

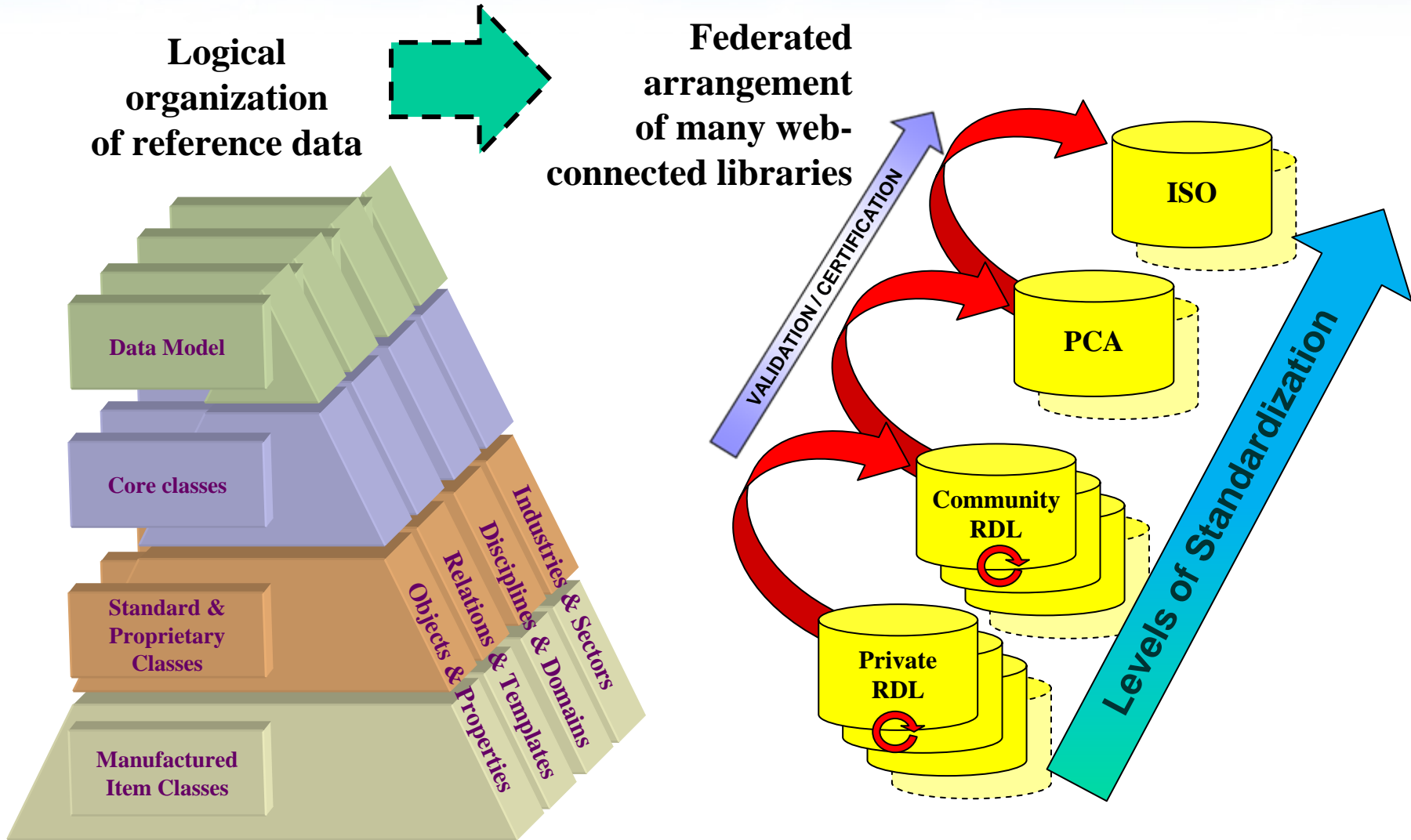
Standards overview

ISO 15926 and PCA RDL

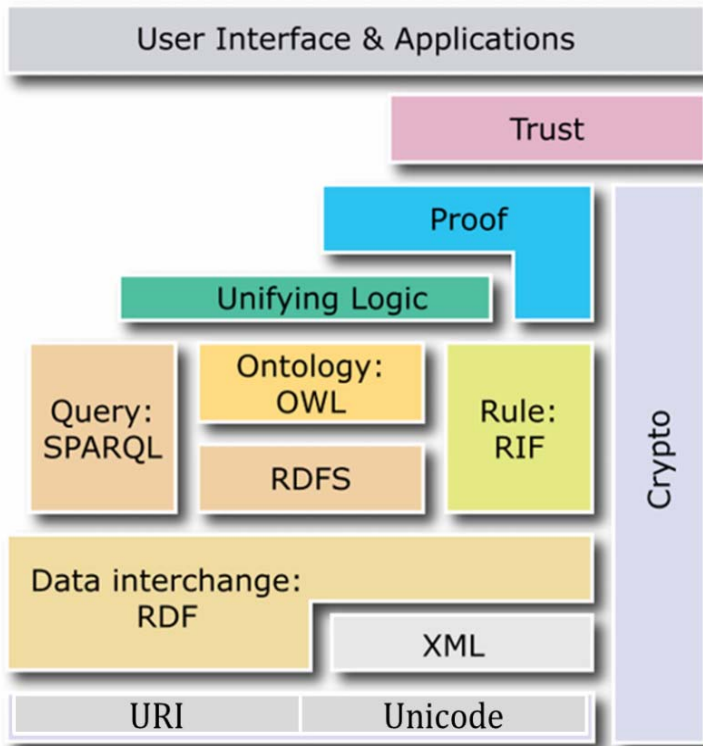
Joint PCA-MIMOSA Owners / Operators Forum
Houston, 21 March 2013

Nils Sandsmark

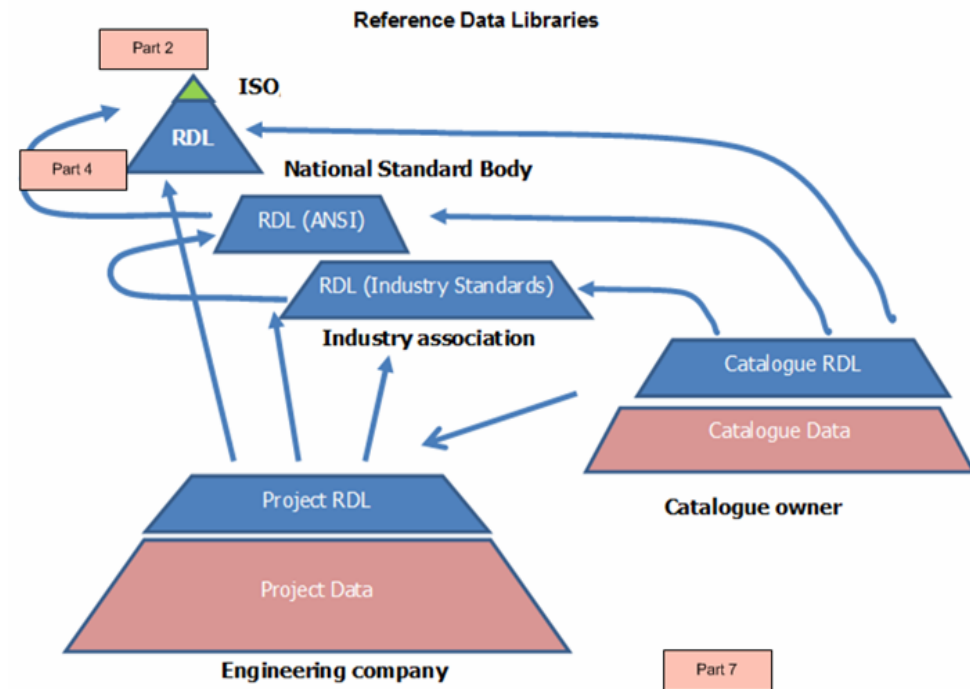
The iRING Reference data architecture



The semantic technology stack



ISO 15926



Summary - ISO 15926

- ISO 15926 and the PCA ISO 15926 RDL are implemented:
 - Used for information handover since 1996/1997 (ETAP, BP & Shell and Åsgard, Statoil)
 - Used in more than 100 capital projects
 - Large implementation projects in 2011-2013 (Bechtel, other EPCs EPIM, etc.)
 - Used for Integrated Operations since 2006 (Tyrihans (Statoil), Daily Drilling Reports, Daily and Monthly Production Reports, Norwegian Continental Shelf)
 - Used for integration between operations & maintenance and engineering since 2011 (OGI pilot)
- Enhancements and improvements are necessary
 - JORD – We need more participants
 - Continuous improvements of the RDL through project and SIGs
- Participation and co-operation is necessary in order to accelerate the work
 - OGI pilot
 - Standards Leadership Council

Standards Leadership Council - Members



Organization	Senior Executive	Comments
Energistics	Jerry Hubbard	
MIMOSA	Alan T. Johnston	
The Open Geospatial Consortium (OGC)	Mark Reichardt	
International Association of Oil & Gas Producers (OGP)		Observer
OPC Foundation	Thomas Burke	
PIDX International	Anthony Aiming	
The Pipeline Open Data Standard Association (PODS)	Janet Sinclair	
POSC Caesar Association	Nils Sandsmark	
Professional Petroleum Data Management Association (PPDM)	Trudy Curtis	
Troika International	Jill Lewis	
W3C	Frank Chum (Chevron)	Observer

Standards Leadership Council (SLC)



Objectives:

- Identify areas of intersection to avoid creating duplicate or conflicting standards
- Identify opportunities for synergy, so we can build on our successes together.
- Better deliver the value proposition message for standards implementation
- Ensure maximum member benefits through participation in standards organizations

Established:

- February 24, 2012 in Houston

Meetings in the SLC:

- In 2012 three meetings have been held, two in Houston and one in Oslo
- In 2013 one meeting have been held in London. One face-to-face meeting and two web meetings planned.

Conferences:

- A one day conference was held in Houston on June 28, 2012 and in London February 26, 2013

Projects

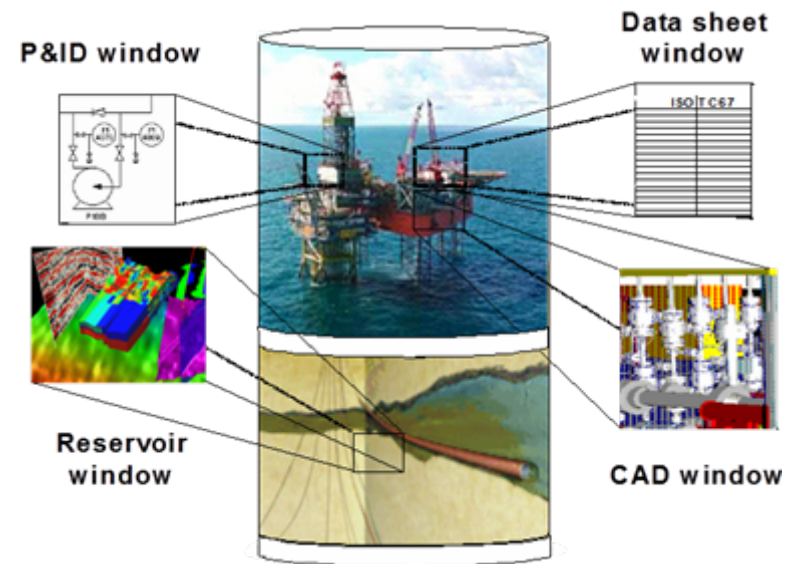
- About 10 joint projects in progress or planned

More information: <http://www.oilandgasstandards.org/>

POSC Caesar Association (PCA)

- PCA is a global, **not-for-profit**, independent **member organization** developing, enhancing, and promoting methodology, content and solutions for **data interoperability** with special focus on **ISO 15926** and **W3C recommendations**
- PCA has 35 members in 12 countries on 5 continents
- PCA arranges forums and member meetings every year in:
 - Asia/Australia
 - Europe/Africa
 - America
- PCA was established in 1997

The vision of ISO 15926 data interoperability and life cycle



Focus areas have evolved so far:

1. Handover EPC - OO (1993+)
2. Integrated operations (2004+)
3. Operations & maintenance (2008+)
4. Integration between engineering and O & M (2010+)