

# Data Spaces Discovery Day

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## Gaia-X 4 Future Mobility Project Family Applications & services for mobility

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msg systems ag

gaia-x  future mobility  
Gaia-X Lighthouse Project



Funded by  
the European Union  
NextGenerationEU

Supported by:



Federal Ministry  
for Economic Affairs  
and Climate Action

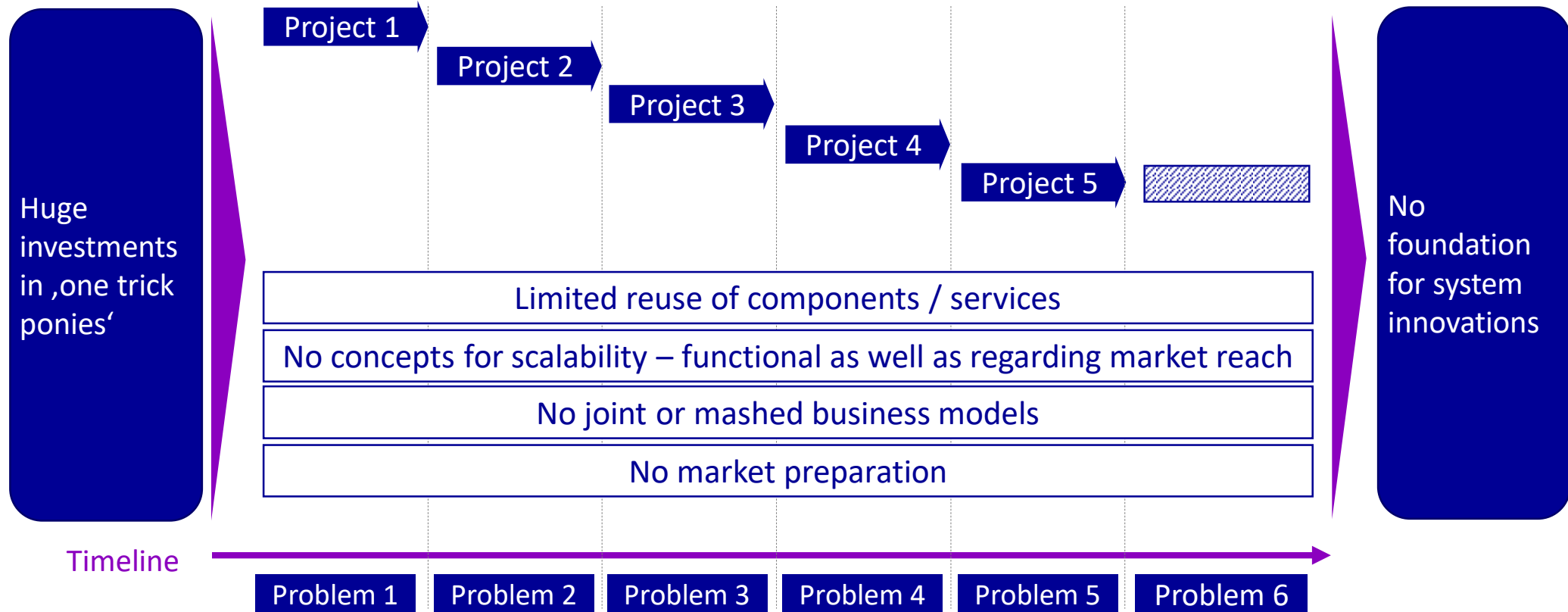
on the basis of a decision  
by the German Bundestag



gaia-x

# Several mobility-related Use Cases were addressed by different R&D Initiatives throughout the last years ...

## Previous Approach



... so far: huge effort and few practically relevant results

# Gaia-X 4 Future Mobility comprises of six family projects

More than 20 use cases from the projects

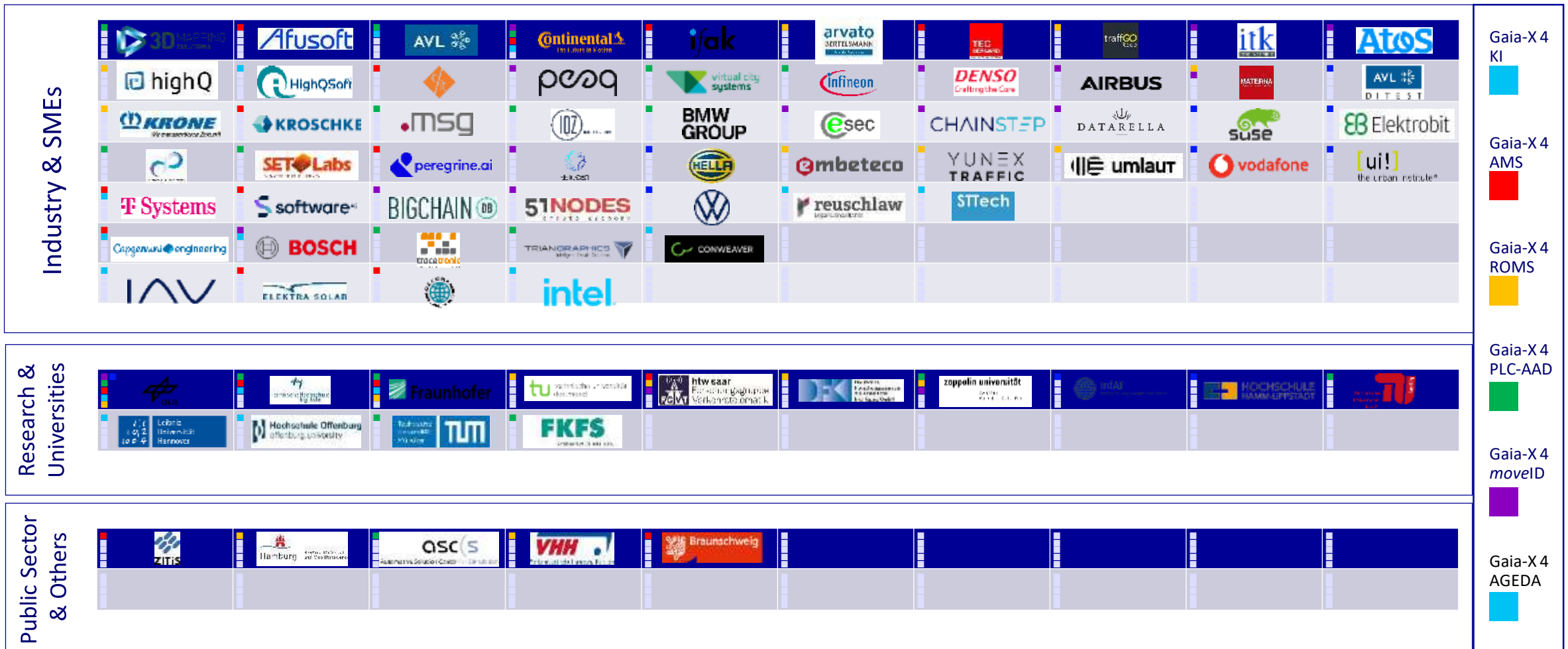


**Funded by the BMWK** (German Federal Ministry of Economics and Climate Protection)

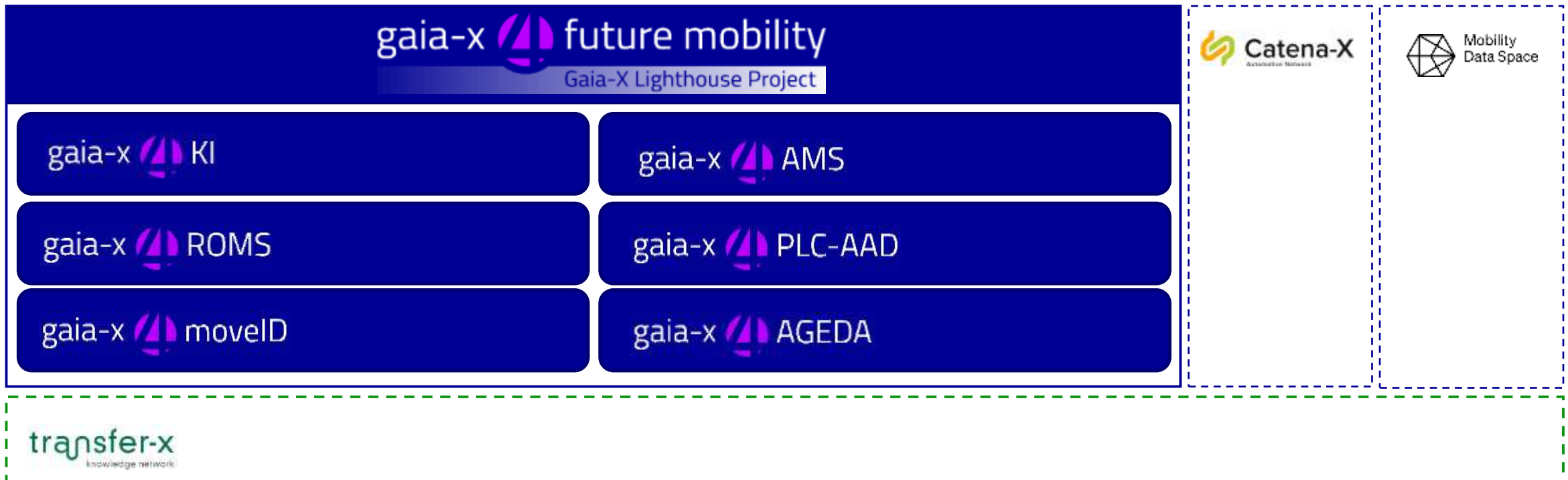
**Coordination: DLR**  
Institute for AI Safety and Security

- Together, we build an open and decentralized dataspace in which scalable applications and data are securely provided.
- This includes applications and services for manufacturing and operations, but also for the overall mobility system, such as parking management or road condition monitoring. <https://www.gaia-x4futuremobility.de/en/home>

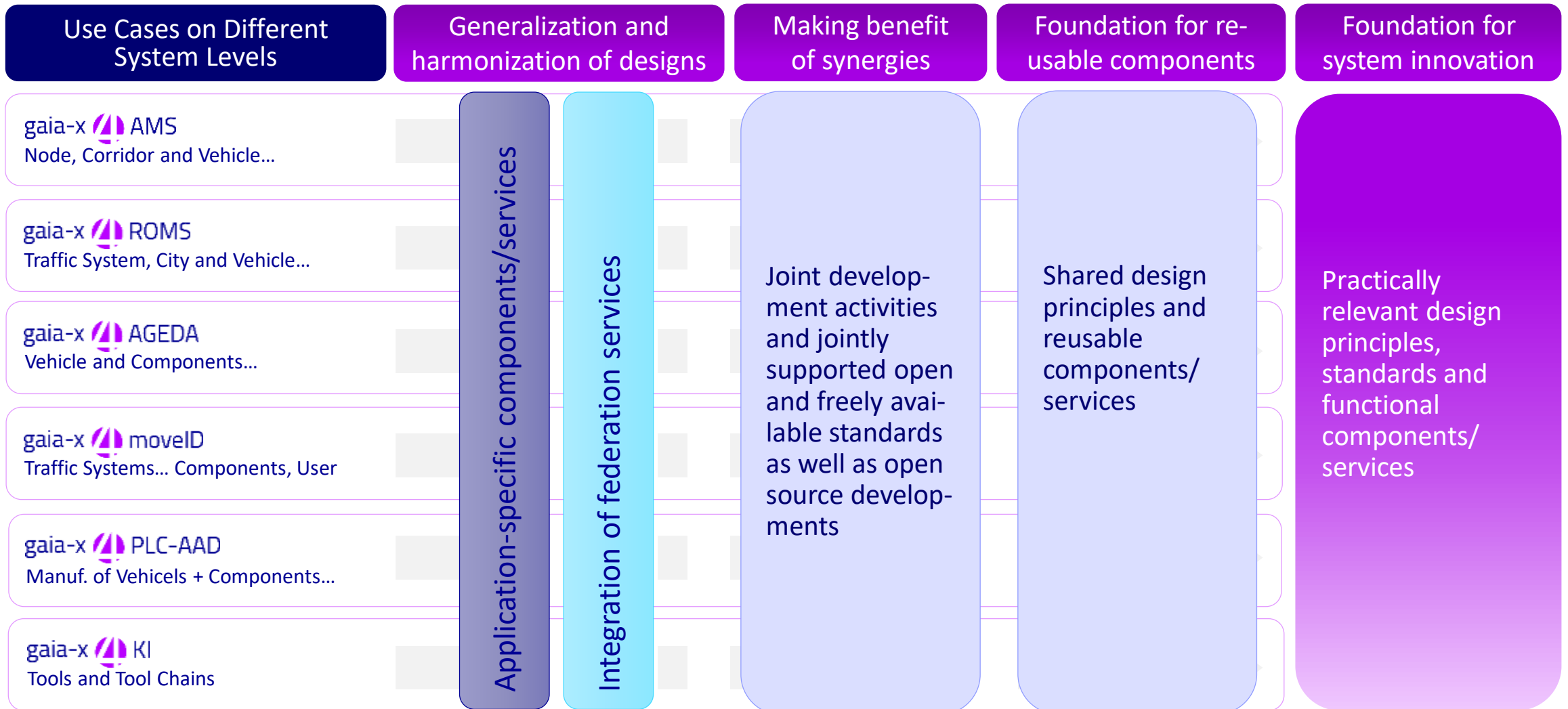
# Partners: More than 80 Partners and ~10K Person Months



# GX4FM Project Family – Domains and Initiatives relation

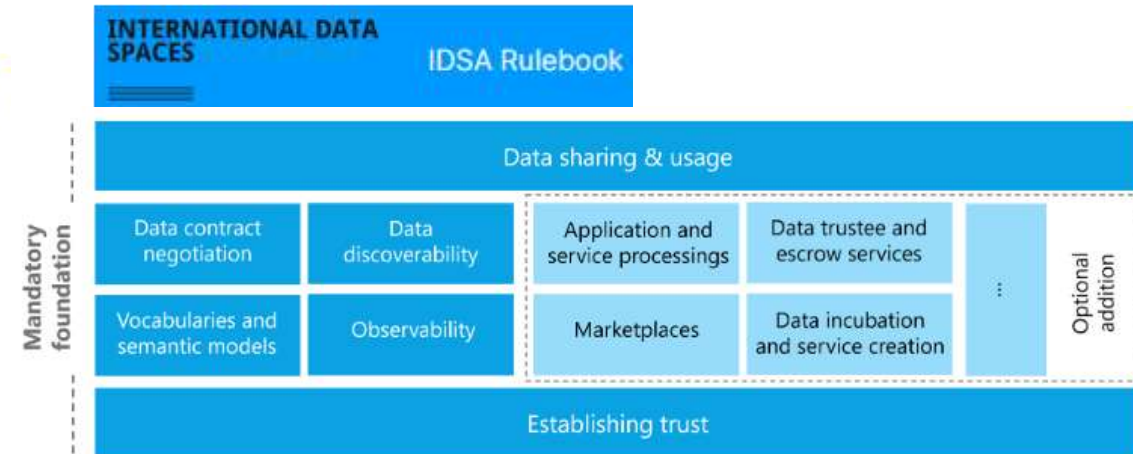
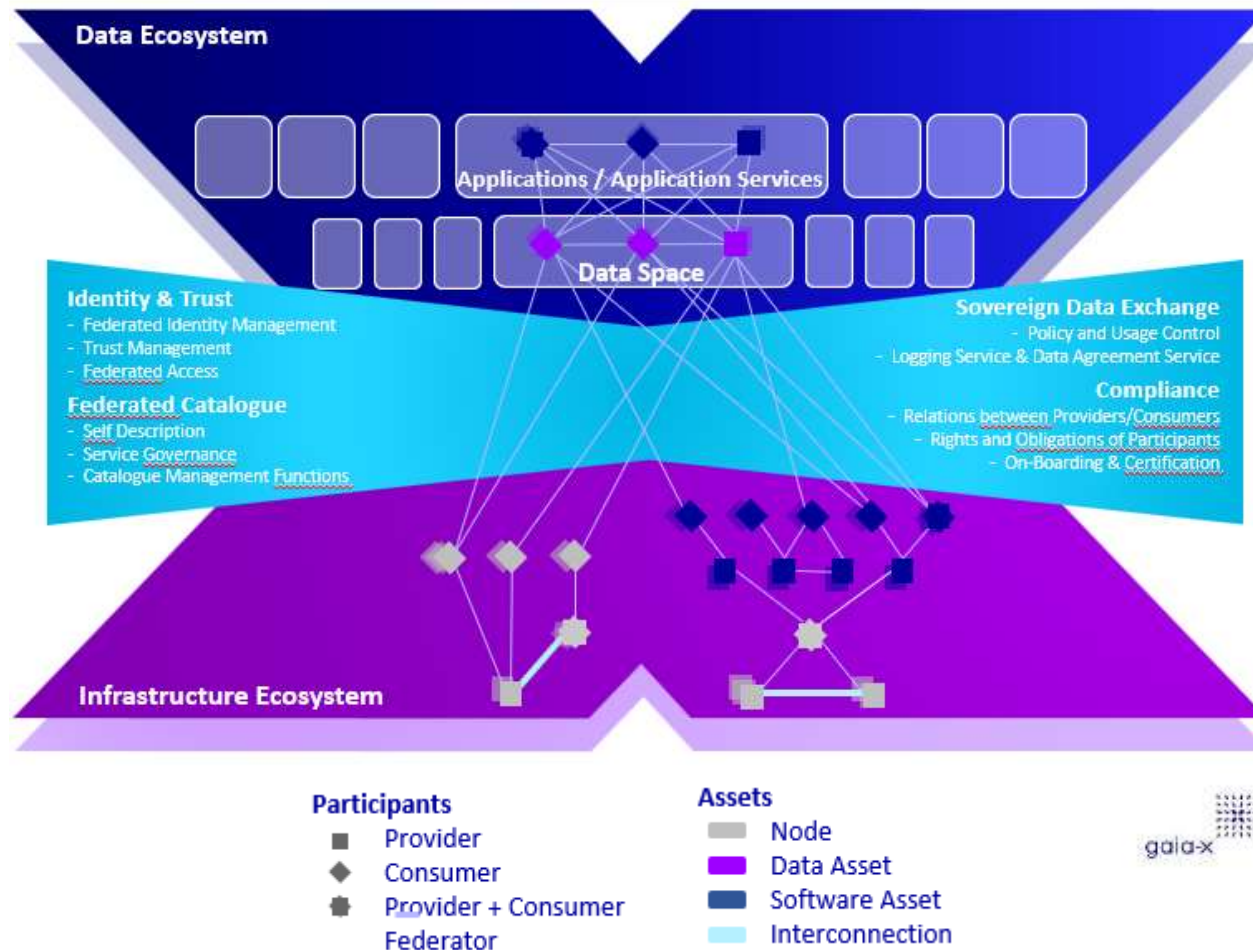


# Family of Projects – Synergies by Design



# Our Guiding Principles - Interweaving architectures

Governance Framework: Gaia-X Policy Rules and Gaia-X Architecture of Standards



Foundational Concepts in data spaces

## Dataspace Core components

- Marketplace(s)/Portal
- Federated Catalogs
- Self Descriptions
- Semantic models
- SSI, Trust Anchor(s)
- EDC Connectors with extensions (where needed)


# gaia-x future mobility

Gaia-X Lighthouse Project

The family of projects consists of

gaia-x  KI

gaia-x  AMS

gaia-x  ROMS

gaia-x  moveID

gaia-x  PLC-AAD

gaia-x  AGEDA

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