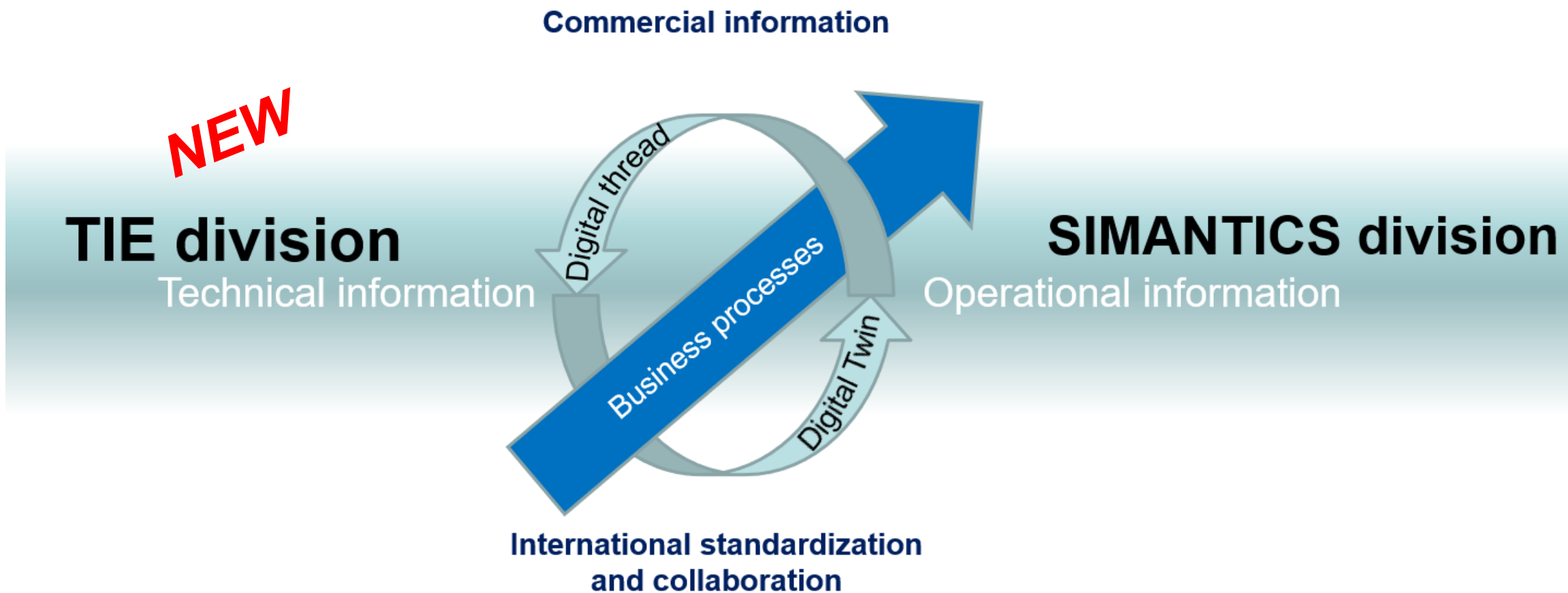# THTH Spring webinar 2021

28.5.2021 via Teams

Some instructions

- The webinar will be recorded

- The presentation materials and the recording will be shared after webinar

- Please, preferably use the Teams chat button to ask questions

- Please, keep you microphone muted and unmute it only when you want ask or answer a question

- https://www.ththry.org/activities/Spring_Seminar_2021

Agenda

9:00   Opening – Leena Hannonen, THTH Chair of the Board, Sweco Oy

9:05   Agenda, THTH status review, Arto Marttinen/THTH

9:20   Experiences from Stora Enso DEXPI pilot, Johnny Sundström/Stora Enso Sweden, Janne Juujärvi/Symetri Sweden, Timo Syrjänen/AFRY Finland

9:50   Technical Information Exchange needs in simulation aided equipment dimensioning and energy efficient selection, Antti Lukkari/ABB, Jouni Savolainen/Semantum

10:20   Break

10:30   CFIHOS – future targets, Peter Townson/IOGP/CFIHOS

11:00   International standards to support process industry digitalization – common view, Heiner Temmen/DEXPI/Germany

11:30   Future development projects preparation, David Hästbacka/Tampere University, and European level Production Value Network Interoperability project preparation, Pär Erik Martinsson/LTU/Sweden

12:00   Nordic collaboration - SEIIA, PCA and THTH, Erik Molin/SEIIA/Sweden, Nils Sandsmark/PCA/Norway, Arto Marttinen

12:30   Closing

THTH review

THTH

NEW

Commercial information

TIE division
Technical information

Digital thread

Business processes

Digital Twin

SIMANTICS division
Operational information
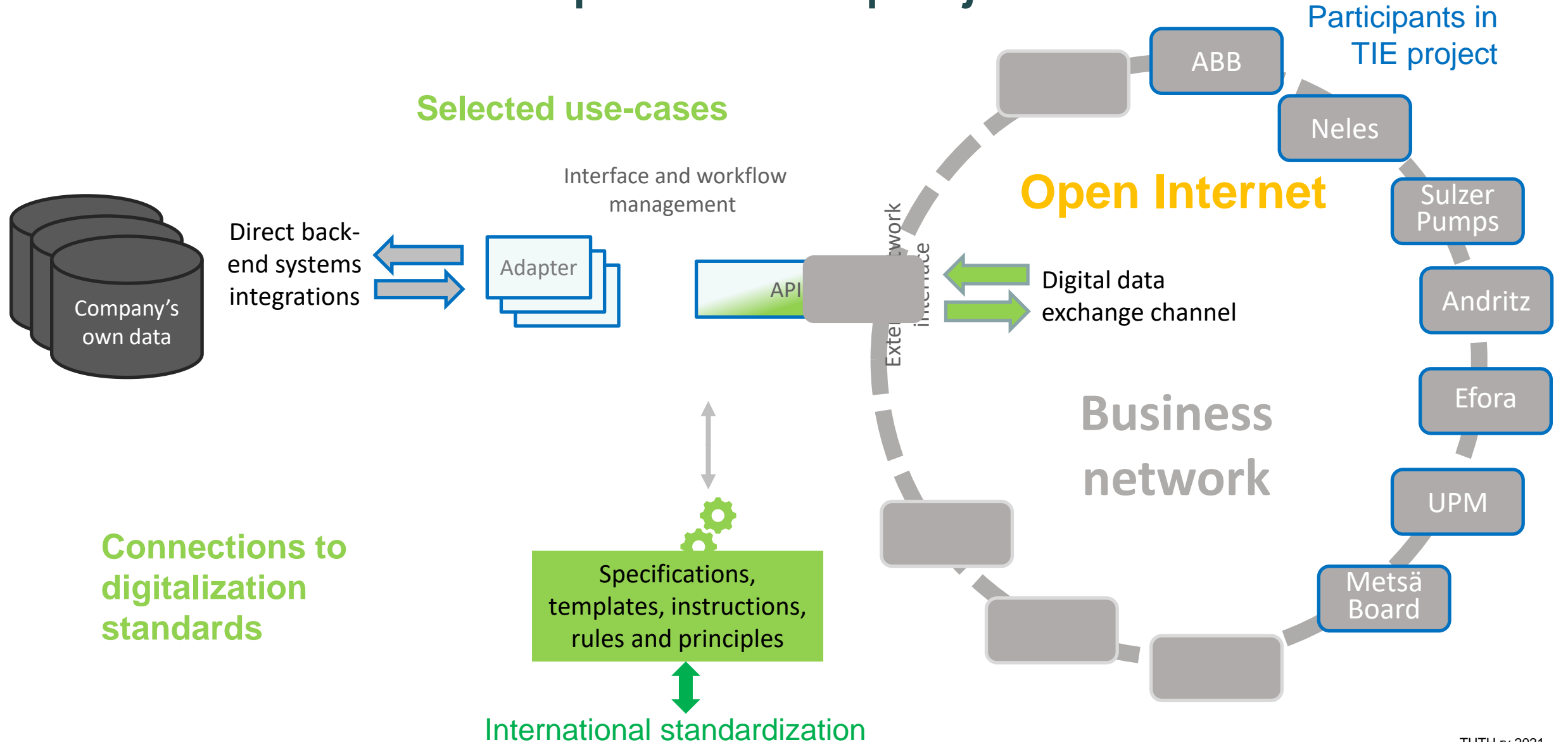
**International standardization
and collaboration**
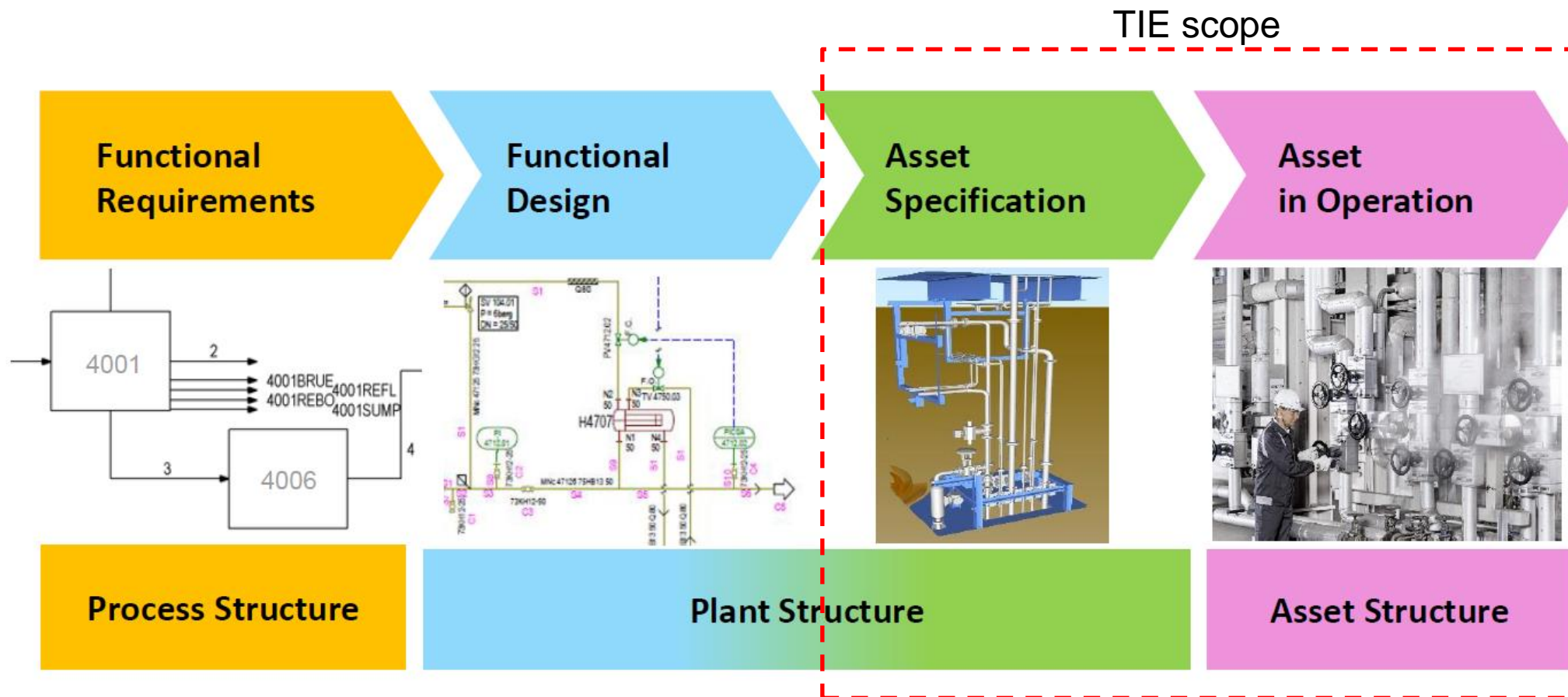
TIE project in brief

- THTH TIE started 11/2019 and will end 2/2022 (new end time)
- Targeting to define/pilot digitalization in projects and O&M based on existing standards
- How to digitalize Technical Information Exchange workflows in
  - Investment projects (equipment procurement)?
  - Spare-parts item management?
  - Replacement equipment services?
  - Energy consumption optimization?

  Companies selected use-cases

- How to connect to standardization?
  - National and international standardization networks and collaboration
  - What standards are needed and how to use them?

Scope of TIE project

Selected use-cases

Participants in TIE project

Interface and workflow management

Open Internet

Direct back-end systems integrations

Company's own data

Adapter

API

External network interface

Digital data exchange channel

Business network

ABB

Neles

Sulzer Pumps

Andritz

Efora

UPM

Metsä Board

Connections to digitalization standards

Specifications, templates, instructions, rules and principles

International standardization

The scope of TIE project

The asset lifecycle model (DEXPI)

Source: Heiner Temmen, DEXPI

The new TIE division

- New TIE division has been established – starting 2022 – preparations on-going

- Continuation to TIE project

- Part of the international network

- Mission: Secure digital infrastructure for exchanging technical and business information between companies by bringing global standards and best international practices into companies interfaces
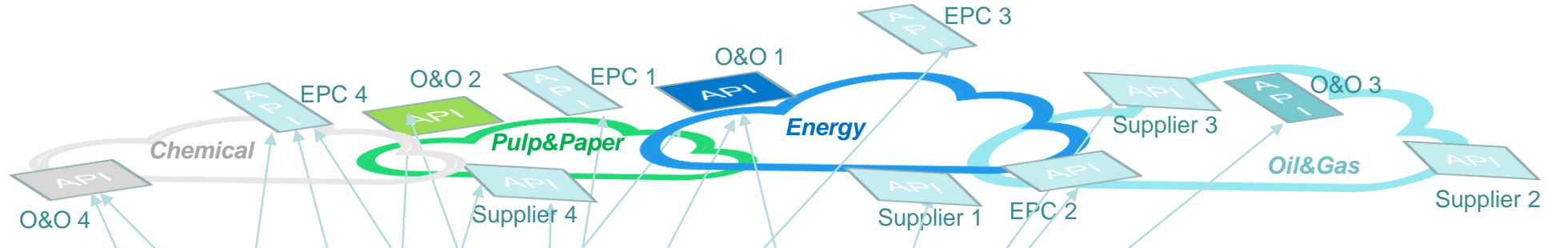

Company B

Company A

Company C

TIE

Global standards

Process industry networks

Enterprise networks within industry clusters

Industry clusters can be regional, industry segment or interest group specific, …

Cluster managers

Common cluster efforts

Global standardization

THTH ry 2021

Association of Decentralized Information Management for Industry THTH ry