

THTH Autumn webinar 2022

16.11.2022 via Teams

Some instructions

- The webinar will be recorded
- The presentation materials and the recording will be shared after the webinar
- Please, preferably use the Teams chat button to ask questions
- Please, keep your microphone muted and unmute it only when you want ask or answer a question
- [Autumn Webinar 16.11.2022 | THTH \(ththry.org\)](https://ththry.org)

Agenda

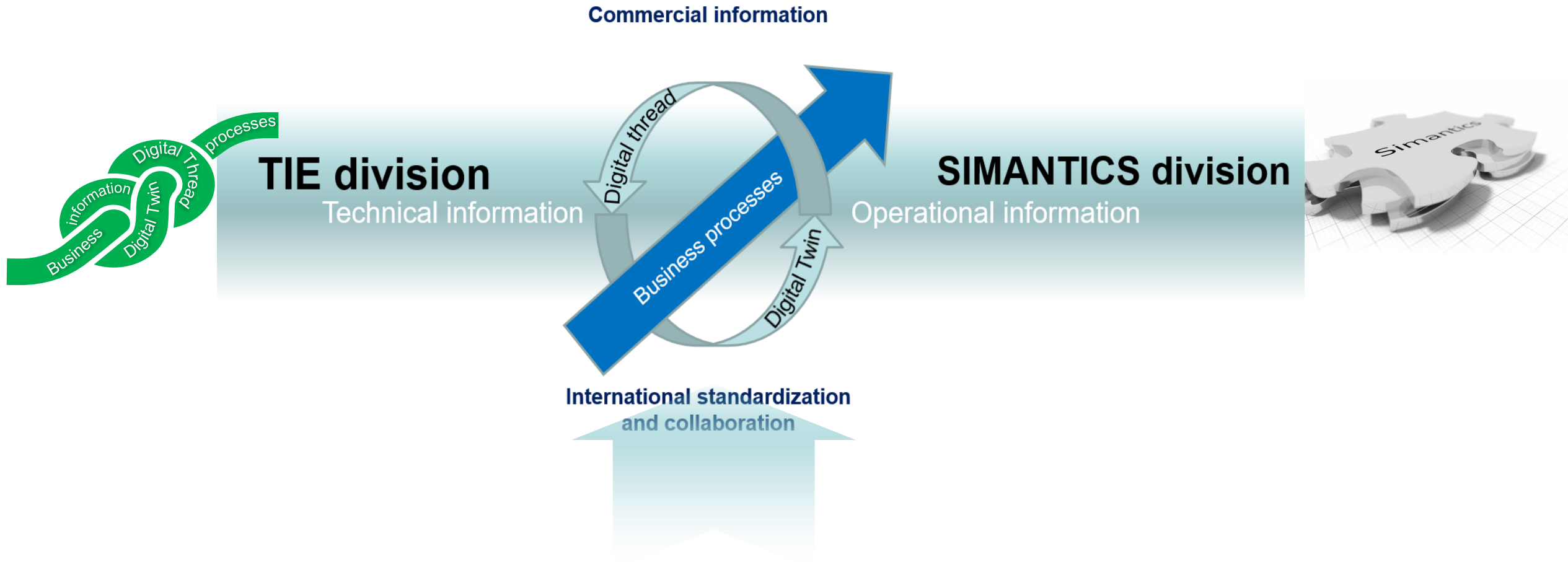
- 13:00 Opening – Leena Hannonen, THTH Chair of the Board, Sweco Oy
- 13:05 THTH status review, Arto Marttinen/THTH
- 13:20 How to use the CFIHOS Data Model in real Projects/Assets, Jason Roberts, Shell
- 13:50 Towards SEED Forest ecosystem – Sustainability in the core, Pasi Valkokari, VTT
- 14:20 Break
- 14:30 DEXPI+ – extension of the P&ID specification including BFD and PFD, Gregor Tolksdorf, Evonik
- 15:00 Operationalizing industry standards through an information exchange platform, Dag Pettersen, Sharecat
- 15:30 Data exchange through TIE, Bent S Lund, Equinor
- 16:00 Evaluation of international standards, Michael Wiedau, Evonik
- 16:30 Closing

THTH briefly

- Non-profit industry association in Finland
- Currently about 35 member companies ([see members and partners](#))
- Process industry supply-chain collaboration forum to promote digitalisation and digital-twin
- [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
 - Simantics System Dynamics tools ([Sysdyn](#))
- [TIE division](#)
 - Promote and develop digitalization in projects and O&M based on existing standards
 - Based on the preceding TIE-project (11/2019 – 2/2022)
 - National and international standardization networks and collaboration (key partners SEIIA/Sweden, PCA/Norway, DEXPI/Germany, USPI/Netherlands, MIMOSA/USA, CFIHOS/IOGP and on national level PSK, METSTA, SESKO)
 - EU KDT funded Arrowhead PVN project under preparation – planned start at the end 2022



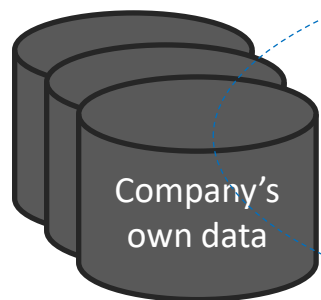
THTH vision



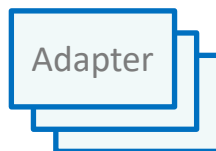
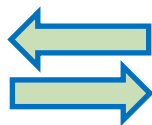
Future THTH TIE scope in EU KDT

Arrowhead PVN project plan Q2/2023 – Q1/2026 for
~50 organizations, 5 industry segments, 12 countries

Enterprise scope



Direct back-end systems integrations



External network interface

Open Internet

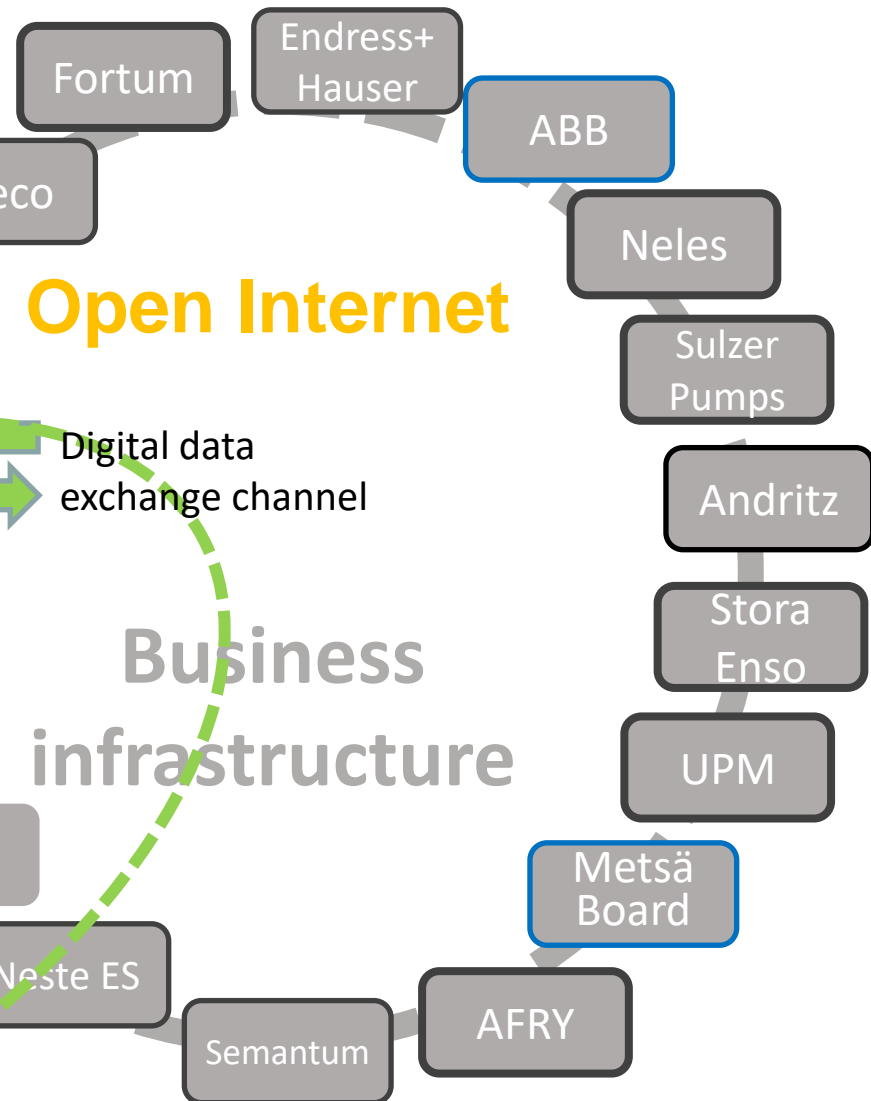
Digital data exchange channel

Business infrastructure

Standardization infrastructure

Specifications, templates, instructions, rules and principles

International standardization

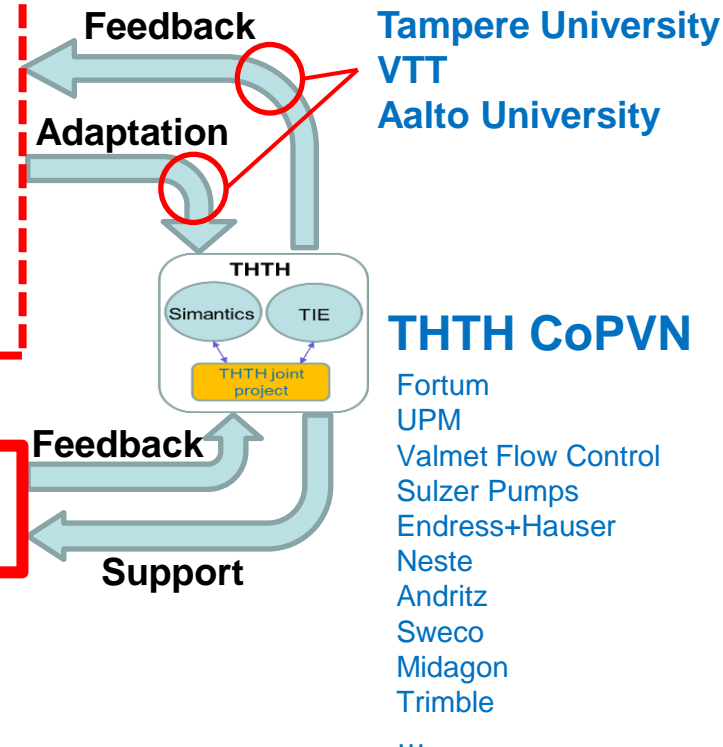


Finnish/Swedish contribution in EU project plan

Arrowhead fPVN and THTH contribution in it

W P	Title	Proposed WP-Leader	MS
1	State of the art and requirements	Paulo Azzoni, Eurotech	IT
11	Exploitation & Dissemination	Miren Illarramendi*, Mondragon	ES
10	Digital Transformation Management	Håkan Kårdén, Eurostep Johnny Sundström, Stora Enso (co-lead)	SE
3	Major Digital Languages	Robert Skaar, Equinor Hans Ehm, Infineon (co-lead)	NO
2	Micro-Services	Pal Varga*, BME Hans Forsberg, Bnearit	HU
4	Translations	Jerker Delsing *, LTU	SE
8	Sustainable <i>Energy</i> PVN Pilots	David Cameron*, University of Oslo Leif Stormer, Aibel (co-lead)	NO
9	<i>Process</i> Industrial PVN Pilots	David Hästbacka*, Univ. Tampere Johnny Sundström, Stora Enso (co-lead) Oscar Carlsson, Midroc (co-lead)	FI
6	<i>Automotive</i> PVN Pilots	Peter Priller*, AVL Marlene Denk, BMW (co-lead) Philippe Gougeon, Valeo (co-lead)	AT
7	<i>Aerospace</i> PVN Pilots	Alberto Bianchi*, Leonardo Miren Illarramendi*, Mondragon (co-lead)	IT
5	<i>Semiconductor</i> PVN Pilots	Gerhard Schneider*, Infineon Dresden Javad Ghofrani, University of Lübeck (co-lead) Mladen Berekovic, University of Lübeck (co-lead)	DE
12	Management	Pär-Erik Martinsson, LTU	SE

Stora Enso, AFRY, Semantum from Finland



★) = National Coordinator

THTH ry 2021

Association of Decentralized Information Management for Industry THTH ry

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THANKS