

FEDeRATED

Data sharing in logistics

Roeland van Bockel
FEDeRATED project coordinator



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2. What do we want
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1

Who Where When, Why

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Who Where When, Why

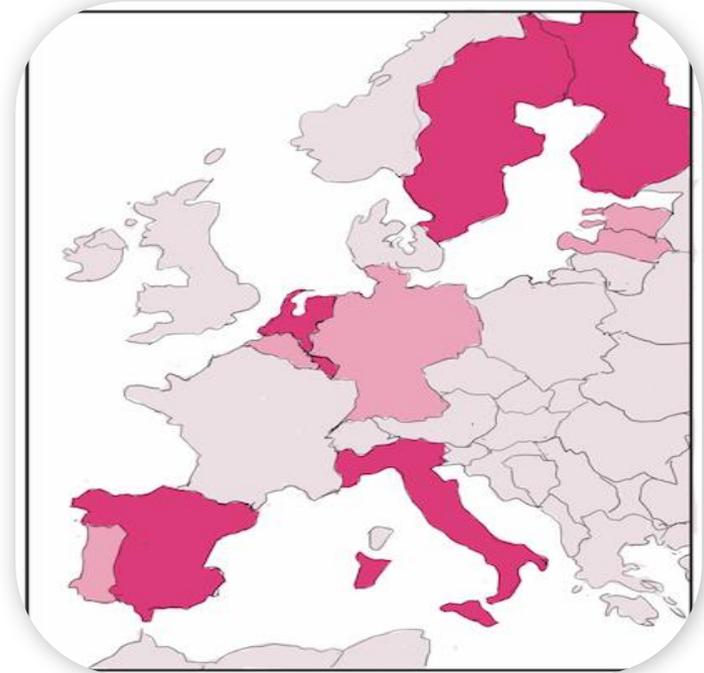
15 PARTNERS (Public and private)

8 TEN-Corridors (21 LivingLabs)

2019 – 2023

Show EU DTLF building blocks work:

- Plug & Play
- Federation
- Independent technology services
- Safe, Secure and Trust



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2

What

We want to achieve

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VISION

- Data sharing as a commodity in logistics – DTLF
- EU Data policy – integrated data spaces (mobility) - national access points (federated approach)
- Core Operating Framework - Infrastructure provision for all
- Pull based – publish and subscribe
- Consultation process – transition - supply chain interoperability
- Efficiencies – Monitoring Cargo, Transport, Containers, ETA, ETD ...
- Supply chain visibility
- Optimized use of assets and infrastructure
- New services → efficiencies → GDP growth

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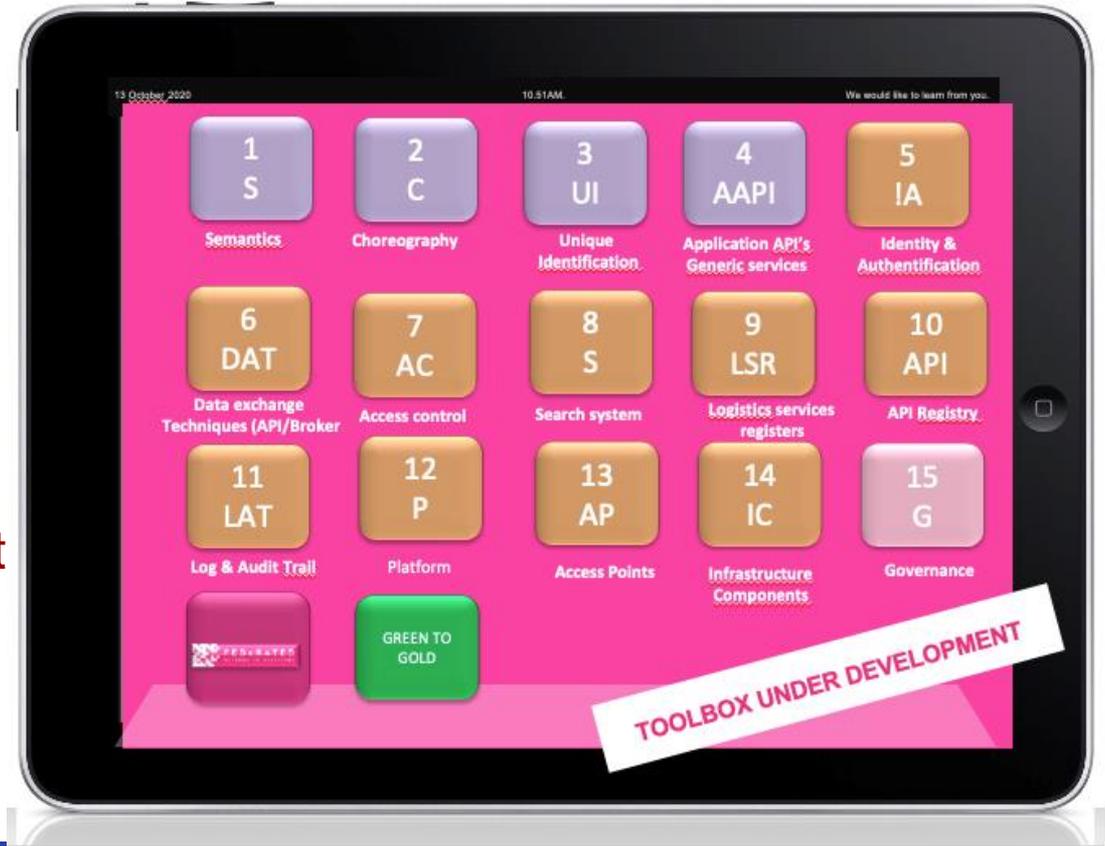
PRODUCT

Validated MasterPlan
Guideline - How to build it
Toolkit

- Semantics
- Technical applications
- FEDeRATED node

User manual - How to use it
Set of arrangements

Governance – How to keep
up to data and commit



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3

How

To do IT

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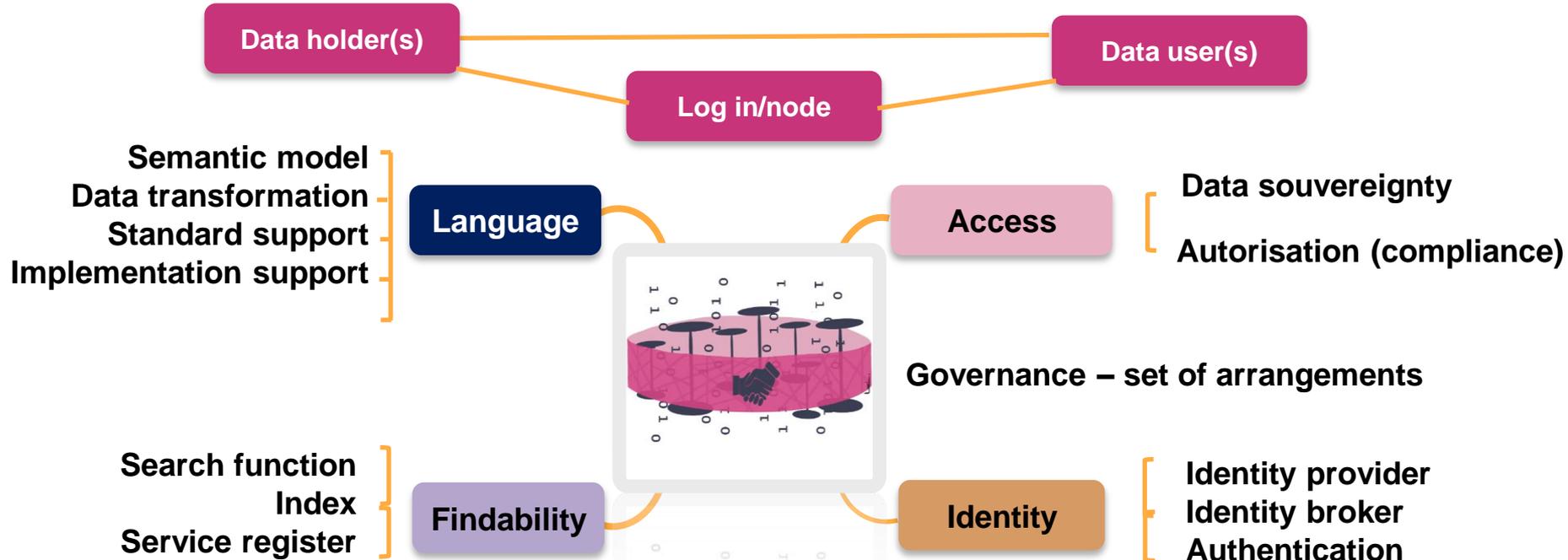
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Architecture



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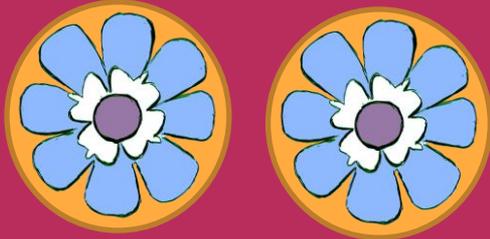


The FEDeRATED socket (node)



100% data sovereignty

Data on demand



Open access

100% federated

Plug into a flower



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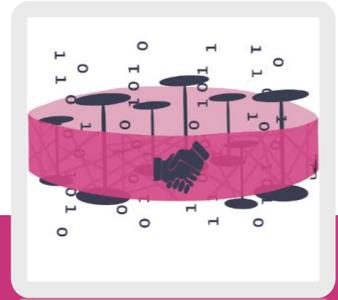
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Engineering freedom IoT



START WITH
READABLE DATA

MAKE YOURSELF KNOWN
INDEX & SERVICE REGISTER

ACCESS
ID & AUTHORISATION

NO PREDEFINED DATA SEARCH METHODOLOGY
AUHORISED DATA BROWSING
GENERIC DATA AVAILABILITY – LINKED DATA

DATA AVAILABLE
IN YOUR SYSTEM

BROWSING
SEARCH ENGINE & AUTHENTICATION

DOING BUSINESS via
SET ARRANGEMENTS

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Living Labs

INPUT

Shippers

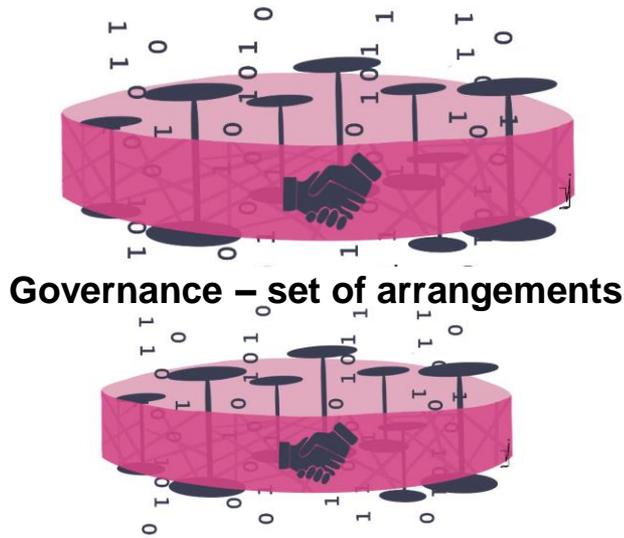
Forwarders

Authorities

Transporters

Ports

Terminal operators



OUTPUT / SERVICES

Multimodal information sharing

Sea-Rail-Road visibility

ETA predictions

Truck itinerary and city access

Customs Procedures transparency

CO2 monitoring

Traffic management

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4

Next

Mid Term Event

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24 NOVEMBER 2021

INVITATION - JOIN US FEDeRATED MID-TERM EVENT

15 PROJECT PARTNERS
21 LIVING LABS
INTERNATIONAL GUESTS & SPEAKERS

What: Bolstering EU digital competitiveness and sustainability in logistics

When: November 24th 2021 h 9:30-13:00 CET

Where: Zoom Platform

Topic: the EU data and transport policy agenda and its impact on data driven logistics. Followed by FEDeRATED achievements – Masterplan for the network of platforms, multimodal semantic modelling, stakeholder engagement – and demonstrations of practical cases and services (Living Labs)

REGISTER
NOW



FEDeRATED NETWORK OF PLATFORMS FOR DATA SHARING IN THE FREIGHT TRANSPORT & LOGISTICS

<http://www.federatedplatforms.eu>



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

Terminal San Giorgio



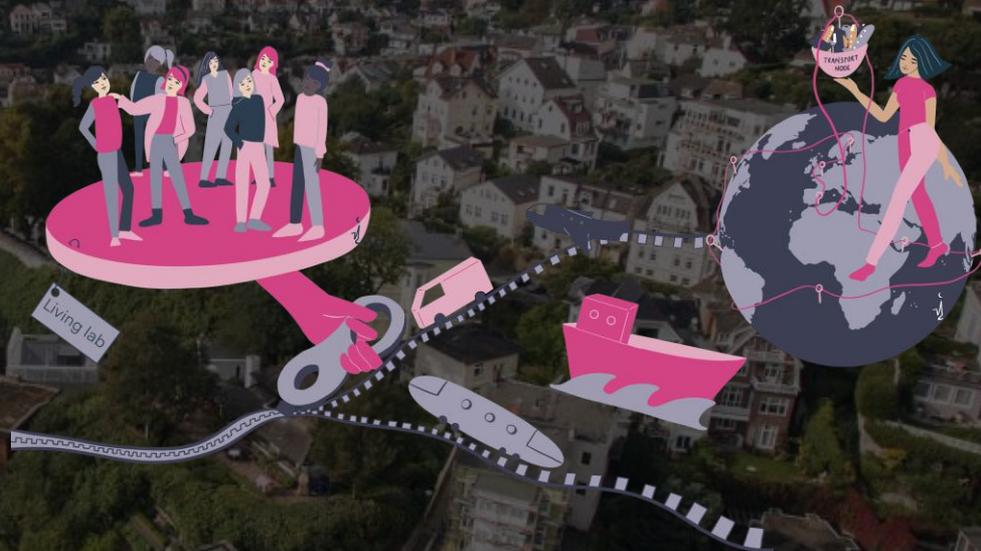
GET IN TOUCH

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