

THTH Spring Webinar 2020

18th May 2020

General instructions

- By default all participants are muted
- Questions and comments after the presentations
 - You can write Questions during presentations
 - You can ask to speak by Raising your Hand
- The presentation material will be shared later
 - https://www.ththry.org/activities/Spring_Seminar_2020/
 - The webinar will be recorded

Agenda

- 13:00 Opening, Teppo Kainulainen, Neste
- 13:05 Spring webinar agenda and a brief THTH activity review, Arto Marttinen, THTH
- 13:20 READI - Shaping the future of digital requirements and information flow in the oil and gas value chain, Erik Østby, DNV GL
- 14:00 Collaborative design-build-operate ecosystem, Antti Lukkari, ABB
- 14:30 Break
- 14:40 Using DEXPI in investment projects, Timo Syrjänen, AFRY
- 15:10 BIM – Better Information Management, Steven Williams, Aveva
- 15:40 Nordic interoperability cooperation review – Nils Sandsmark/PCA, Erik Molin/SEIIA, Arto Marttinen/THTH
- 16:20 Closing

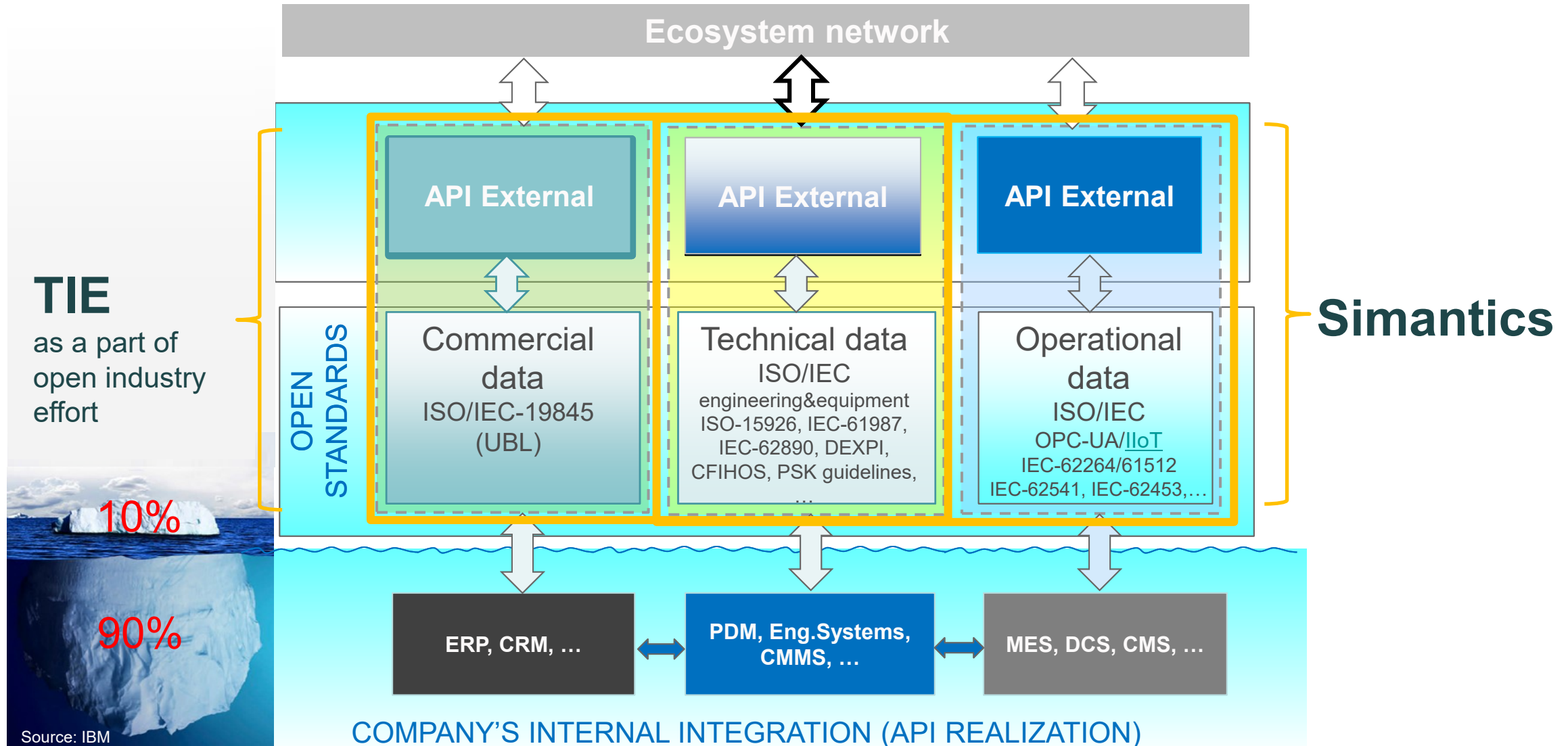
lifecycle of technical information

THTH briefly

- THTH is a nonprofit association supporting the development of distributed plant information management during the whole life cycle of industrial assets from investments projects to operation and maintenance
- THTH initiates and coordinates R&D projects and arranges seminars and training
- Started from technical information exchange 2006 (PRINDEX, ..., ORCHID, ...)
- Targets national and international standardization networks and collaboration
 - PSK, METSTA, SSG, SEIIA, PCA, DEXPI, USPI, MIMOSA, CFIHOS, IDS, ...
- **THTH Simantics division** develop and maintain open source code applications for modeling and simulation and for environmental lifecycle assessment and footprint calculations via its
 - SIMANTICS, Eclipse Public License EPL
 - SULCA Sustainability tool for Ecodesign, Footprints & LCA
- **THTH TIE** project is growing into a division



Open networks are based on standards



THTH main activities

- Simantics division (according to the annual plan of the Simantics Board)
 - Simantics to be a development and runtime platform for **Digital Twin**
 - Platform can connect and deploy models from different sources
 - Better user-interfaces either via Simantics Simupedia tool or from different applications
- TIE project (11/2019 – 10/2021)
 - Metsä Board, Stora Enso, UPM, Andritz, ABB, Sulzer Pumps, Metso Flow Control, Finnish Automation Foundation, Business Finland
 - Targeting to a permanent THTH division after the project
- Enhancing national standardization efforts in digitalization via PSK and METSTA
- Participating international standardization efforts together with partners
 - On Nordic level with SEIA and PCA
 - On international interest group level with USPI, DEXPI, MIMOSA, MRAIL,...
 - On international standardization level via ISO/TC 184