Outsourced Services to its clients.

<http://www.engineerix.net/>



PetroViser

We are an independent Russian oil and gas services company. One of our services is a drilling data monitoring and management software, including a WITSML server.

<http://www.petroviser.ru>



SmarTest Algeria

An Algerian software company developing and offering WITSML-based technologies to the national industry.



Upstream Digital Transformation
Conference Europe

LONDON | MAY 27-28



DATA DRIVEN DRILLING & PRODUCTION CONFERENCE
6TH ANNUAL FOCUSED CONFERENCE & EXHIBITION
A REUTERS EVENT
16-17 JUNE 2020, ROYAL SONESTA HOTEL, HOUSTON

Event Partners

*The dates on partner logos
may no longer be valid.*



Energistics is a global, nonprofit, membership organization that serves as the facilitator, custodian and advocate for the development and adoption of open technical data exchange standards in the upstream oil and gas industry. It is uniquely designed to unite upstream industry professionals in a neutral and collaborative facilitation environment.

Energistics members include integrated, independent and national oil companies, oilfield service companies, software vendors, system integrators, regulatory agencies and the global standards user community.

Questions? Comments? Contact Philip Neri at philip.neri@energistics.org

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