PCDS
PRODUCT CIRCULARITY
DATA SHEET

Webinar

Update on scaling up the PCDS

07/12/2021

THE GOVERNMENT
OF THE GRAND DUCHY OF LUXEMBOURG
Ministry of the Economy

IMPAKT
LUXEMBOURG

Webinar information

Slides will be shared

Interactive session

Mute your microphone during presentation

Session recorded

Webinar hosts/speakers

Deputy Director
Sustainable Technologies
@ Ministry of the Economy

Thibaut Wautelet
Jeannot Schroeder
Douglas Mulhall
Anne-Christine Ayed

Agenda

1.	Where we stand today and next milestones	15 min
2.	ISO 59040 – PCDS - Circular Economy	10min
3.	New governance creation	5min

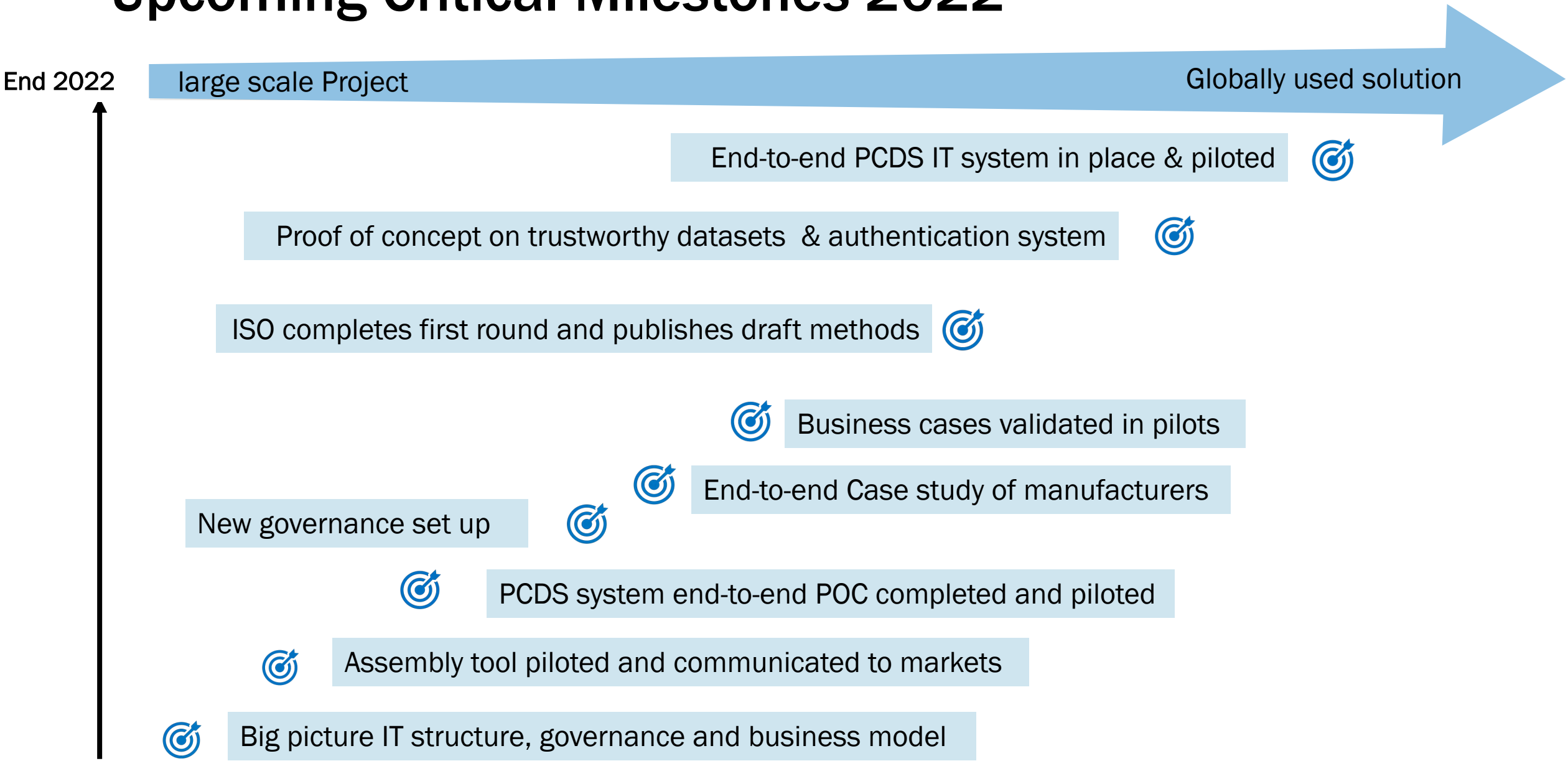
Q&A session

4.	Progress on scaling up the PCDS and PCDS Assembly	20 min
5.	IT architecture	10min
6.	Actions	5min

Q&A session

2018 – 2021 Achieved Milestones

Upcoming Critical Milestones 2022



ISO/AWI 59040
Circular Economy — Product Circularity Data Sheet

- **Status**
  - Elaboration 1st working draft
  - Planned call for contributions during Dec 21 -Jan 22 timeframe
- **Strategy & output** - discussion on framework and toolbox
  - Clause 6: Governance for managing PCDS
  - Clause 7: Establishing and maintaining a PCDS template
  - Clause 8: Managing a PCDS
- **Audit** will be based on a dual system of :
  - PCDS Process audit (ISO 17065)
  - PCDS sample Validation (ISO 17029)
- **Timeline**
  - 01/2022 Next plenary meeting of TC323/WG5
  - 04/2022 Committee Internal Balloting (CIB) Vote
  - 2024 Official norm release

Update on new governance

- **Governance role**
  - manage the PCDS system
  - create open ecosystem around the ISO norm
  - develop a first commercial viable solution (data templates and IT exchange protocols)

- Audit scheme to be developed by external players

- **Legal entity analysis under way to identify best adapted structure(s)**

Agenda

1.	Where we stand today and next milestones	15 min	Jeannot S.
2.	ISO 59040 – PCDS - Circular Economy	10min	Jerome P.
3.	NGO creation	5min	Jerome P.

Q&A session

4.	Progress on scaling up the PCDS and PCDS Assembly	20 min	Thibaut W. & Jeannot S.
5.	IT architecture	10min	Douglas M.
6.	Actions	5min	Thibaut W.

Q&A session

Progress on scaling up the PCDS

1. Communication efforts in Q3 & Q4 2021
   - 06/09 Cobuilder with construction manufacturers & stakeholders
   - 13/09 GS1 Industry & Standards Event
   - 19/10 GS1 Regional Forum
   - Digital Supply Chains in Built Environment (DSCiBE)
   - 22/10 Sustainable Information Transfer by Plastics Europe
   - 04/11 Federation of Canadian Municipalities

Progress on scaling up the PCDS

2. Actively implementing the PCDS on a large scale through collaborations

➢Platforms and pilot projects

toxnot PBC

DBU Deutsche Bundesstiftung Umwelt

circular.fashion

Government of the Netherlands

MADASTER

pranke

GTS GLOBAL TEXTILE SCHEME

SML BRANDING. TECHNOLOGY. SOLUTIONS.

EPEA Nederland

OLYMP

➢Application to EU Project Calls

Digital Product Passport

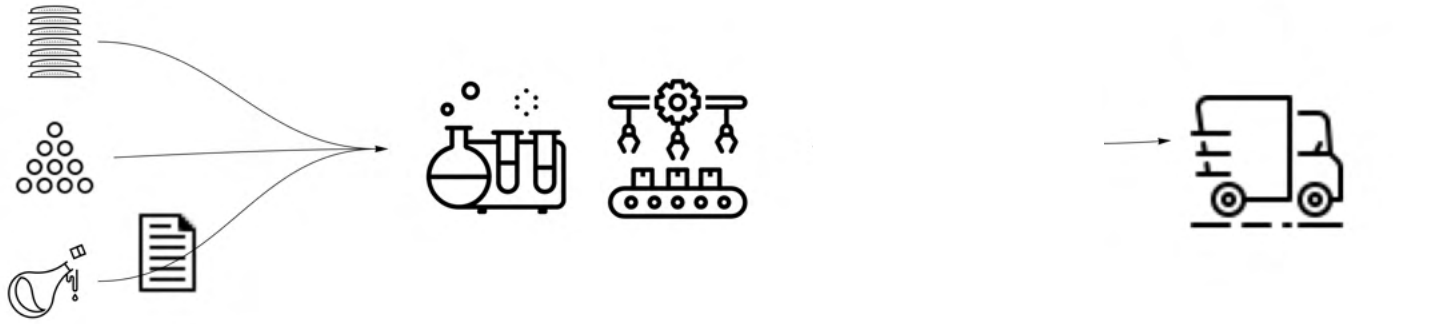
Coordination Support Action (CSA) Call
DIGITAL-2021-TRUST-01 — Digital Product Passport: sustainable and circular systems

Linking PCDS Assembly Tool to the manufacturing process

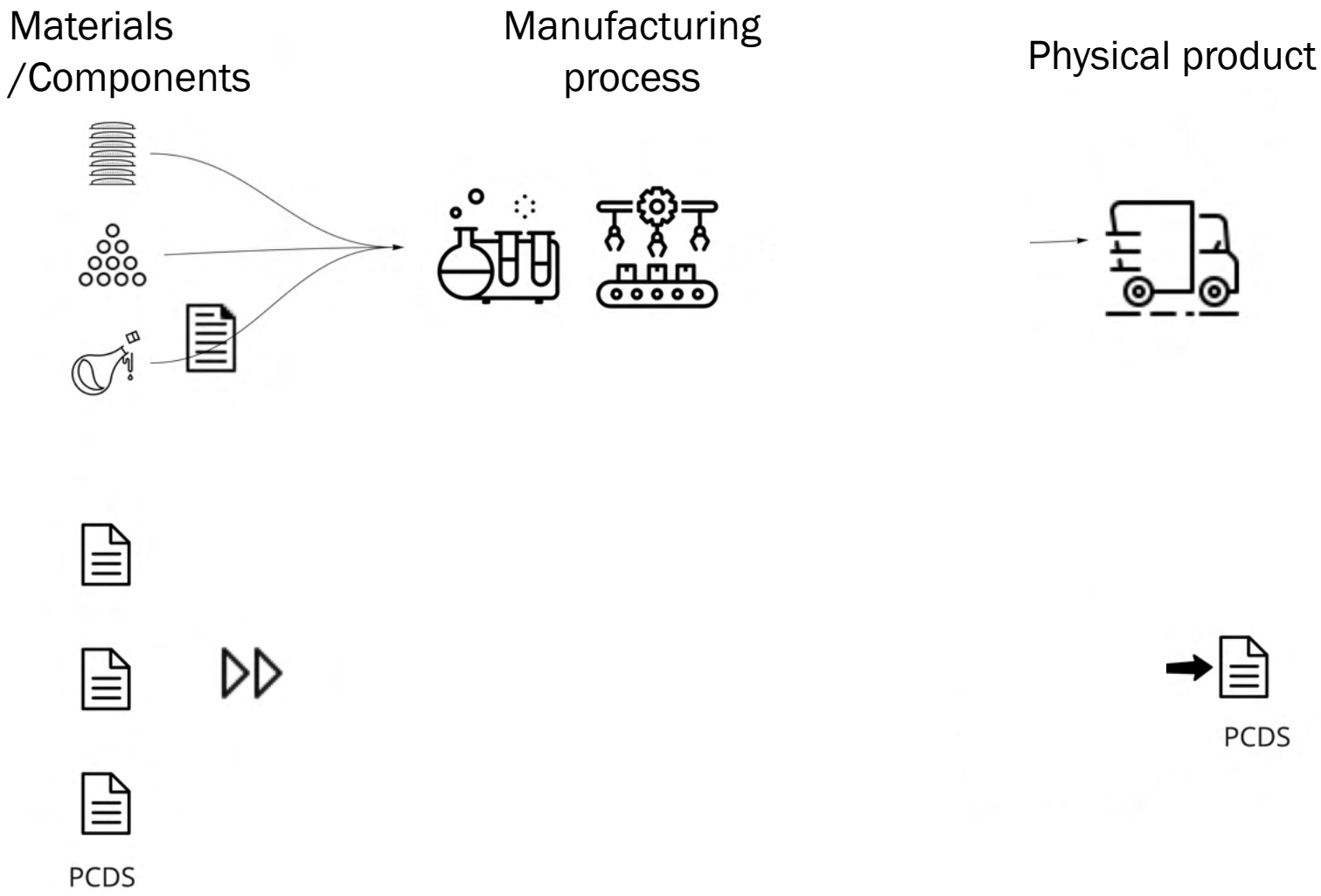
Materials /Components

Manufacturing process

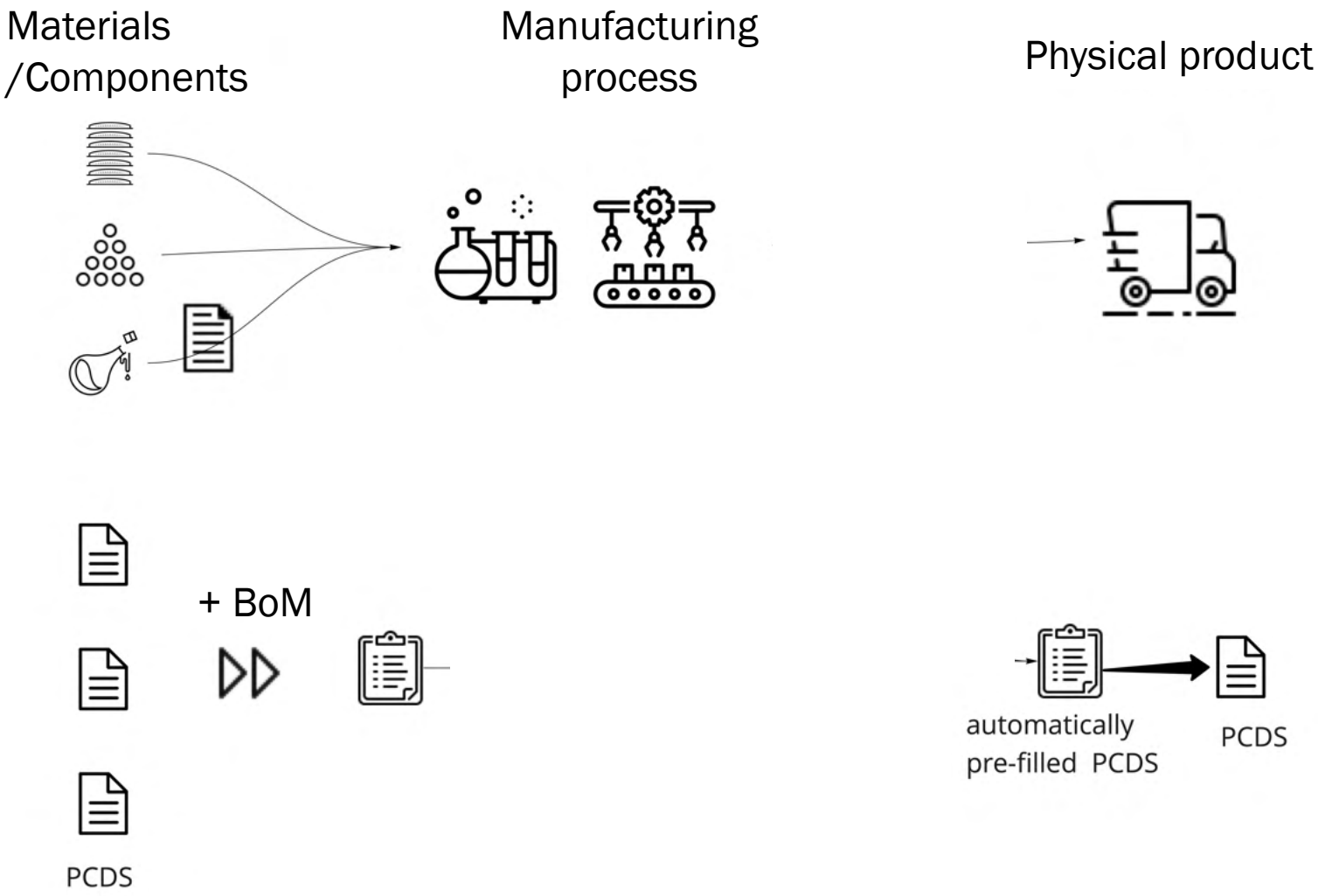
Physical product



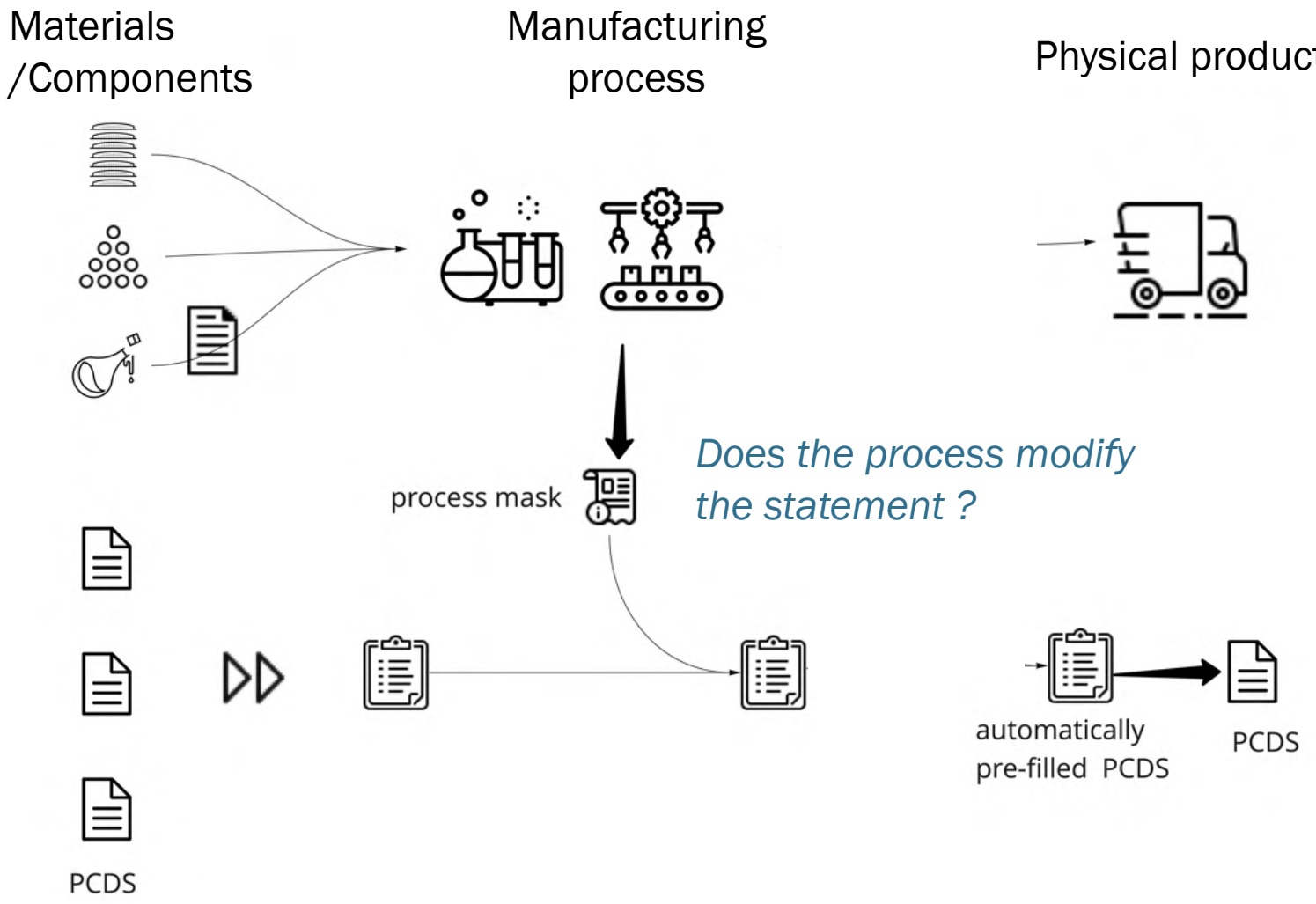
Linking data to the manufacturing process



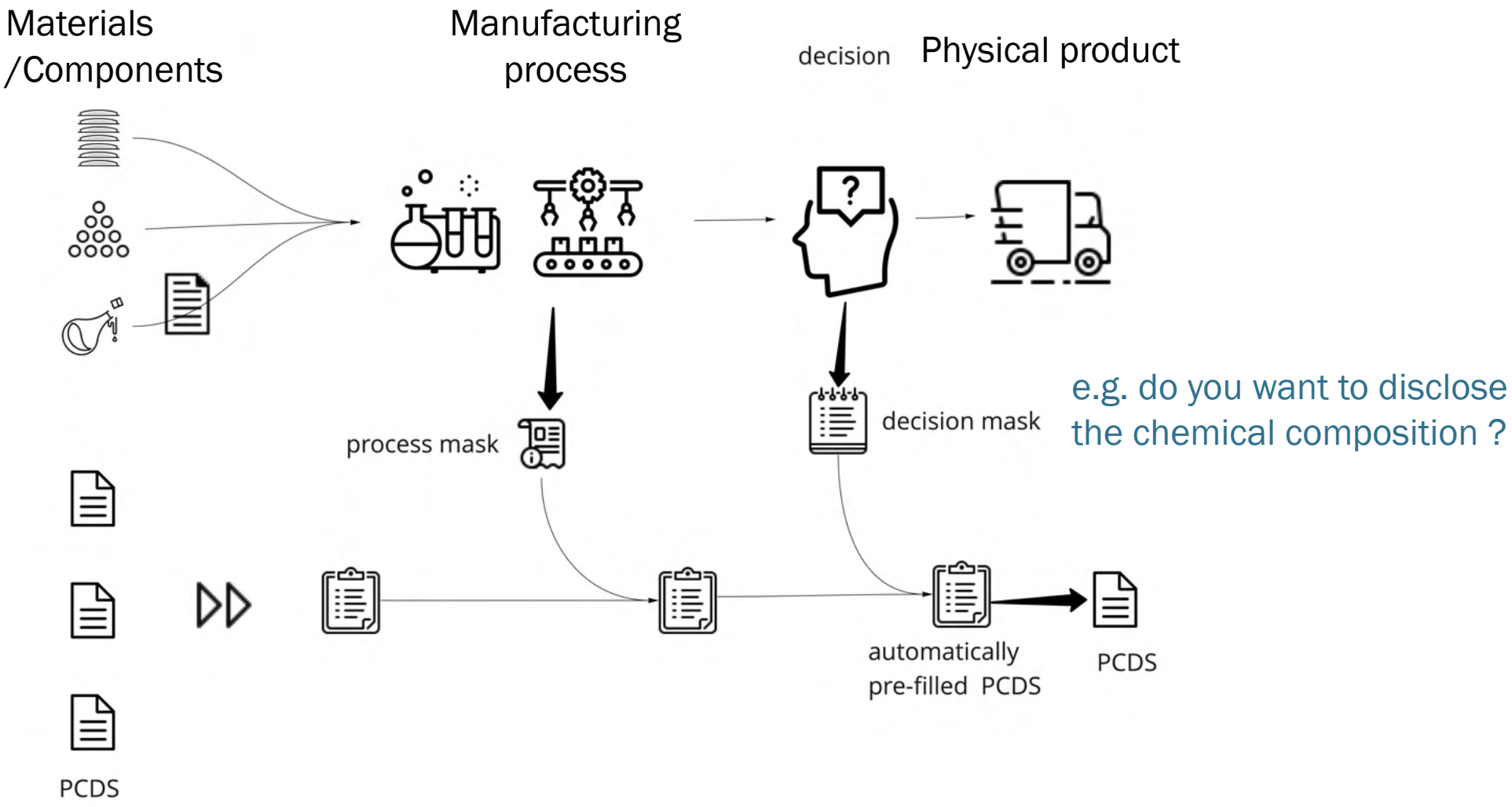
PCDS Assembly Tool



PCDS Assembly Tool



PCDS Assembly Tool



e.g. do you want to disclose the chemical composition ?

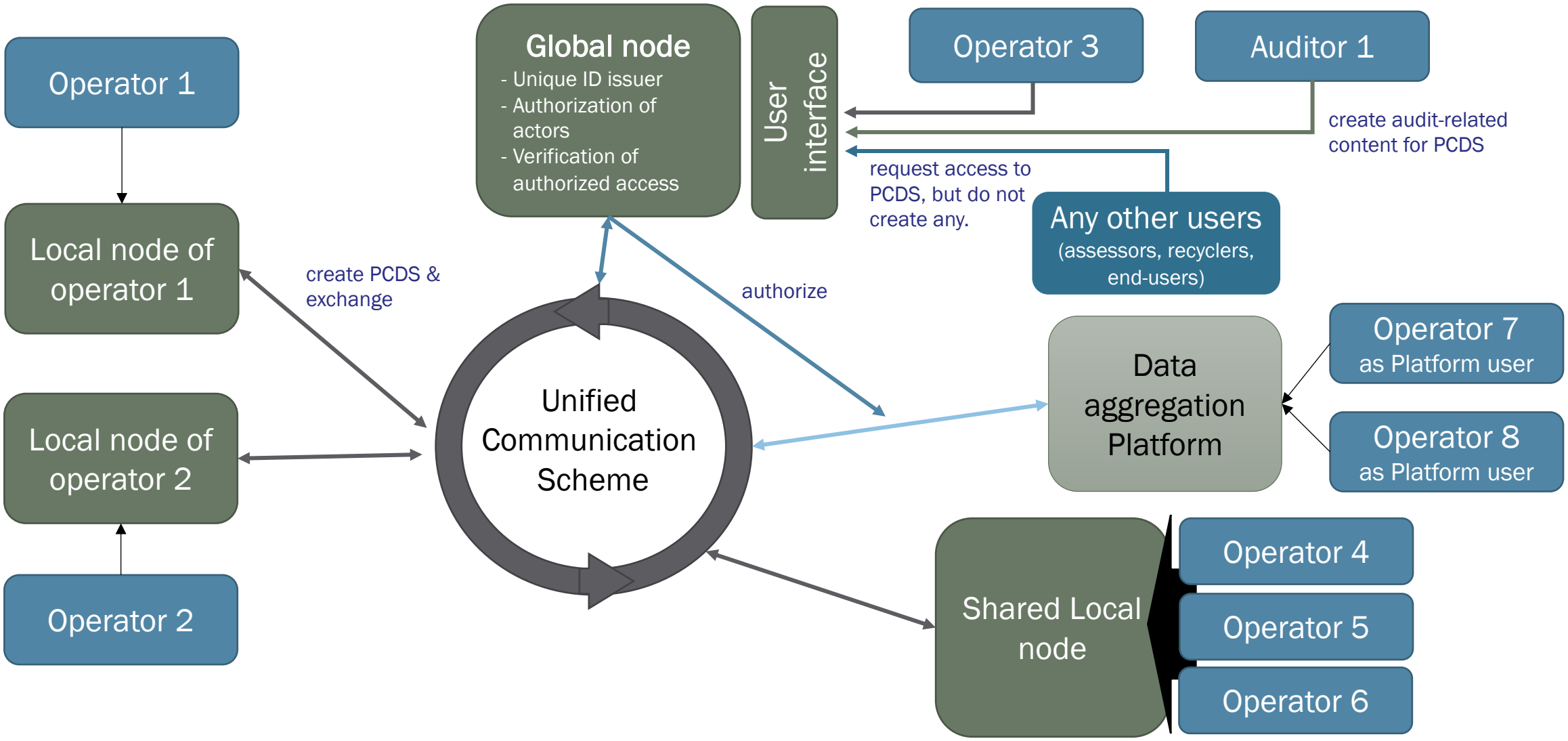
IT architecture development

https://wiki.trustoverip.org/display/HOME/PCDS+Ecosystem+Task+Force

Key actors in PCDS ecosytem

- Operators
  1. PCDS Creator
  2. Data aggregation platform
  3. PCDS viewer
  4. System governor
- Auditors

PCDS Ecosystem design (draft)



Actions

- Publish the completed PCDS on your website

- Participate in the highlighted milestones
  - Pilot the Assembly Tool
  - Give inputs to the PCDS IT system design when distributed

- Support communication through Linkedin (share posts) (https://www.linkedin.com/company/pcds-standard)