



Data Sharing

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Ministry of Infrastructure and Watermanagement



DIWA Wokshop
Digitalisation and IWT, working together or on your own

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NL policy for data based freight transport and logistics

- Seamless multimodal transport chain - Customs is part of the logistic chain
- Paperless transport (digital-by-default)
- One government (eGovernment) - reduction administrative burdens - co-operation
- From data distribution to data sharing (follow up MSW)
- Harmonised data interoperability
- Innovation



Bottlenecks digitisation freight transport and logistics

- No interconnectivity (standards - silo perspectives transport modalities:- persons, cargo, transport)
- Fragmented legislation (national, international)
- Distorted level playing field (closed versus open systems)

Minister (2018) I do not want a new centralized IT system – Access SME to data



Advantages from paper to data —> data sharing

- Less administrative costs
- Multiple use of data
- Government bodies need less data:
 - reuse of data;
 - algoritme facilitate effective use of data so you can require less data for the same purposes.
- Control in advance - joint inspecties
- eGovernment (one-stop shop).
- Agreements can be made to deliver data on a pull basis instead of a push basis (reporting)
- Existing systems/platforms coexist under the condition of harmonized data interconnectivity.
- More structural innovation - attractive investment climate
- New services will emerge

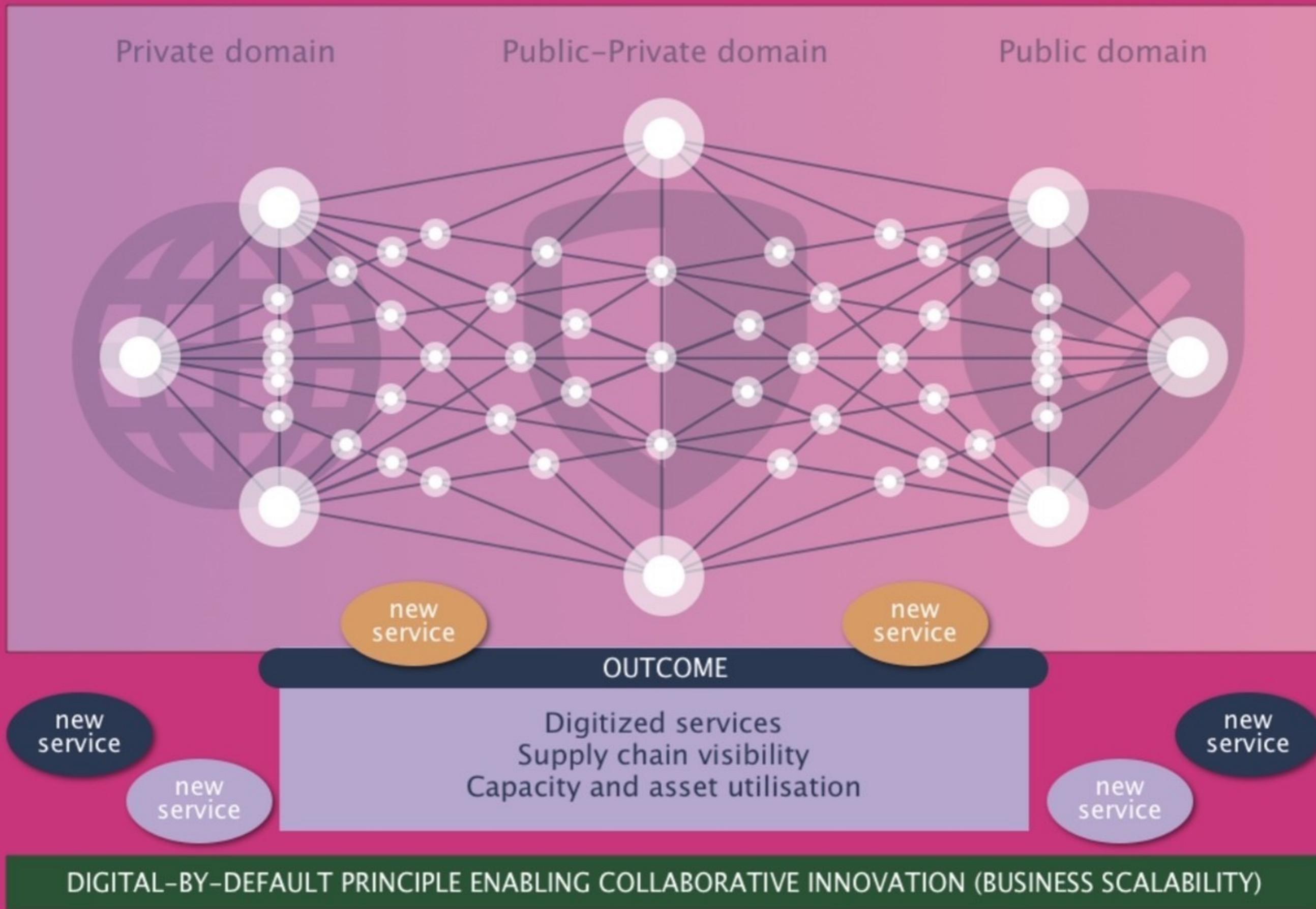
Developing an operational framework for data sharing

Validated Masterplan and prototype

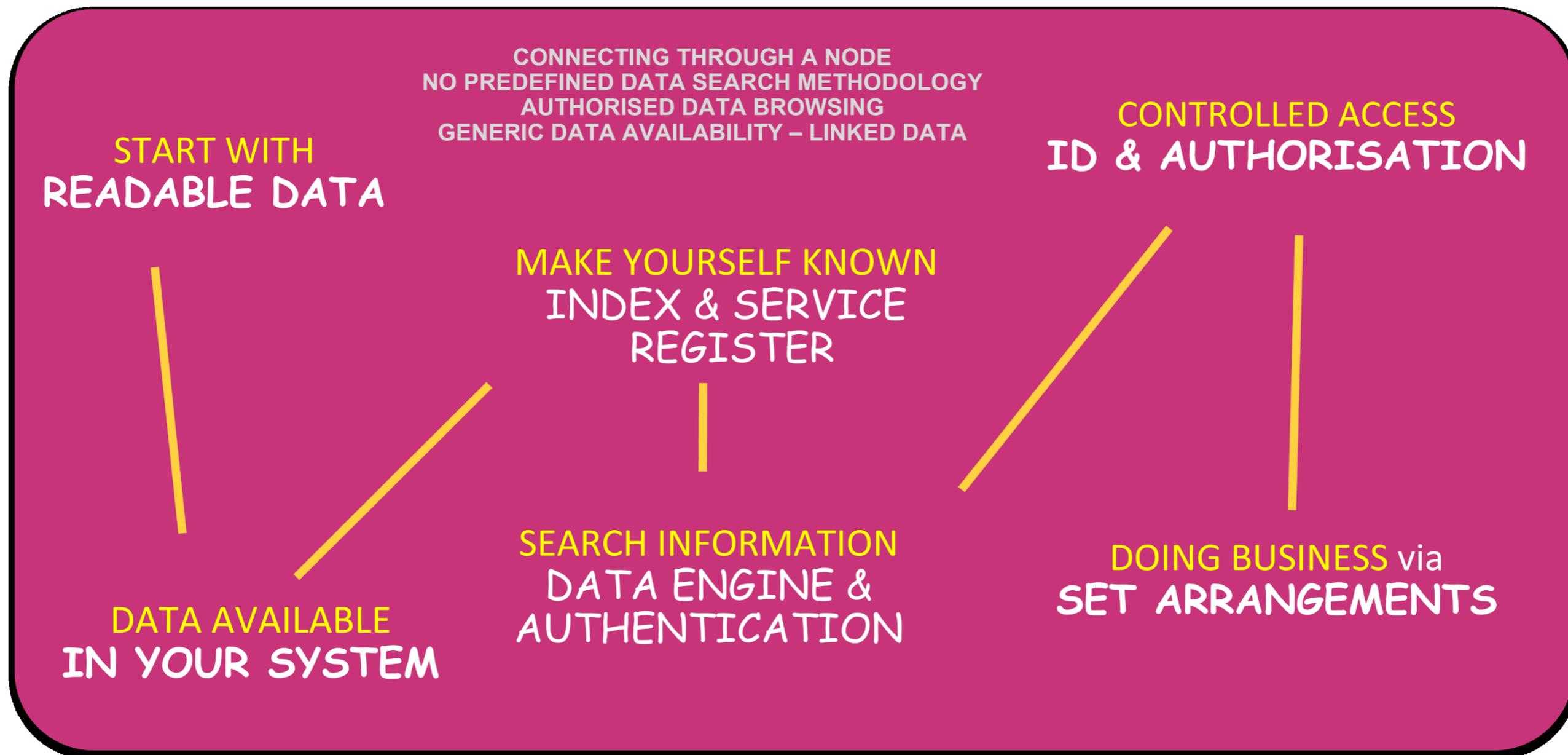


Co-financed by the Connecting Europe Facility of the European Union

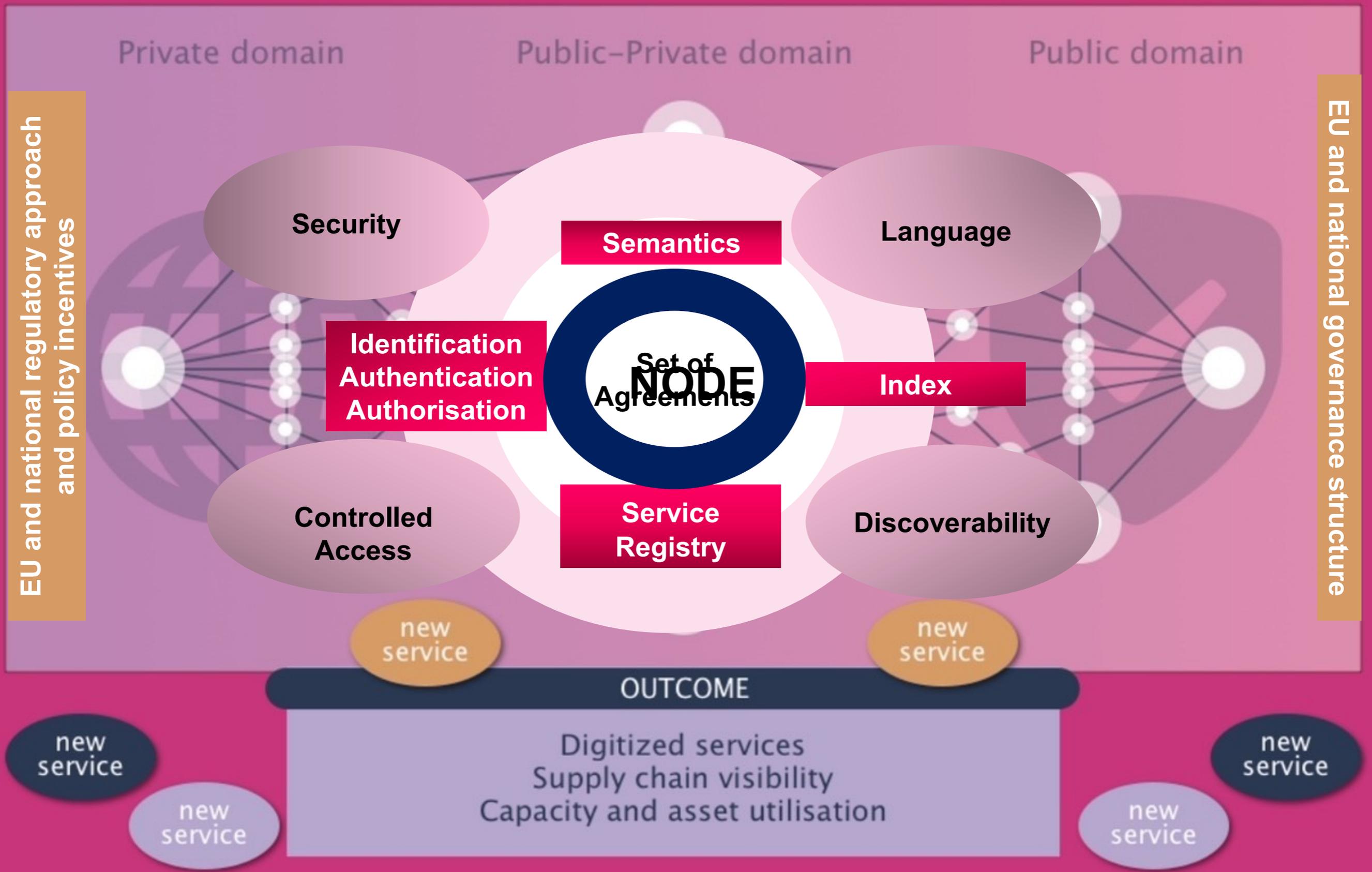
FEDeRATED INFRASTRUCTURE PROVISION – SET OF ARRANGEMENTS & TECHNICAL APPLICATIONS ENABLING DATA SHARING FOR AUTHORIZED USERS THROUGH A PUBLISH & SUBSCRIBE APPROACH



Interoperable grid of trusted nodes

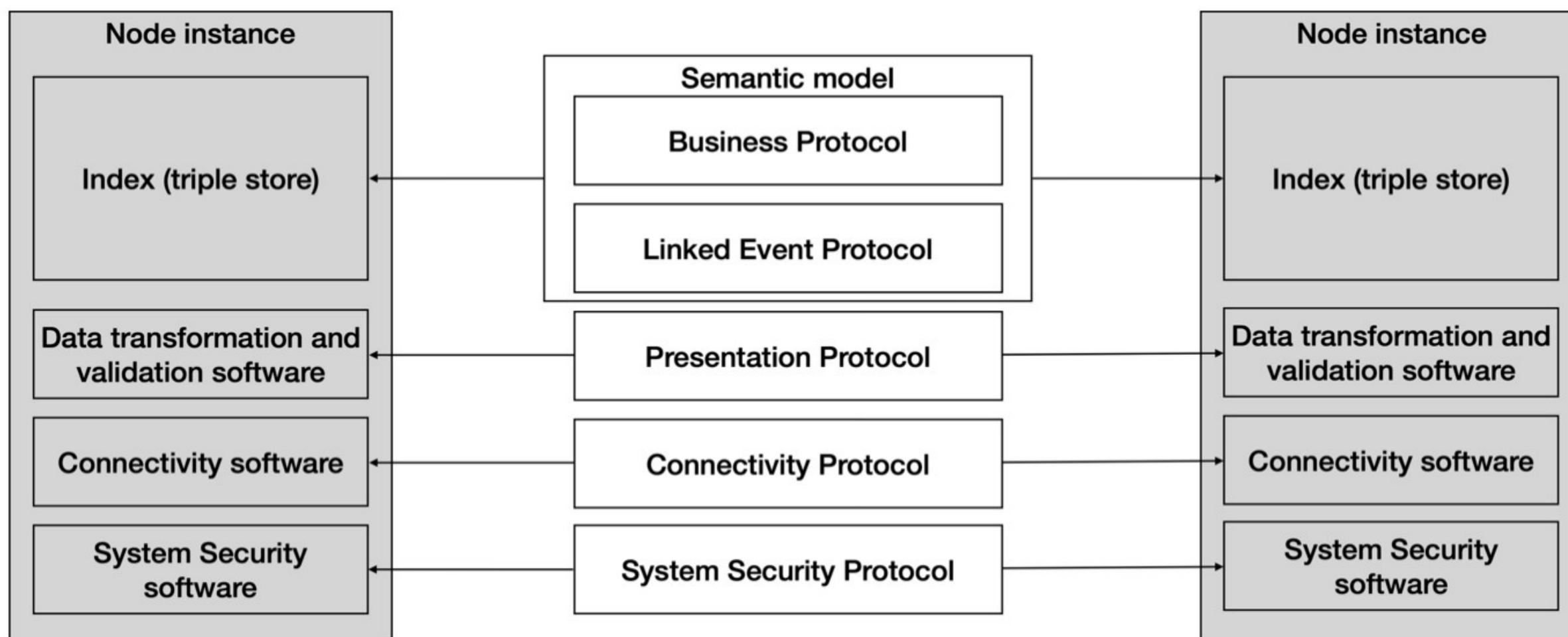


FEDeRATED DATA SHARING GRID – OPERATIONAL FRAMEWORK

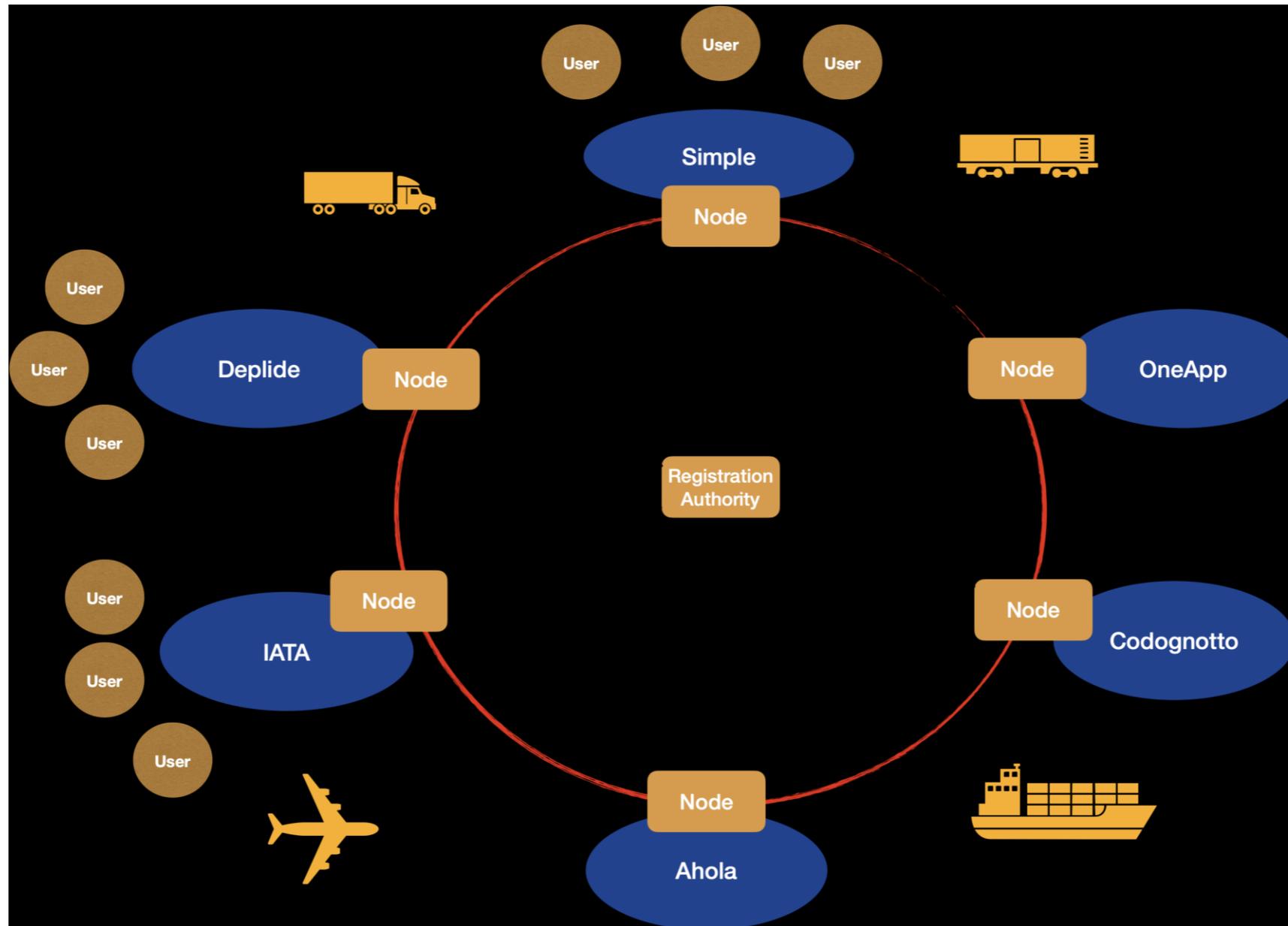


DIGITAL-BY-DEFAULT PRINCIPLE ENABLING COLLABORATIVE INNOVATION (BUSINESS SCALABILITY)

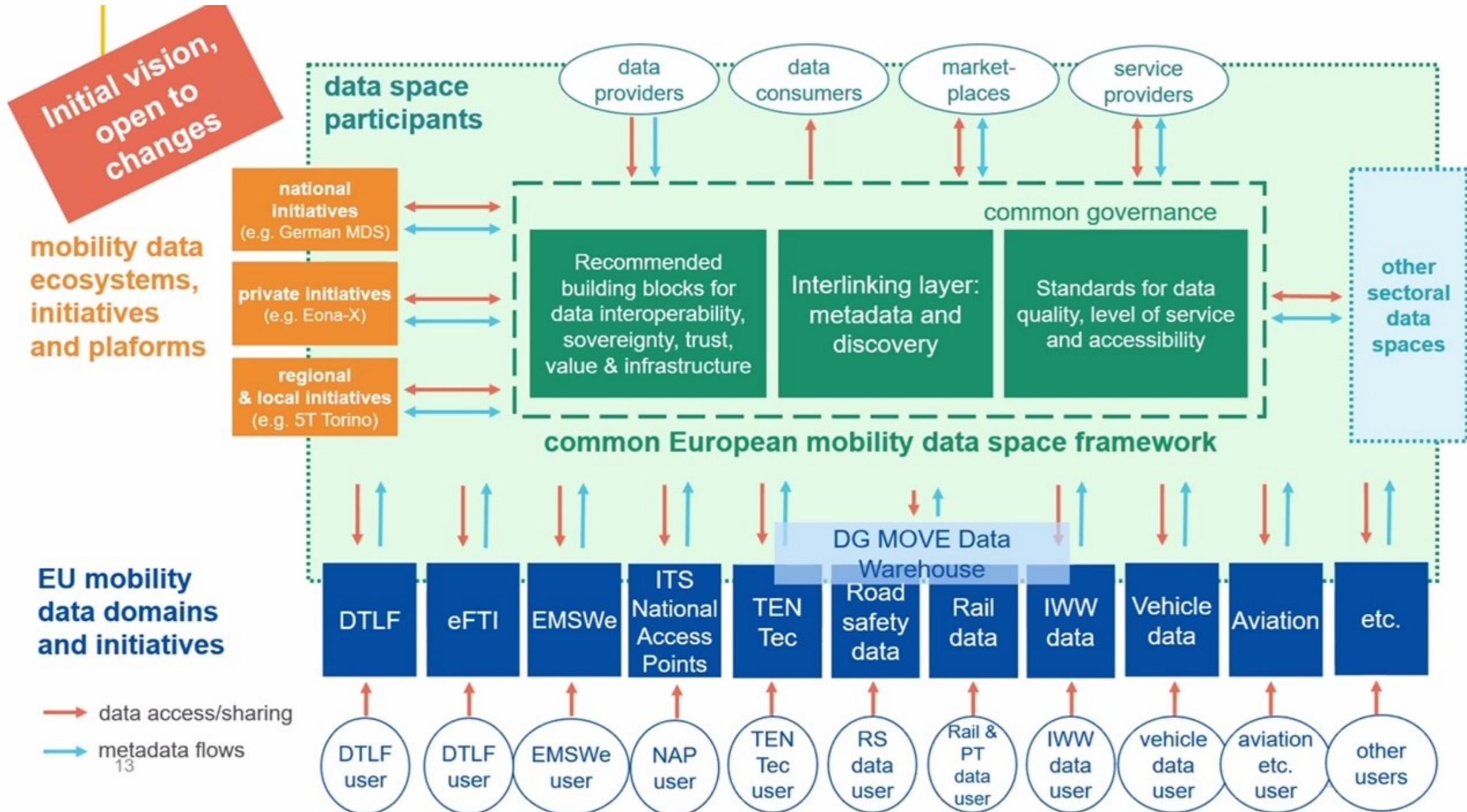
Protocol stack – set of arrangements



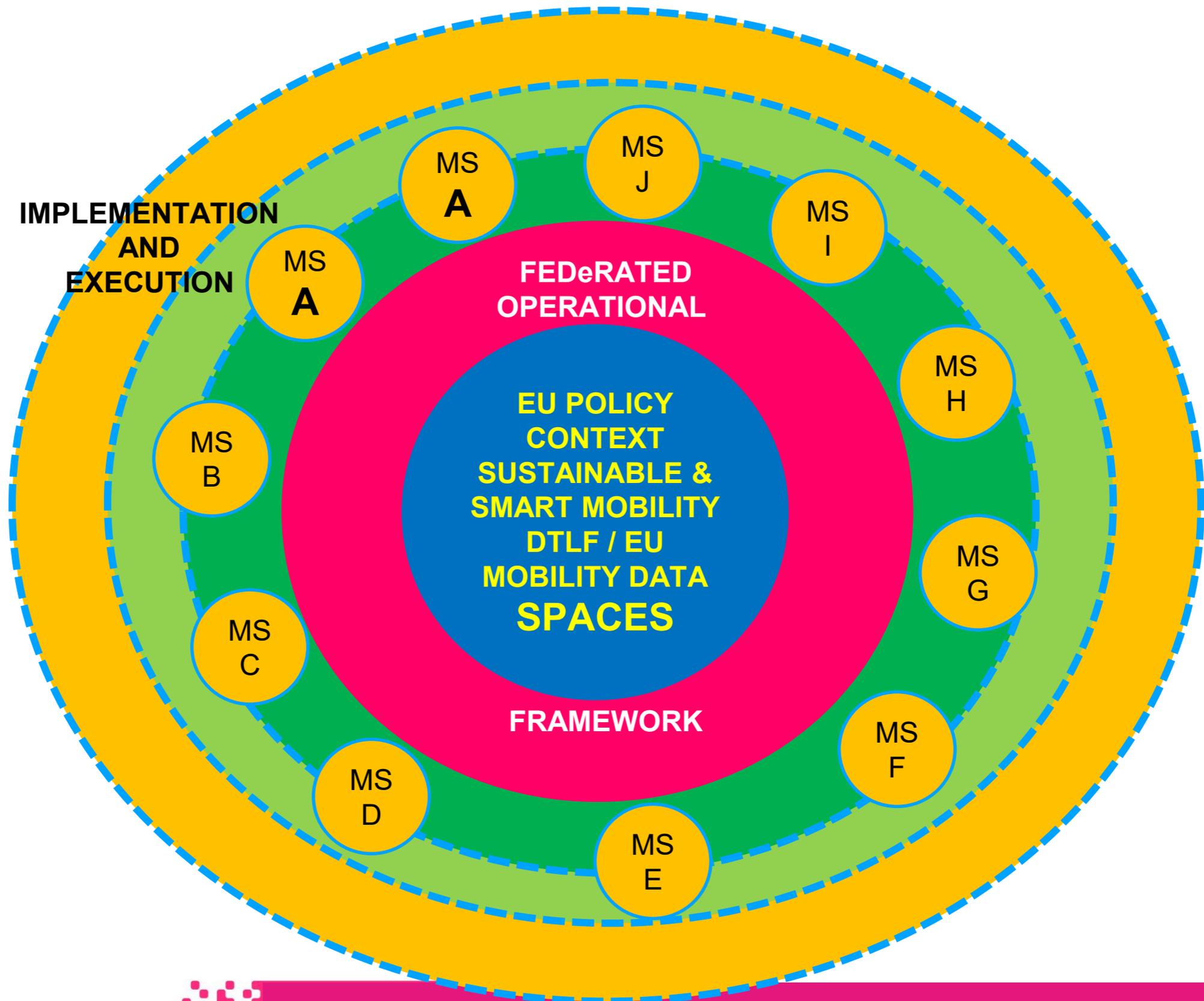
FEDeRATED node interoperability



EU Mobility data Spaces



Towards a common future



DATA SHARING



Let's cross the bridge together – make it better/trustworthy



THANK YOU