

# Federal Ministry of Economic Affairs & Climate Action (BMWi)

## GAIA-X lighthouse projects in the skill/edu domain – 2 of 16

**MERLOT**

Overall volume:  
**13.3 Mio Euro**

Running time:  
**Q1/2022- Q4/2024**

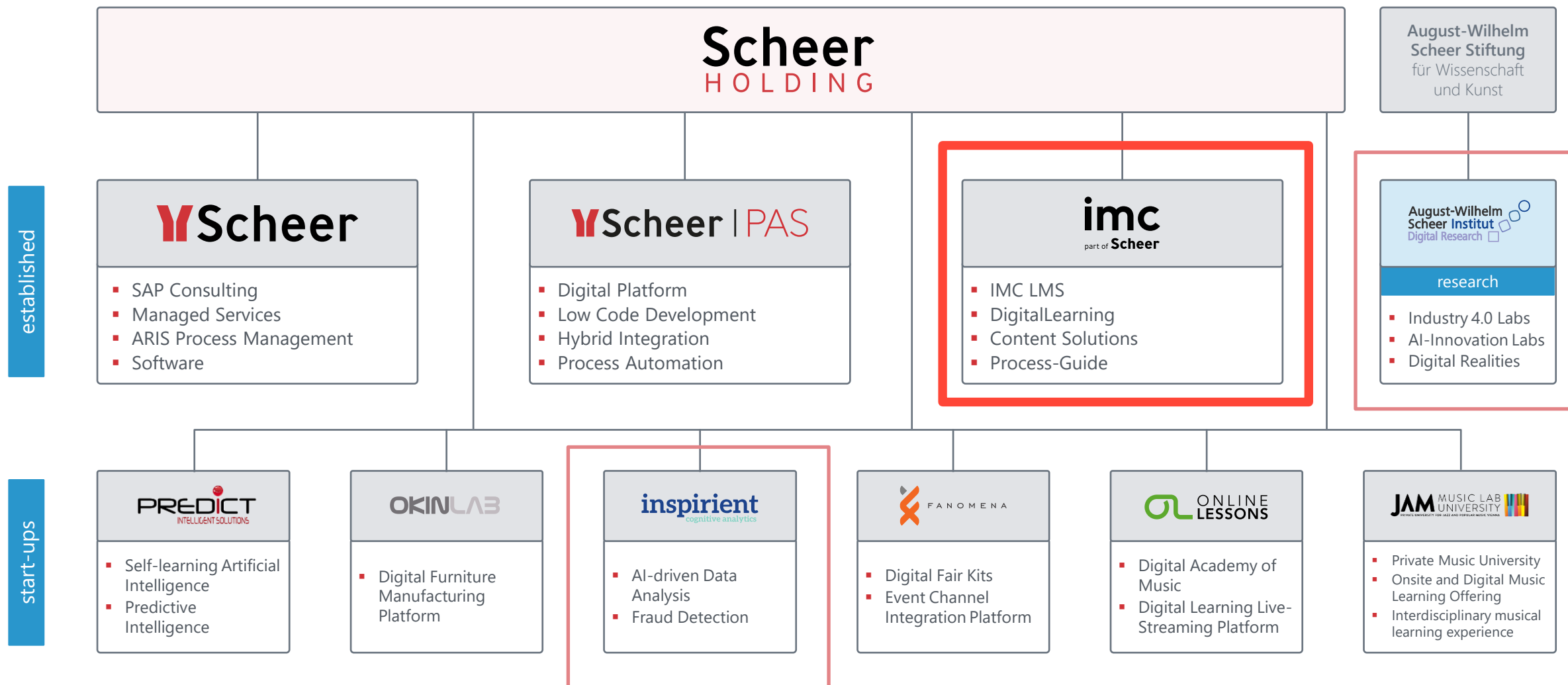


**POSSIBLE**

Overall volume:  
**22.5 Mio Euro**

Running time:  
**Q1/2022- Q4/2024**

# Scheer Holding



**MERLOT –**  
MarkEtplace foR  
LifelOng  
educaTional  
dataspaces and  
smart service  
provisioning

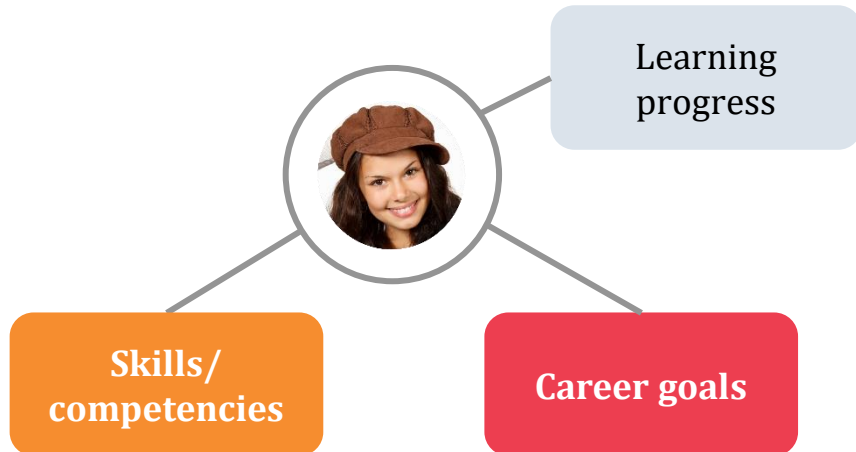
DSBC Education & Skills

Jan 13<sup>th</sup> 2022

Dr. Helko Lehmann

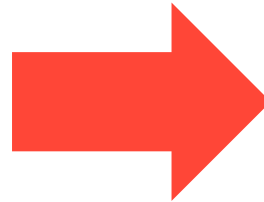
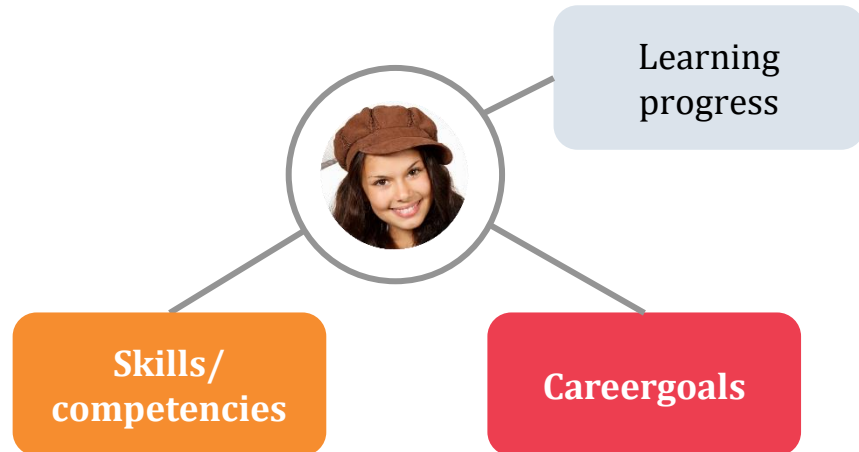
# From *data silos* to *data spaces*

Personal education related data is **highly vulnerable**, therefore locked in *data silos* of institutions

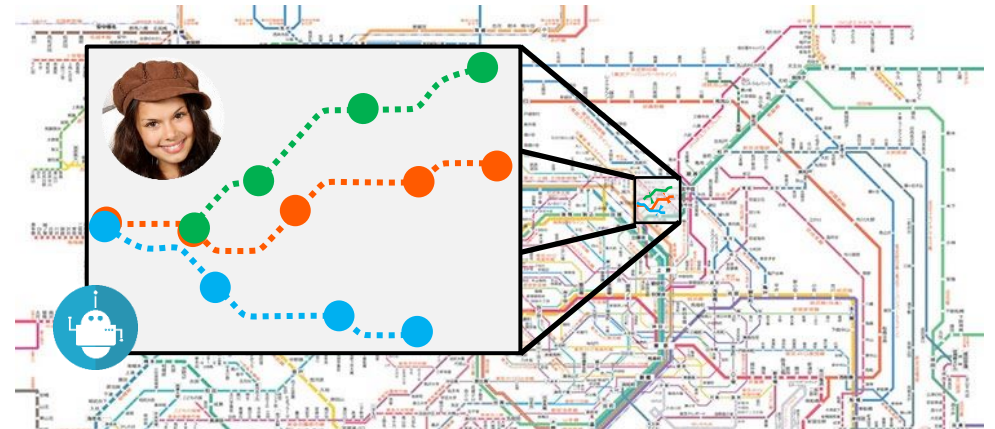


# From *data silos* to *data spaces*

Personal education related data is **highly vulnerable**, therefore locked in *data silos* of institutions



**AI education revolution** through personal adaptive tools and assistance depends on **access to data** in *secure data spaces*



# From *blackboard* to education data economy

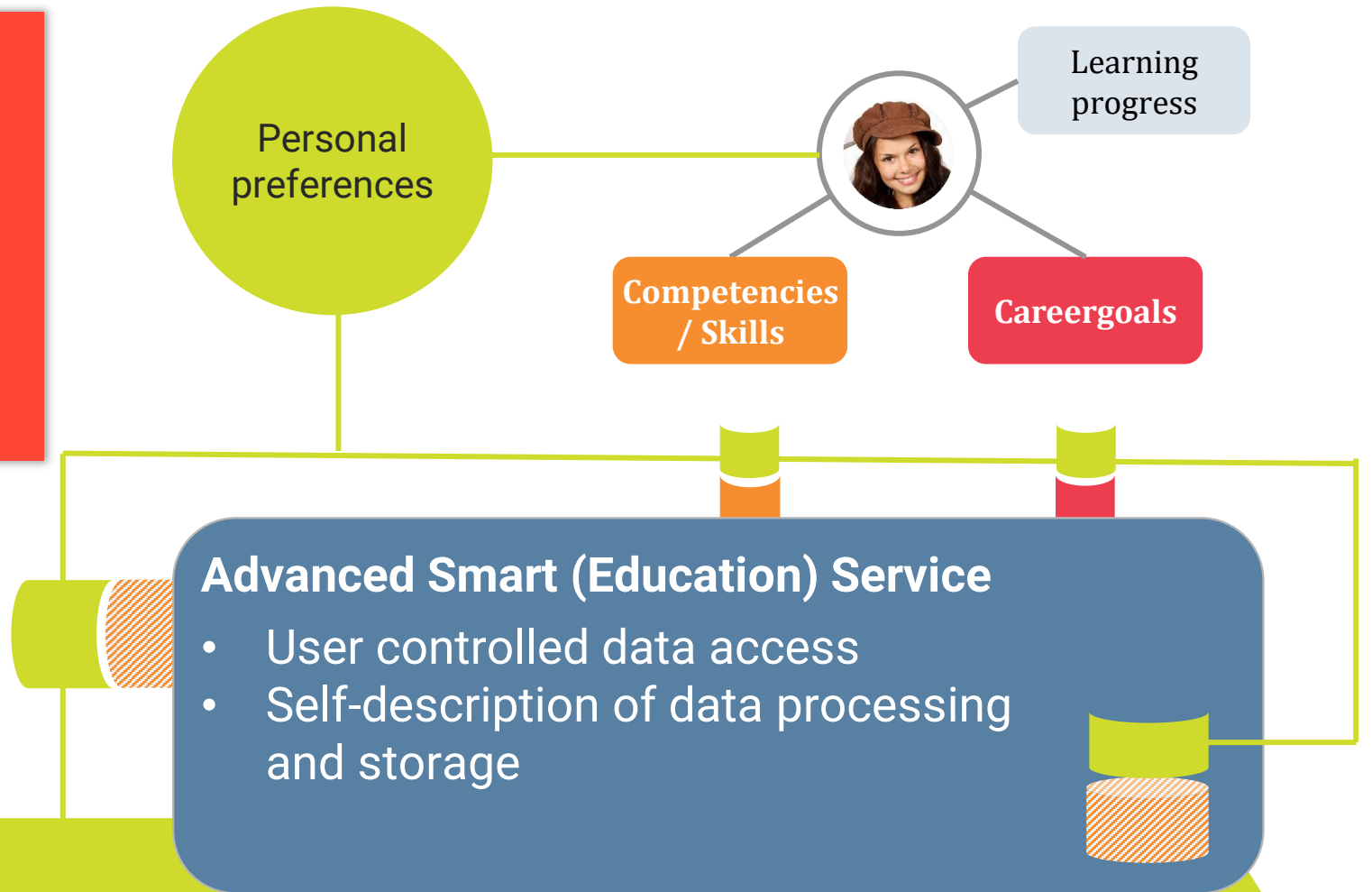
## Principles:

- data protection and data sovereignty
- Interoperability

# From *blackboard* to education data economy

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# From *blackboard* to education data economy

## Principles:

- data protection and data sovereignty
- Interoperability
- **data-related business models**

## Advanced Smart (Education) Service

- User controlled data access
- Self-description of data processing/storage

Gaia-X Federation Services



# From *blackboard* to education data economy

## Principles:

- data protection and data sovereignty
- Interoperability
- **data-related business models**

MERLOT Advanced Smart  
(Education) Service

## Advanced Smart (Education) Service

- User controlled data access
- Self-description of data processing/storage
- **Dataspace conform interfaces**
- Interoperability of business models

Gaia-X Federation Services

# From *blackboard* to education data economy

## Principles:

- data protection and data sovereignty
- Interoperability
- **data-related business models**

Administration  
platforms –  
schools

LMS – schools,  
higher education,  
companies

Vocational  
training and  
career portals

Corporate skill &  
competency  
management

Vocational  
training providers



(Education-)service providers

Gaia-X Federation Services

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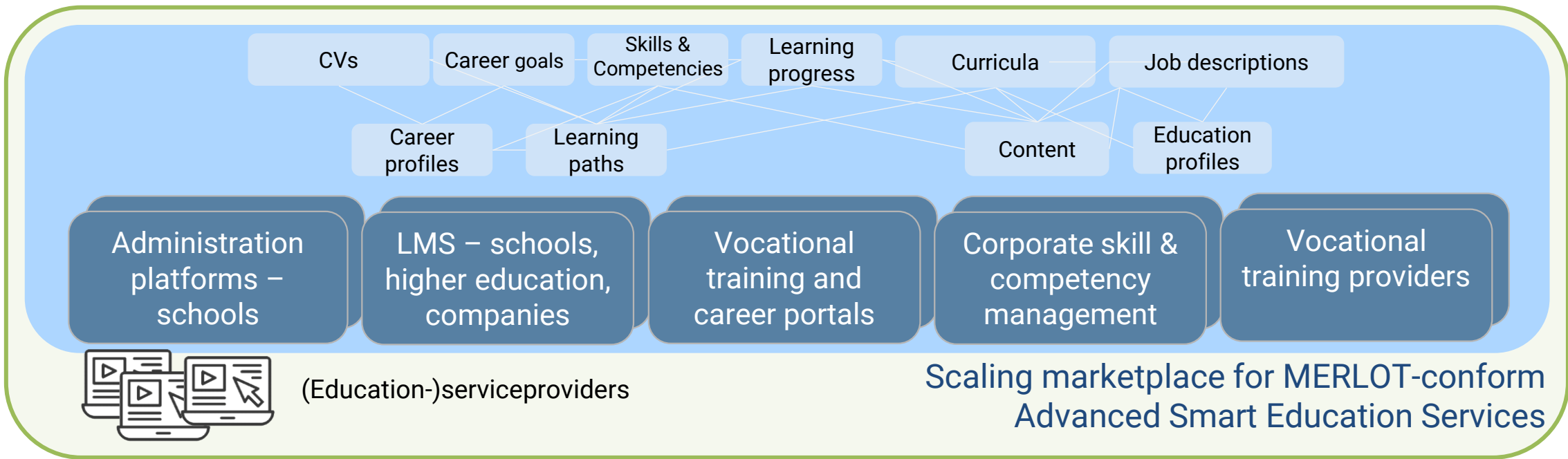
(Education-)service providers

Scaling marketplace for MERLOT-conform  
Advanced Smart Education Services

Gaia-X Federation Services

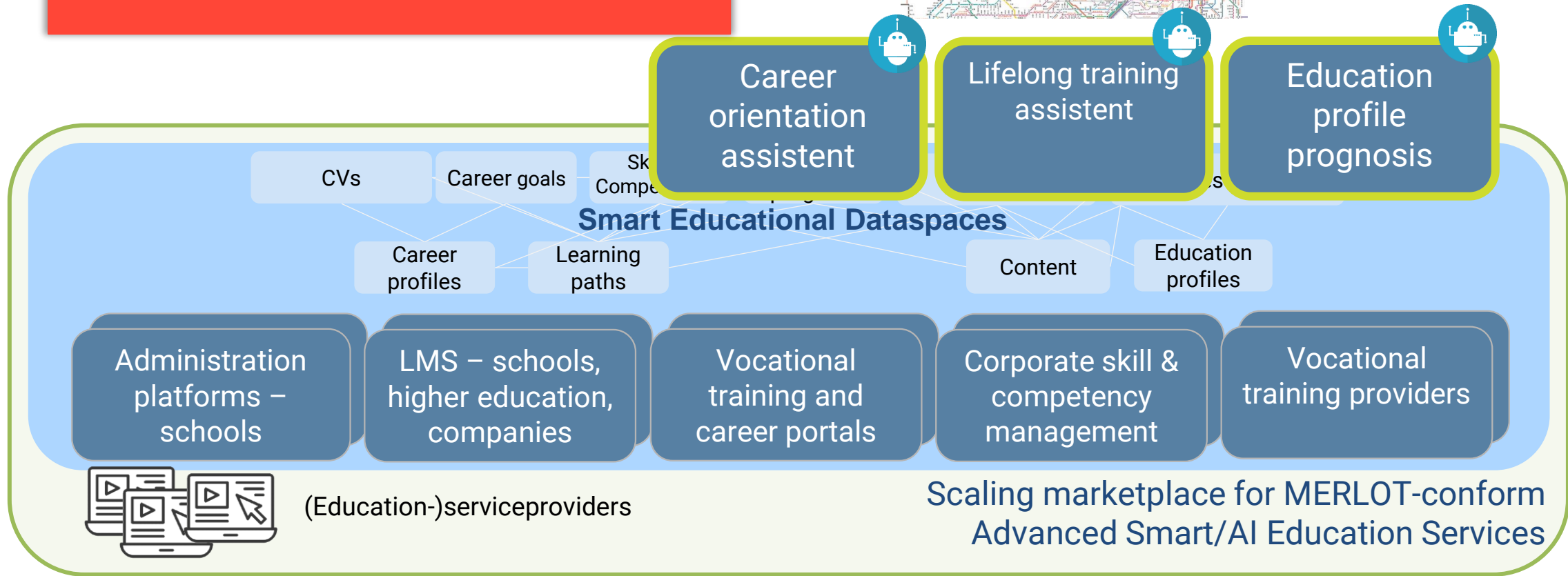
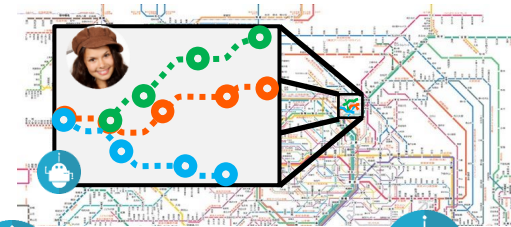
# From *blackboard* to education data economy

## Emerging smart education dataspaces

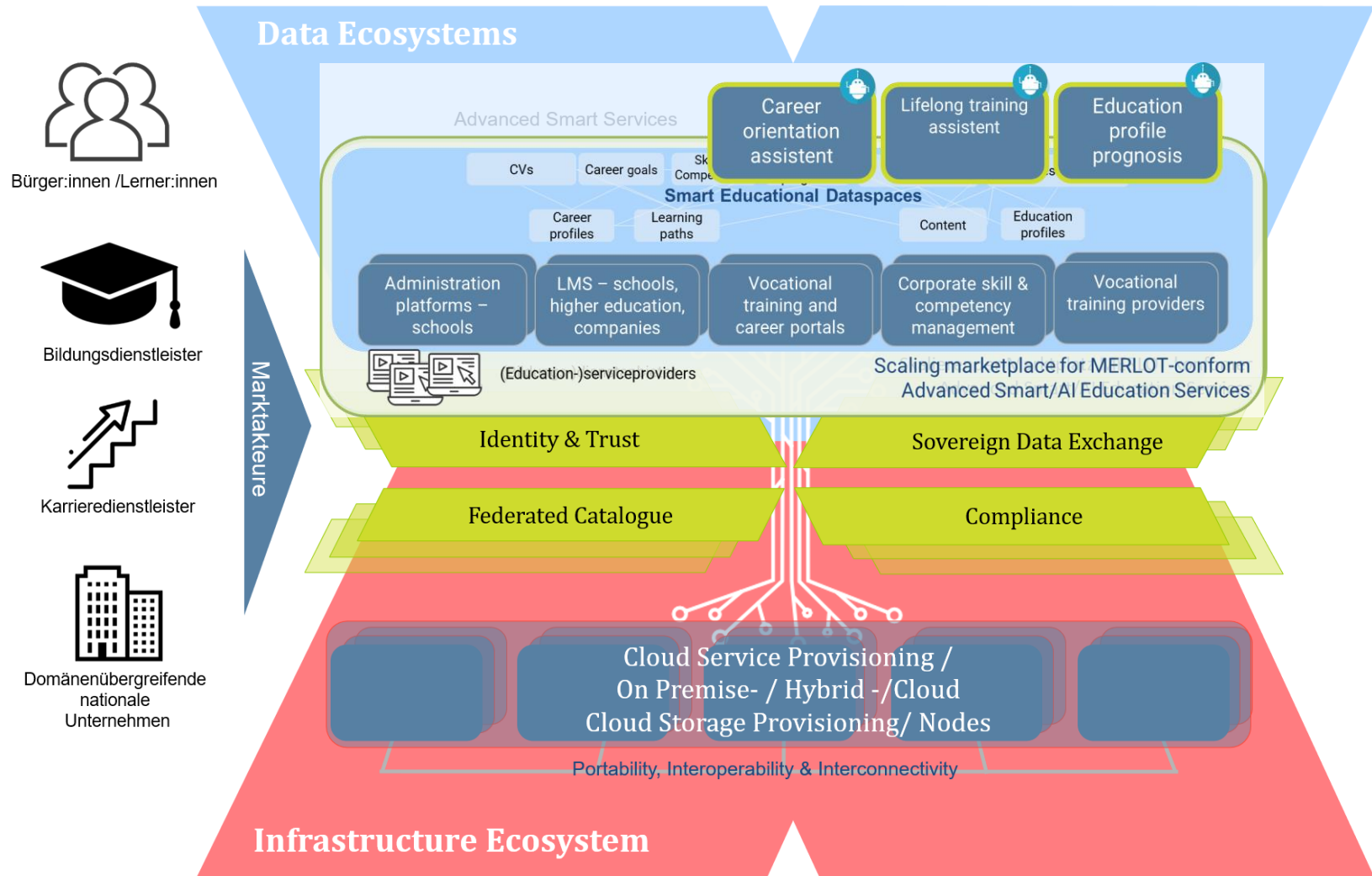


# From *blackboard* to education data economy

## AI-based education services



# Education data spaces with GAIA-X



# Thank you for your attention!

# Consortium & roles

