

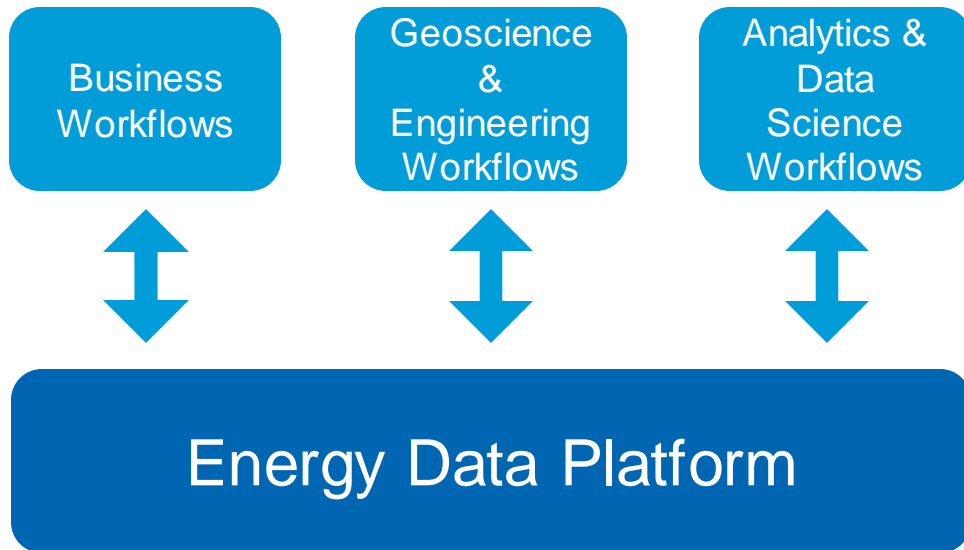
Innovation with an Open-Source Industry Foundation

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Unlocking value from data

The OSDU™ Data Platform & Chevron's Triple Crown Partnership



Industry Ecosystem

230+ member companies building an open-source data platform together



Sustainable Innovation

Enables lower cost innovation for our industry by building on open platforms



Get more in the cloud

Combines significant reductions in the cost of storing energy data with an order of magnitude improvement in performance



Leading technology delivery

Leverages our industry leading Triple Crown Partnership to commercialize and scale

Chevron's vision for data access & insights at scale



Intuitive & user-friendly

Data discovery and access will be an intuitive, user-friendly experience



Accessible

We will embrace minimum viable governance

This means – at a minimum – ensuring data are identifiable, discoverable, and consumable



Presented in context

Structured and unstructured data lives together, consumed on-demand with relevant context

High quality scientific & engineering data...

- We've been operating in this space for decades
- **Data management tools are optimized for "human-scale" processes**
- **Application-driven silos make combining data assets challenging, even on a small scale**
- Significant amounts of **context are embedded in the people** (outside of data set, invisible to the machine)
- **Data assets are scattered** (files, databases, data lakes...)

...maintained & presented with relevant context...

- Continue to **shift our thinking and design to ensure relevant context is "machine-readable"**
- Machine-readable **data relationships are equally as important as data values** for automating decision making
- **Tools and processes for data management increasingly need to be optimized for "machine-scale"** (e.g., exception-based & composable)

...delivers insights & automation at scale

- Aiming point is a place where **most decision processes are driven by software** (automated) or are at the least heavily "machine-augmented"
- **Shift from "making the decisions" to "designing the decision-making software"**
- Data assets are **designed to be consumed primarily by other automated processes** (i.e., programmatically)
- Scalable **"AI factory" is the foundation for data-centered decision making**

Time

Embracing “product thinking” for data sets

Data products create value for the consumer

Teams are leveraging a product management approach to create useful data sets with the consumer in mind. This goes beyond just exposing the data to ensuring it is packaged with the right context for the consumer.



Data Flow

Deliver data management and data flow solutions to accelerate teams with common ingestion patterns

Deliver a cognitive search engine for subsurface practitioners that simplifies searching across knowledge sites & the OSDU™ data platform



Seismic

Provide rapid access to all available, trusted seismic data to perform globally integrated interpretation, accurate imaging, and data analytics

Data products include proprietary data sets, subscription data, master data, and ancillary data



Well & Wellbore

Provide reliable and trusted well & wellbore lifecycle data from permit to plug & abandon. Increase the accessibility of this data to drive insights.

Data products include well headers and wellbores, wellbore markers, logs, and wellbore directional surveys.



Rock & Fluids

Deliver Rock & Fluids data that is reliable, trusted, and intuitive to search, retrieve, and visualize.

Data products include Rockapedia, Rock Class, and Rock Junction. Rockapedia contains core analysis data types: Mineralogy, routine core analysis, special core analysis, core photos, etc.



Production & Reservoir Performance

Reduce cycle time for subsurface workflows by making simulation & surveillance data easily accessible.

Data products include lab analysis, field tests, and surveillance data.

Data Services in DELFI

Partnering to accelerate value

Replacing complex legacy data flows during the global deployment of the DELFI Petrotechnical Suite

Retiring legacy data management systems to reduce support burden and cost

Exposing high-quality petrotechnical data sets to enable composable workflows, data analytics, and data science



Data Mgmt. Applications & Workflows

Providing data management capability for the OSDU™ Data Platform

Data Mastering Services

Aggregation of multiple legacy data sources to surface the 'best' information

Application Data Stores

Platform-aware data stores enable data liberation and composable workflows





**“If you want to go fast, go alone.
If you want to go far, go together...”**

-African Proverb