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Market Conference & Expo
Vienna Austria
14 - 15 March 2023
In partnership with gaia-x
Hub Austria

Mobility Data Space

Michael Schäfer

CEO of Mobility Data Space

Formula for innovative mobility solutions

Mobility Data Space
Data Sharing Community

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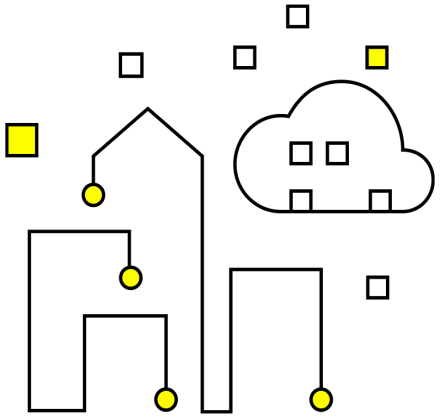

Mobility relevant data

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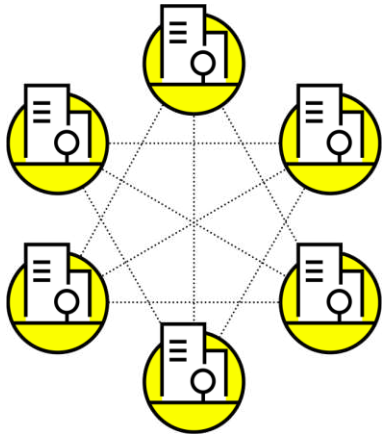

Decentralized, state of the art infrastructure

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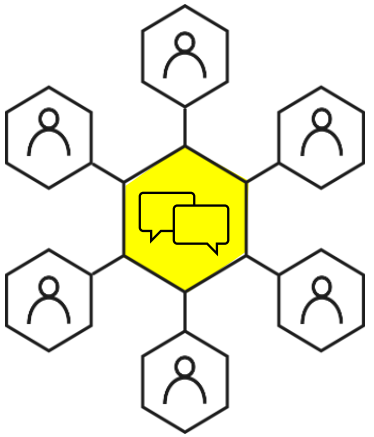

Trustworthy Community

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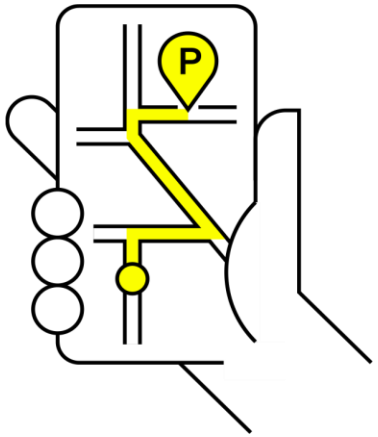


Innovative solutions

Data Portfolio | Growing range of mobility-related data

Traffic Information

Roadworks and Road conditions

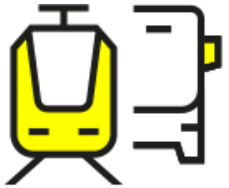
Traffic Flow Information

Parking Information

Fuel Price and electro mobility

Traffic Signs and Speed Information

Weather Information



Public Transport Information

Car und Bike Sharing

Infrastructure

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Mobility relevant data

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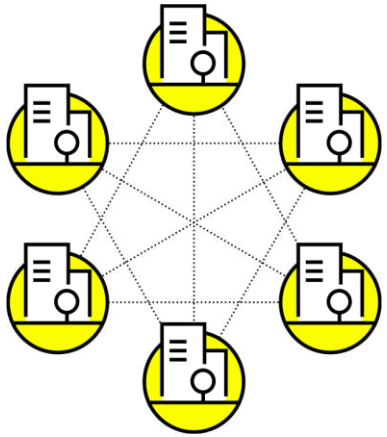

Decentralized, state of the art infrastructure

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Trustworthy Community

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Innovative solutions

Decentralized Infrastructure | Eclipse Dataspace Connector (EDC)

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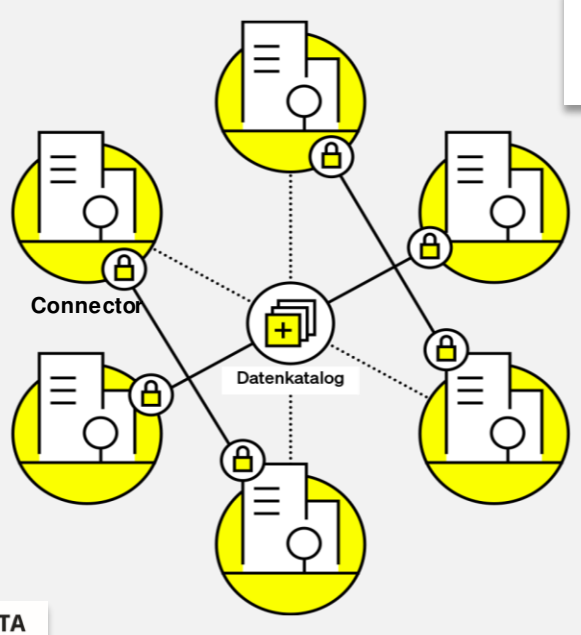
Today

IONOS



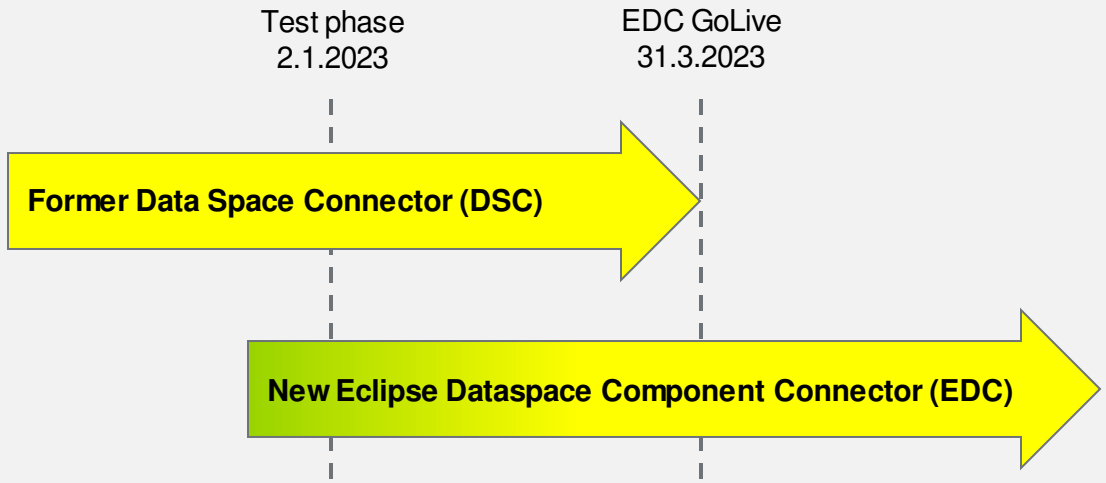
INTERNATIONAL DATA SPACES ASSOCIATION

gaia-x

- The MDS architecture is based on the International Dataspace Association's framework – it is **productive and ready to use**
- The MDS is committed to GAIA-X and its framework

Next

- Major technology change – The MDS and all of its participants **switch from DSC to EDC Connector**
- Added value:
  - ✓ interoperability with other data spaces,
  - ✓ increasing performance in data exchange and
  - ✓ reduction of transaction costs
  - ✓ Great development community



Formula for innovative mobility solutions

Mobility Data Space
Data Sharing Community

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Mobility relevant data

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Decentralised, state of the art infrastructure

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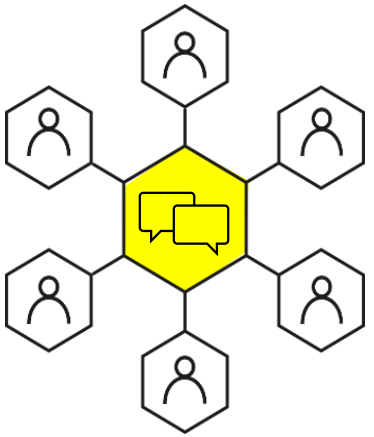

Trustworthy Community

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Innovative solutions

WE are the Data Sharing Community

Mobility Data Space
Data Sharing Community

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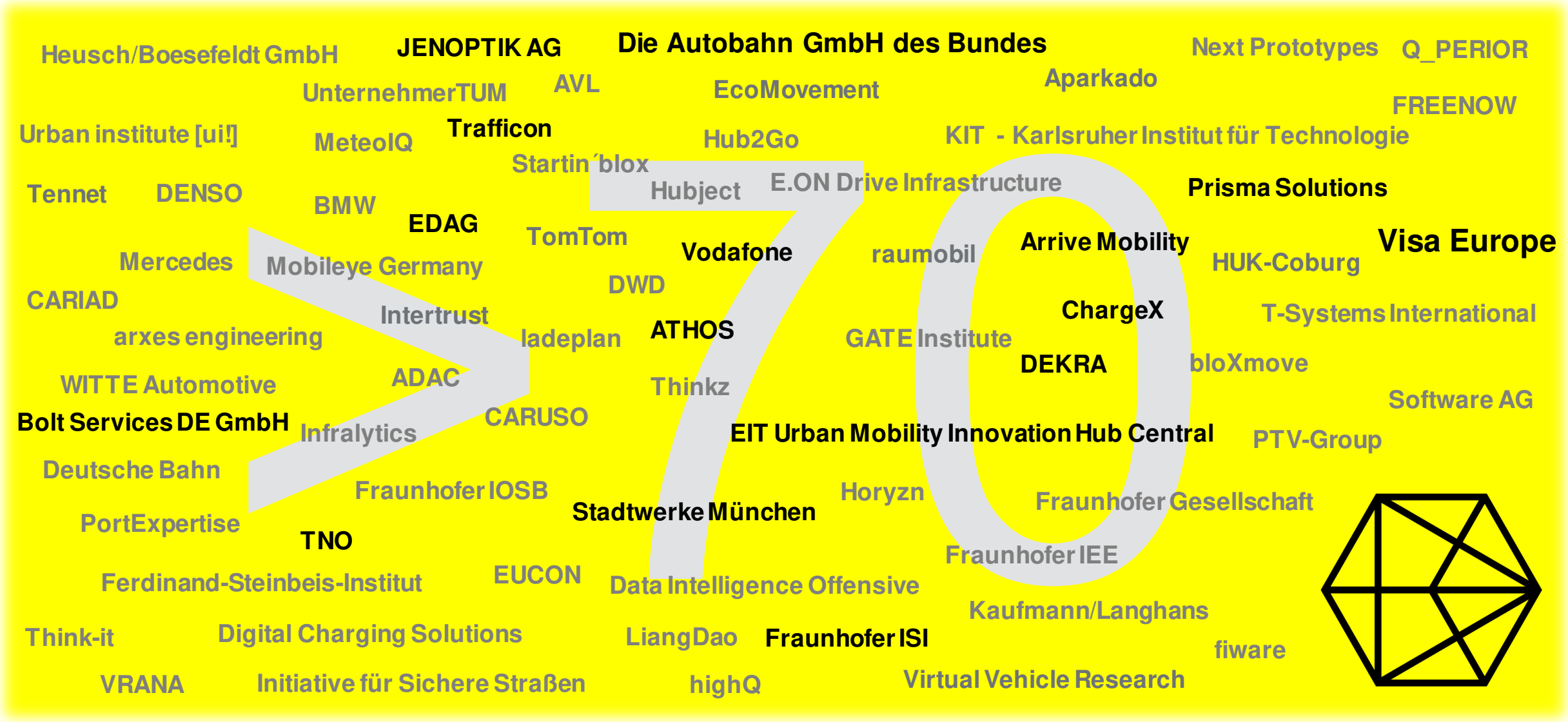
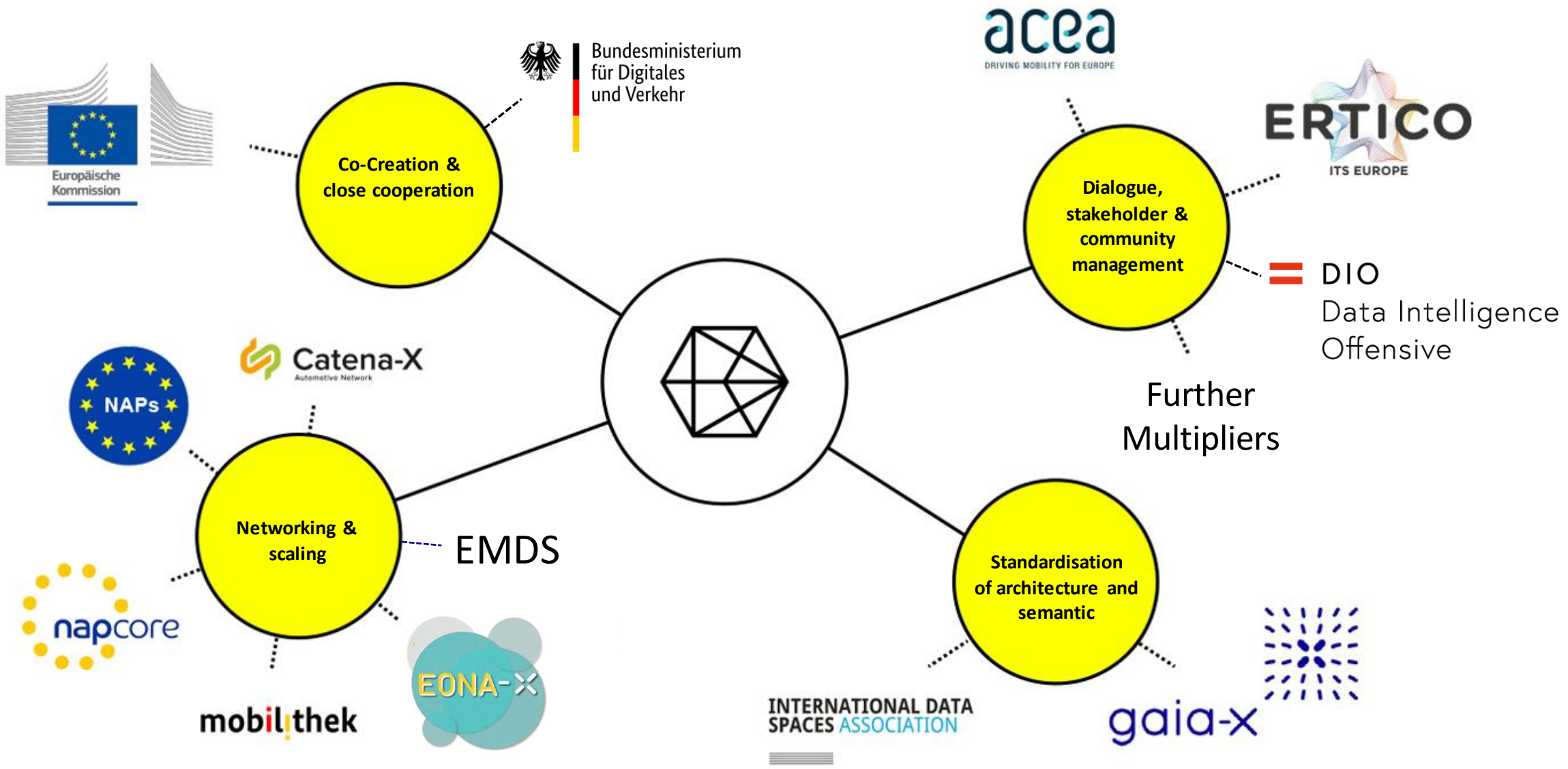


Europeanisation and networking



Formula for innovative mobility solutions

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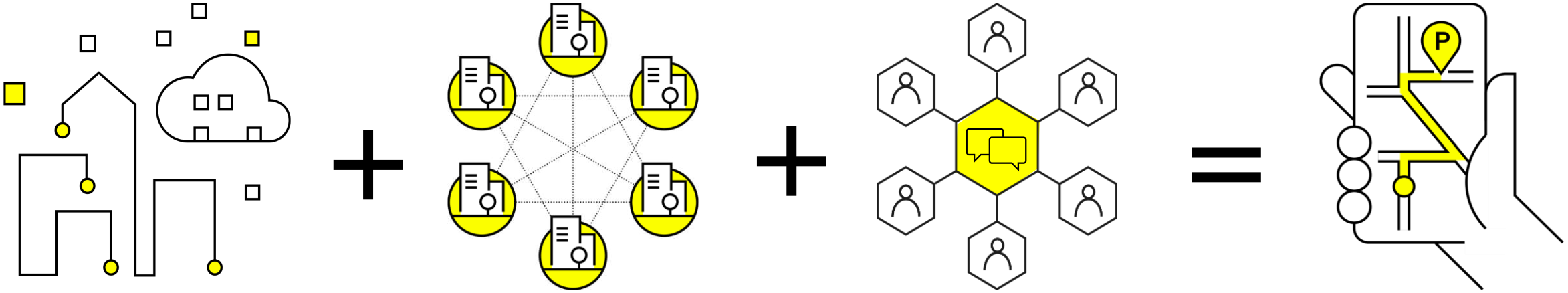

Mobility relevant data + **Decentralised, state of the art infrastructure** + **Trustworthy Community** = **Innovative solutions**

GAIA-X is capable to promote data spaces in all three categories, thereby contributing to **digital, innovative solutions across all domains – and thereby support the scaling of the data economy itself**

Horizontal & Vertical Interoperability

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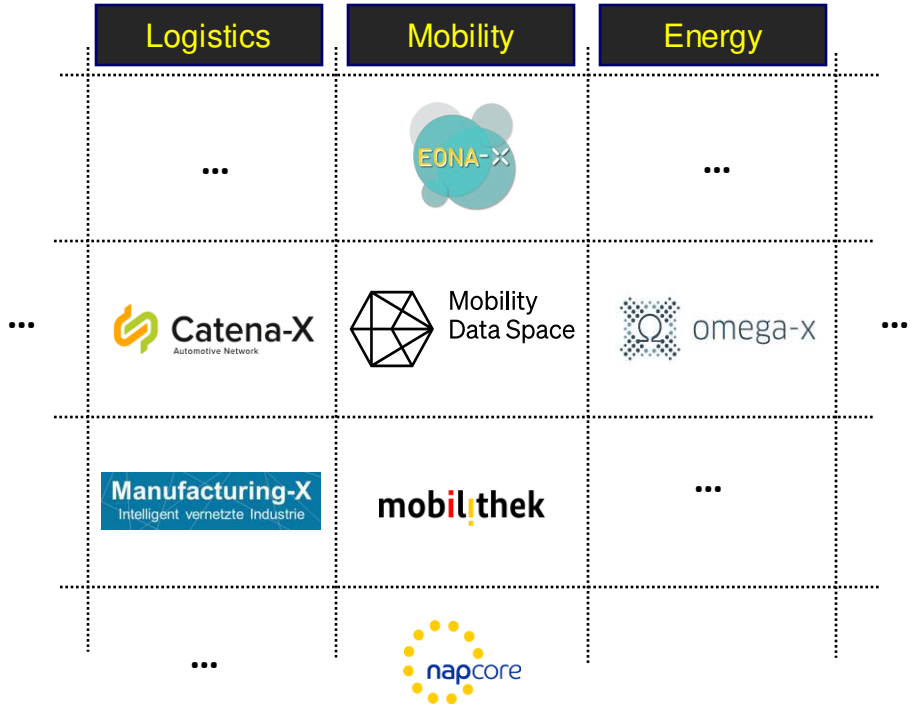
Intra- and cross-domain Interoperability



Interoperability between dataspaces is key.
GAIA-X enables dataspaces to expand their business intra- and cross their domain.

Big scale - Use Cases (exemplary)

Smart City & rural area Mobility

Digitization of infrastructure

Autonomous drones, charging infrastructure, public transport on demand, intermodal mobility,…

Charging Station POI

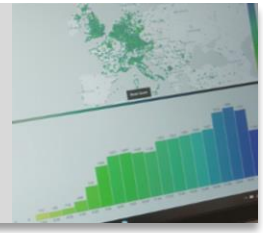
Improve acceptance of e-mobility

Real time availability of free charging stations, reduction of inner-city charging station search traffic,…

CO_2 Management

CO2 mobility calculator

Data from manufacturing lifecycle, until the last mile of mobility is required to enable an individual CO_2 footprint calculation,…



Thank you!

Contact Details