



PCDS
PRODUCT CIRCULARITY
DATA SHEET

Webinar

Update on scaling up the PCDS

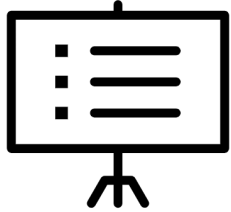
07/12/2021



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



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

End 2022

large scale Project

Globally used solution

End-to-end PCDS IT system in place & piloted



Proof of concept on trustworthy datasets & authentication system



ISO completes first round and publishes draft methods



Business cases validated in pilots



End-to-end Case study of manufacturers



New governance set up



PCDS system end-to-end POC completed and piloted



Assembly tool piloted and communicated to markets



Big picture IT structure, governance and business model



Start 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

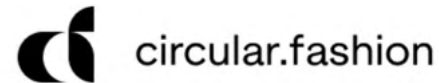
Progress on scaling up the PCDS

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

➤ Platforms and pilot projects



Deutsche
Bundesstiftung Umwelt



➤ Application to EU Project Calls

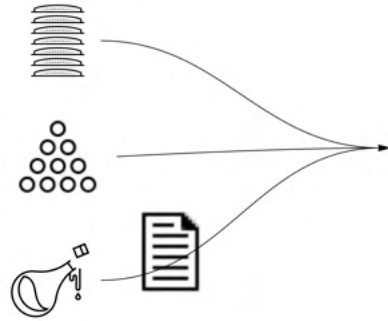


Coordination Support Action (CSA) Call

DIGITAL-2021-TRUST-01 — Digital Product Passport: sustainable and circular systems

Linking PCDS Assembly Tool to the manufacturing process

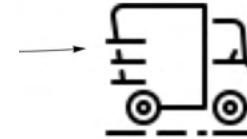
Materials
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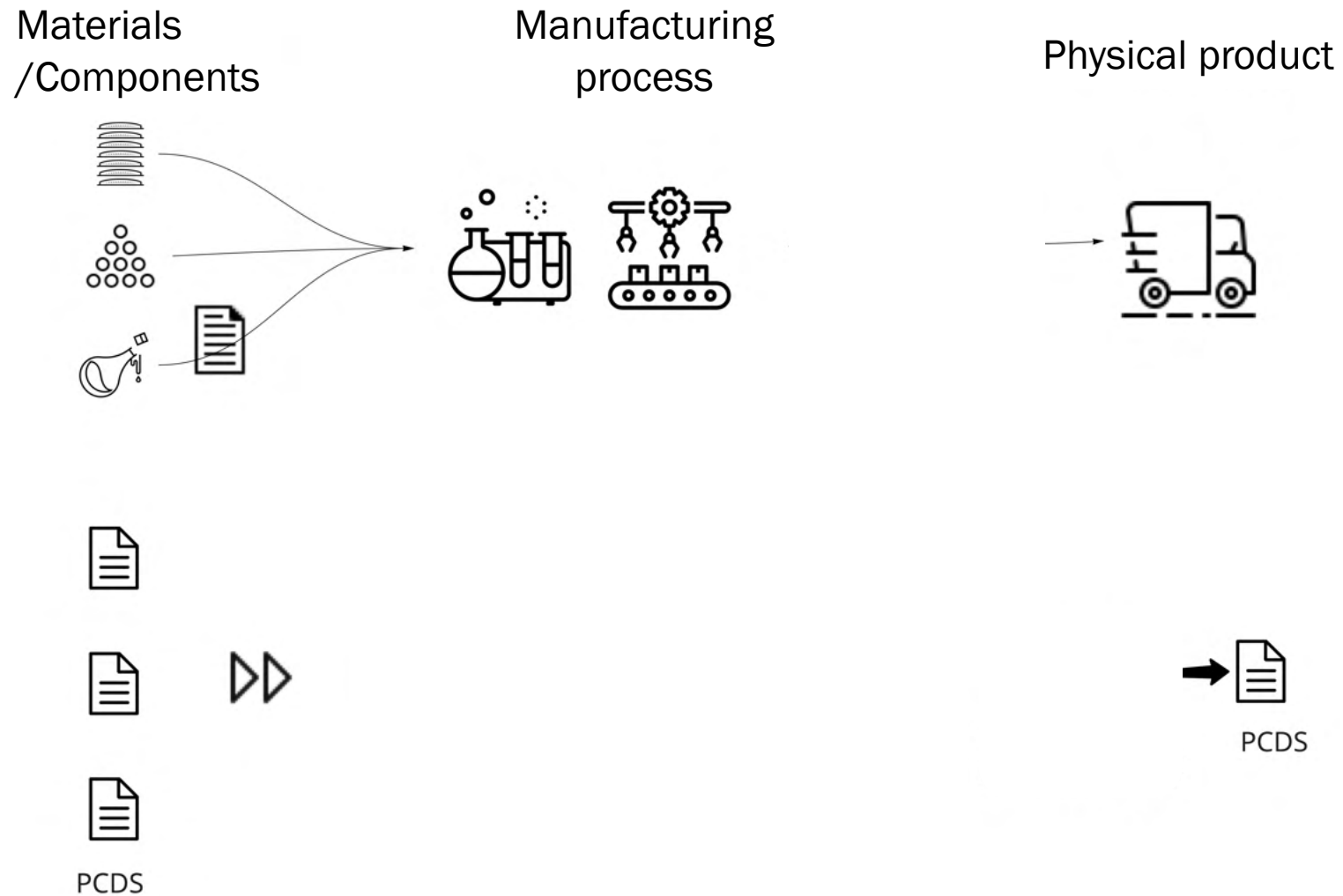
Manufacturing
process



Physical product

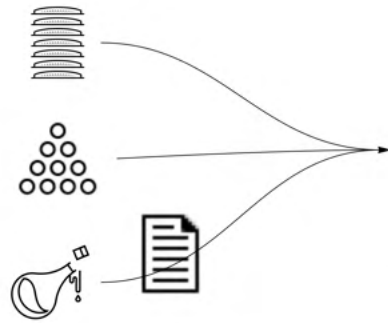


Linking data to the manufacturing process

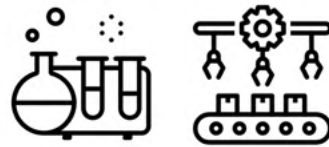


PCDS Assembly Tool

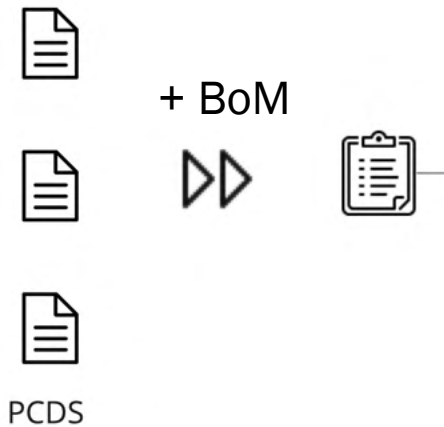
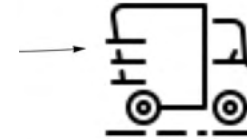
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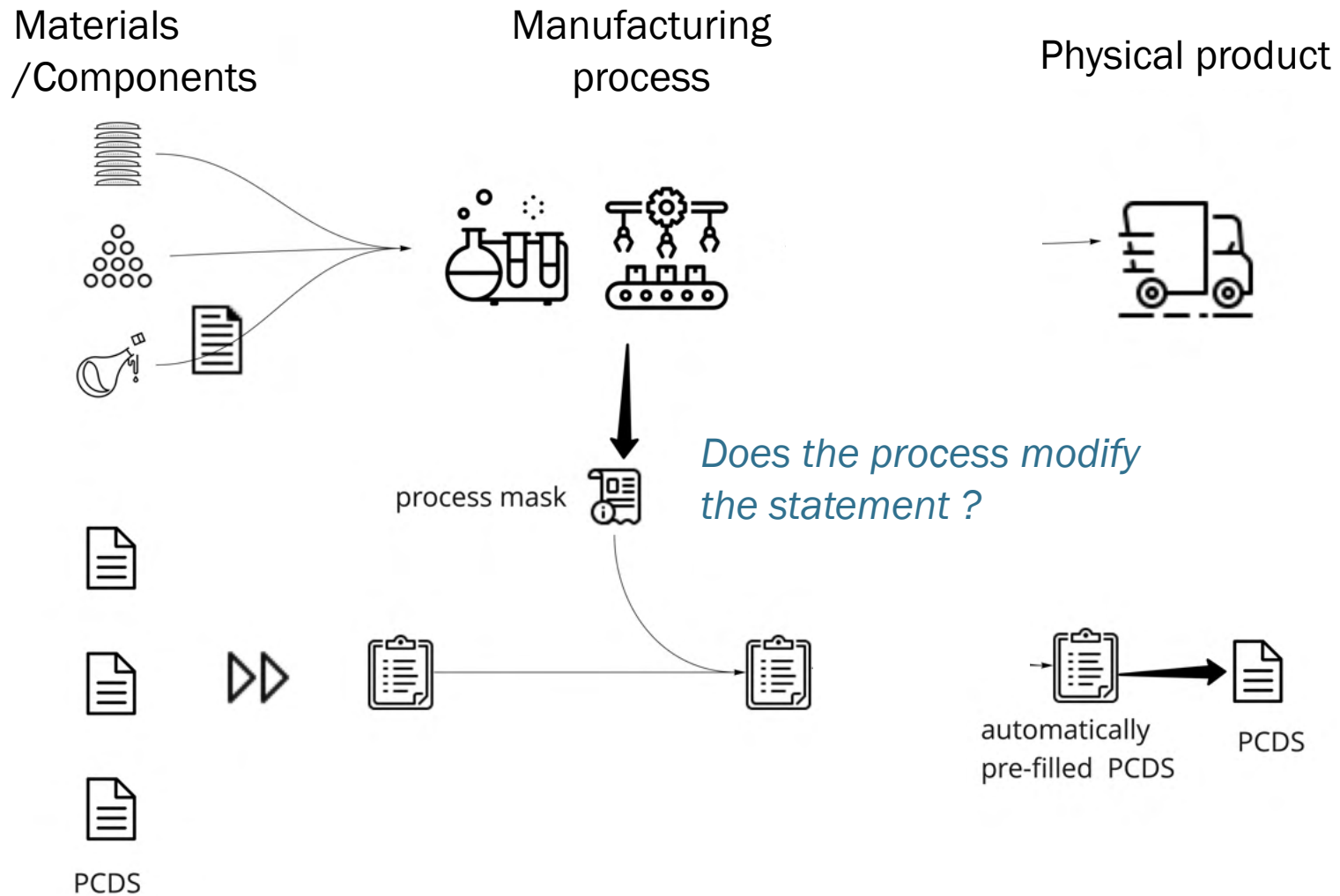
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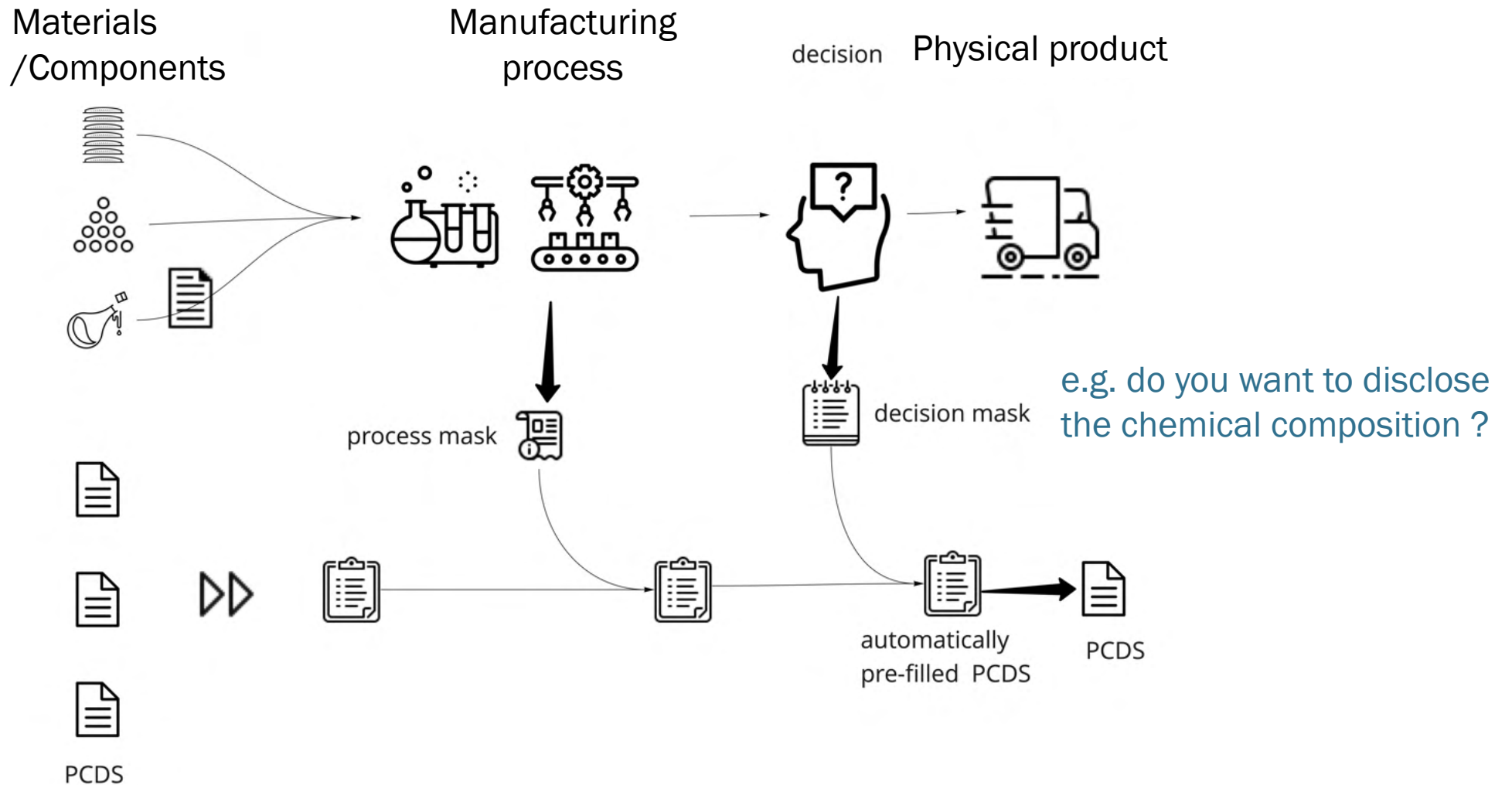
Physical product



PCDS Assembly Tool



PCDS Assembly Tool



IT architecture development



[https://wiki.trustoverip.org/display/HOME/
PCDS+Ecosystem+Task+Force](https://wiki.trustoverip.org/display/HOME/PCDS+Ecosystem+Task+Force)

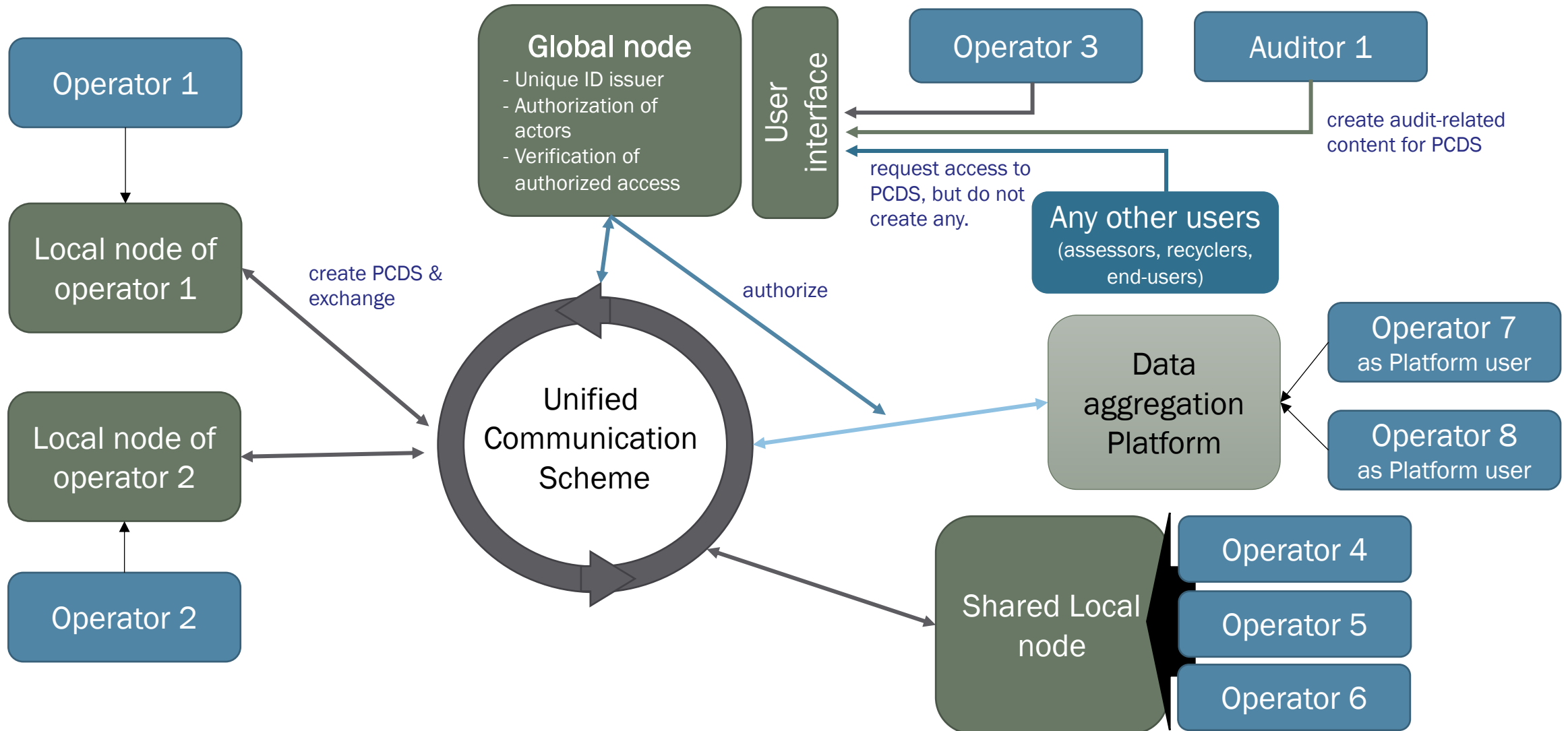
Key actors in PCDS ecosystem

➤ 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>)