

Digital Transport and Logistics Forum

Sub-group 2 – a call for action

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DIGITAL TRANSPORT OLOGISTICS FORUM

About the DTLF



The Digital Transport & Logistics Forum (DTLF) is an expert group aimed at supporting the European Commission in fostering more efficient electronic exchange of information in the EU transport and logistics sector, across all modes of transport.

This work will contribute to the *Sustainable and Smart Mobility Strategy* of the European Commission, specifically: Action 54: Propose rules on a trusted environment for corridor data exchange to support collaborative logistics'





About the DTLF

2015
>130
>44

Establishment of the DTLF

The DTLF's first mandate (April 2015 – June 2018) was set up by Commission Decision C(2015)2259. It was renewed for a second mandate (September 2018 – September 2023) by Commission Decision C(2018)5921.

Appointed Forum Members and Observers

The DTLF offers a platform for dialogue between key stakeholders, including companies, associations, NGOs, trade unions, universities and research institutes, subject matter experts, Member States' authorities and other public entities.

Official Meetings since 2015

The DTLF meets on a regular basis, mainly in Brussels. Each year, the Forum holds two Plenary meetings, thereby reuniting all Members and Observers. In addition, several meetings are held for both Subgroups of the DTLF.

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The Forum is divided into three Subgroups, dealing with the digitalisation and acceptance of transport documents (Subgroup 1), the establishment of digital corridor information and management systems (Subgroup 2) and the eFTI delegated acts Expert Group (Subgroup 3)



DTLF II: second mandate 2018 - 2023

Subgroup 1

Paperless Transport

Subgroup 2

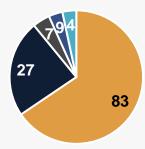
DTLF

Corridor freight information systems

Subgroup 3

eFTI Delegated
Acts

- ✓ Support for implementation of eFTI initiative
- ✓ Identify measures to support further digitalisation of documents concerning the means of transport and personnel
- ✓ Development of corridor cargo information systems
- ✓ Development of Delegated Acts for the implementation of eFTI
- ✓ Synchronisation with the CEF funded projects

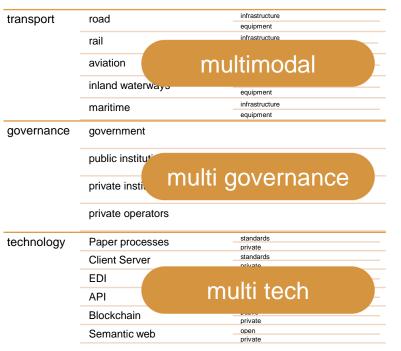


- Organisations
- Member States
- Other public entities
- Individuals (personal capacity)
- Individuals (common interest)





SG2 Challenge: fragmented digital infrastructure



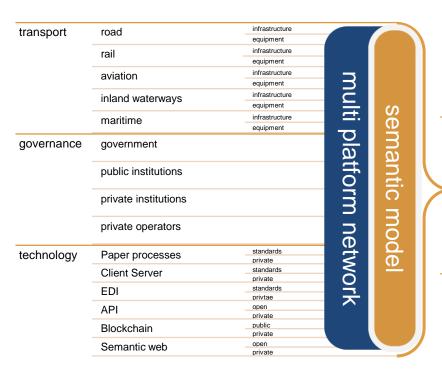








Solution: cooperation & interoperability



Federated network of platforms

Trusted safe & secure

Plug & play architecture

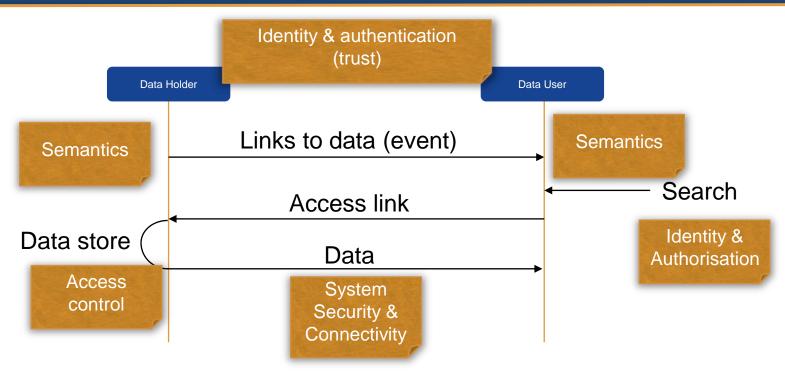
Technology independent services







The DTLF data sharing protocol (linked (semantic) data – pull based)

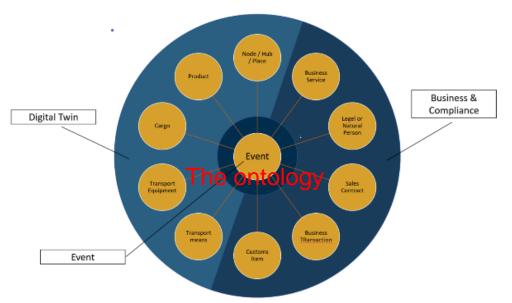


It is about applying the output of team 2 in practice





The semantic model and its application



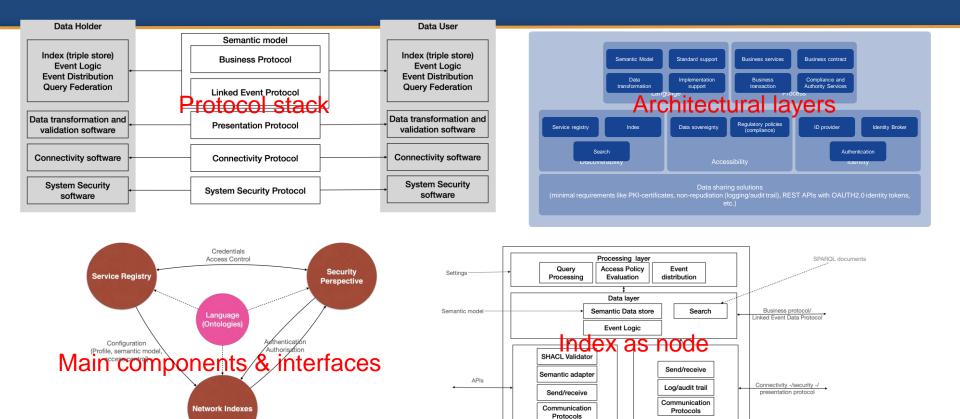
Applying the ontology for

- Data transformation between various standards
- To express data requirements in different settings
 - ✓ Community
 - ✓ Supply chain
 - ✓ Industry association
- To express various data requirements
 - ✓ Business document data sets
 - ✓ Interactions (bookings, orders, etc.)
 - ✓ ...
- To formulate one's own data requirements for business support (plug and play)





The foreseen deliverables



Communication laver

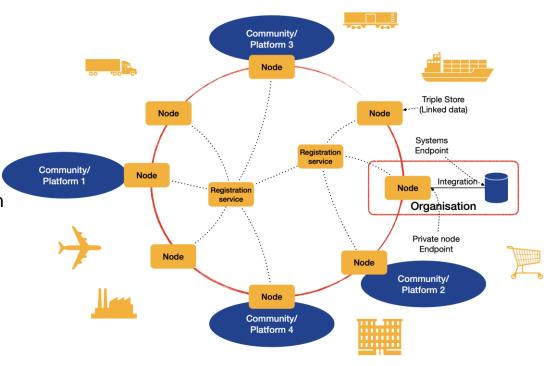
node

Communication laver

European Commission

This creates a common ground for multimodal logistics by a federated network of platforms

- One basic cross-modal data semantics
- To be adopted (specialized) and implemented by
 - ✓ each mode of transport
 - ✓ logistics customers (supply chain stakeholders)
- Migration path by supporting existing implementations ('standards support')







Main deliverables of SG2 till now

- ✓ Semantic model for data sharing
 - Developed and validated in FEDeRATED; adopted by DTLF SG2
 - Going to be applied in other projects and initiatives (see later on the agenda)
- ✓ Architecture data at the source
- And initial findings on plug and play (team 1) and governance (team 4)





Initiatives feeding and adopting SG2 results

- ✓ Santana Hamburg Port Authority and Dakosy
- ✓ Data Infrastructure Logistics Dutch Ministry of Infrastructure and Water management
- ✓ CEF funded FEDeRATED action (>20 Living Labs)
- ✓ CEF funded FENIX action (>20 Living Labs)
- ✓ Nexus project Portugal
- ✓ Physical Internet Living Lab (first coordination meeting has taken place)
- ✓ H2020 Green Deal Magpie Project (Rotterdam Port Authority)
- ✓ Datapipe (circular economy funded by EC DG Reform, Dutch Customs/Dutch Ministery of I&W/TUDelft/TNO)
- ✓ Others?





Expected output and next steps

Technical specification (e.g. registration, architecture, interoperability principles, common services, governance)

Implementation guidelines for the individual organisations on how to plug and operate in the federated network of platforms - 2022/2023

Adoption and implementation by the various stakeholders

2023 -

Who is willing to adopt and experiment? What would be required as support?







Thank you!

