

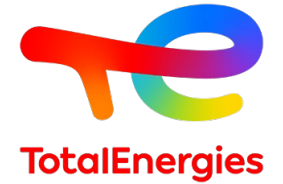
Knowledge Graph Alliance Launching event

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Some possible use cases for KG



1. Data Exposure / Liberation: How can KG make PPDM model even more precise and to extend it to more Data Domains.
2. Data Governance / Business Objects: Add ODI mapping (through TSF) to further disambiguate and prepare for ontology-based interoperability
3. Governance of reference data in complex master data systems like Digital Twins and ERP systems.
4. Data Quality: automated reasoning based on formalized business rules. Detecting of inconsistencies and errors.
5. AI / ML: use KG as input for AI and ML tools.



W3C Workshop on Semantic Web in Oil & Gas Industry: Report

Workshop organized by the [World Wide Web Consortium \(W3C\)](#) and hosted by [Chevron](#)
Houston, TX, USA, 9–10 December, 2008

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Current State: So What's New?



- Time: Need to incorporate real time data
- Productivity: Significant amount of time (30-70%) is spent looking for and assessing the quality of the data found
- Trust of what data you find:
 - Do we understand of the meaning of data
 - Lack of consistent data definitions
 - Multitude of systems create their "own versions of the truth"
- Impact: Need to share data with other team members, offsite experts, partners, with regulators and landlords
- Perspective: Need a broader look as asset performance (not just wells or reservoir or processing equipment)

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