CyclOps

Project Overview

Monica Caballero -Project Coordinator

NTT DATA

Funded by the European Union

Automated end-to-end data life cycle management for FAIR data integration, processing and re-use

Key facts

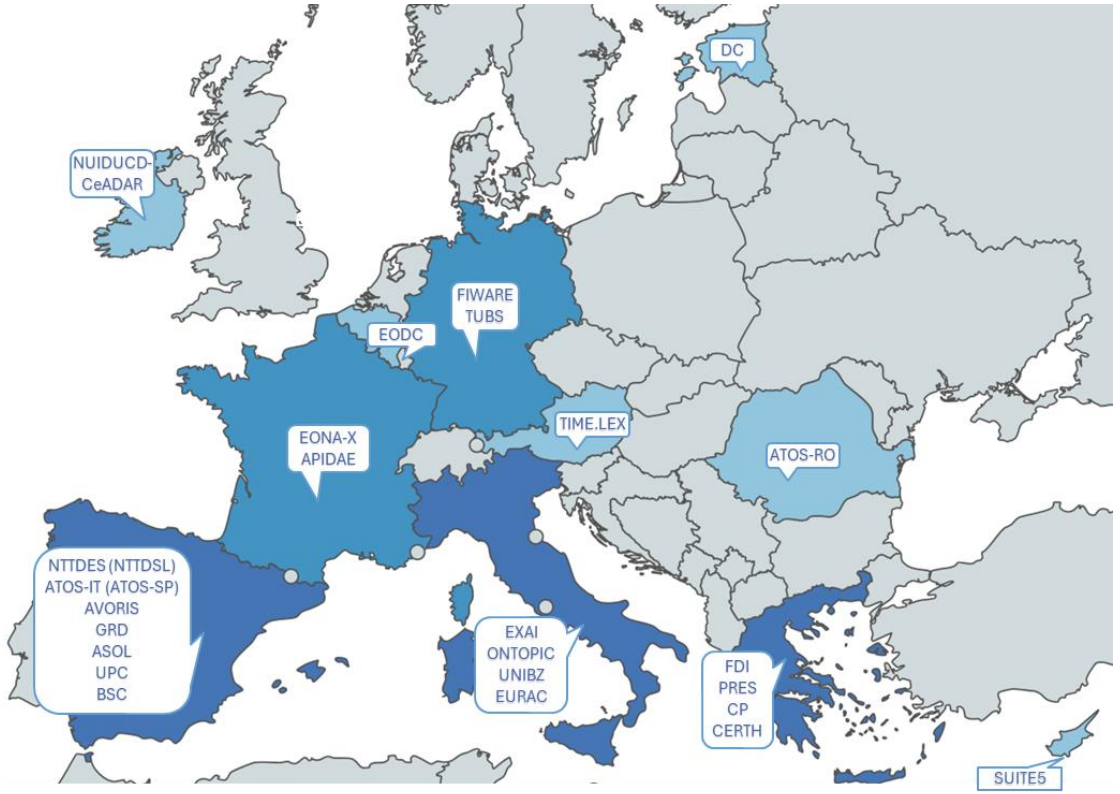
HORIZON-CL4-2023-DATA-01-02
GA number: 101135513

Duration: 36 months
Starting date: 1 January 2024
Ending date: 31 December 2026

Budget 8.894.072,50 €
EU funding 8.894.072,50 €

24 partners from 11 countries

- **5 Large Companies**
  - *NTTDES (+ NTTDSL), EXAI, ATOS-IT (+ ATOS-RO, ATOS-SP), AVORIS, GRD*
- **8 Research institutes and Universities**
  - *UPC, NUIDUCD-CeADAR, UNIBZ, BSC, CERTH, TUBS, EURAC, EODC*
- **9 SMEs**
  - *SUITE5, DC, FDI, ONTOPIC, TIME.LEX, ASOL, APIDAE, PRES, CP*
- **2 Associations**
  - *EONA-X, FIWARE*



Aim and Objective

AIM

Facilitate the adoption and production of data, models, and services **from and for data spaces** to enable AI-based data-driven applications for all players, business and research alike

OBJECTIVE

Provide **interoperable**, **trustworthy** and **secure** automatic management, governance, and maintenance of the entire data life cycle for large-scale volumes of data generated in heterogeneous distributed sources to **enable data sharing and exchange in data spaces**

Challenges addressed

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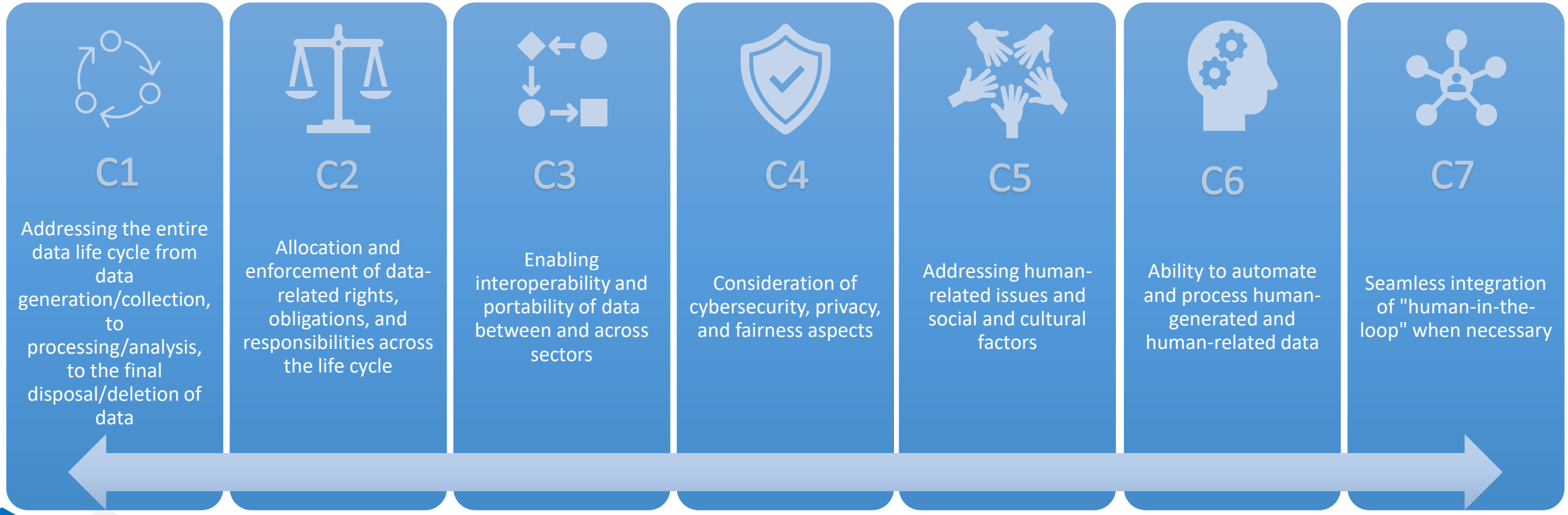
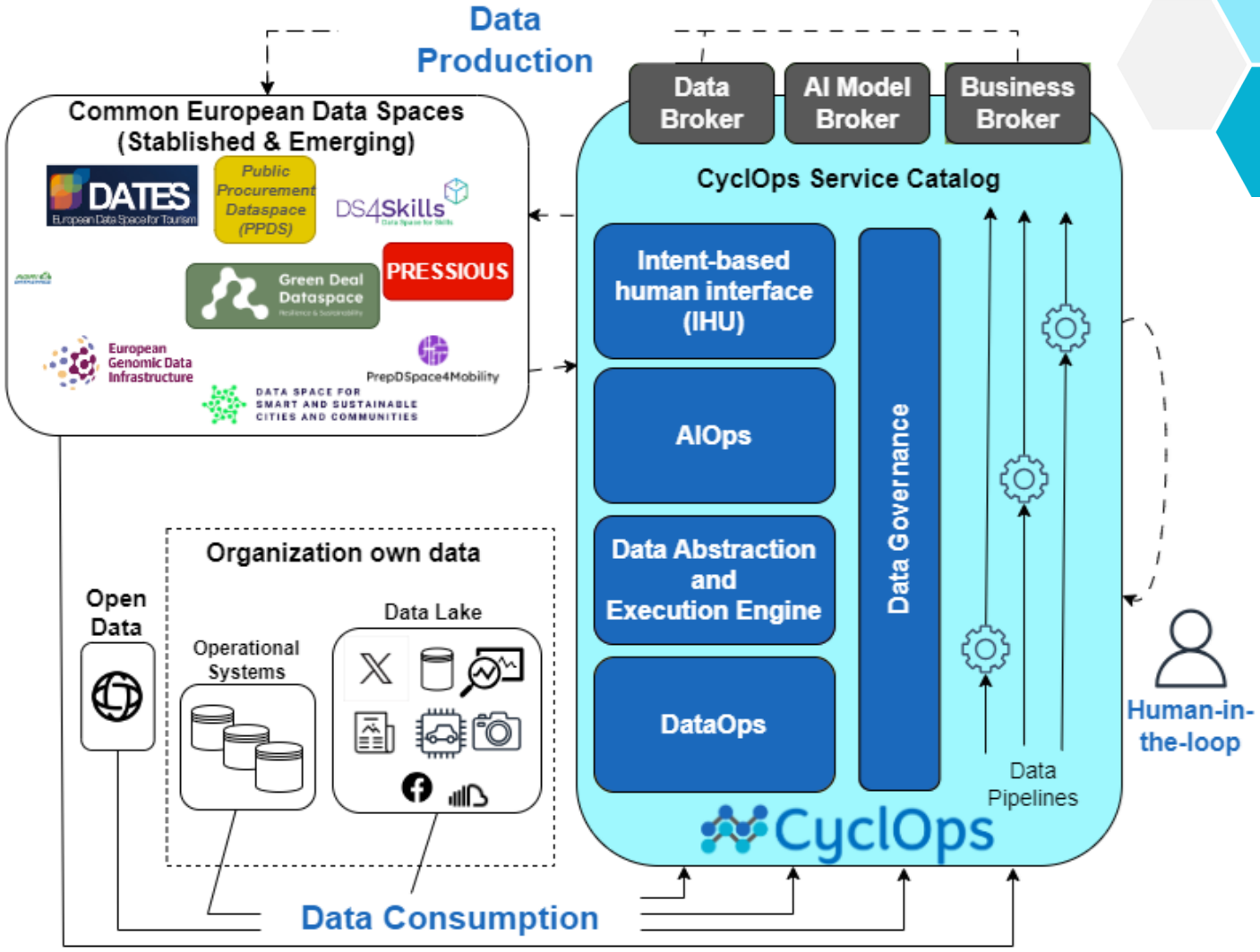
Challenges Addressed



Specific Objectives & Expected Results

1 CyClops platform to automate generation of data processing pipelines

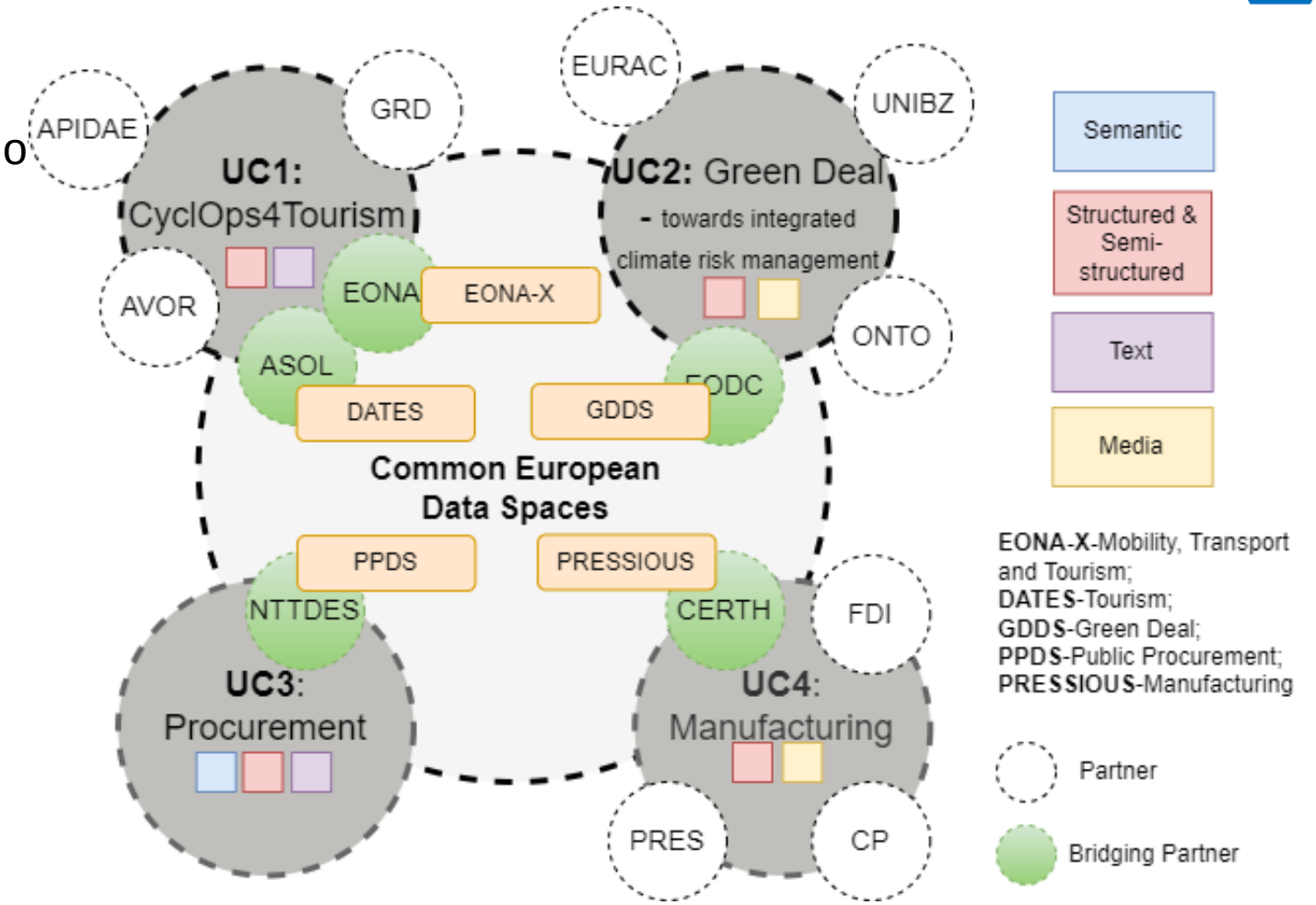
From the consumption of data from multiple sources to the serving of data, models, and services ready for data spaces



Specific Objectives & Expected Results

1. CyClops platform to automate generation o data processing pipelines
   - From the consumption of data from multiple sources to the serving of data, models, and services ready for data spaces

2. Deployment of 4 Use Cases linked to the potential future EU Data Spaces
   - Tourism and Mobility, Green Deal, Public Procurement & Manufacturing



Specific Objectives & Expected Results

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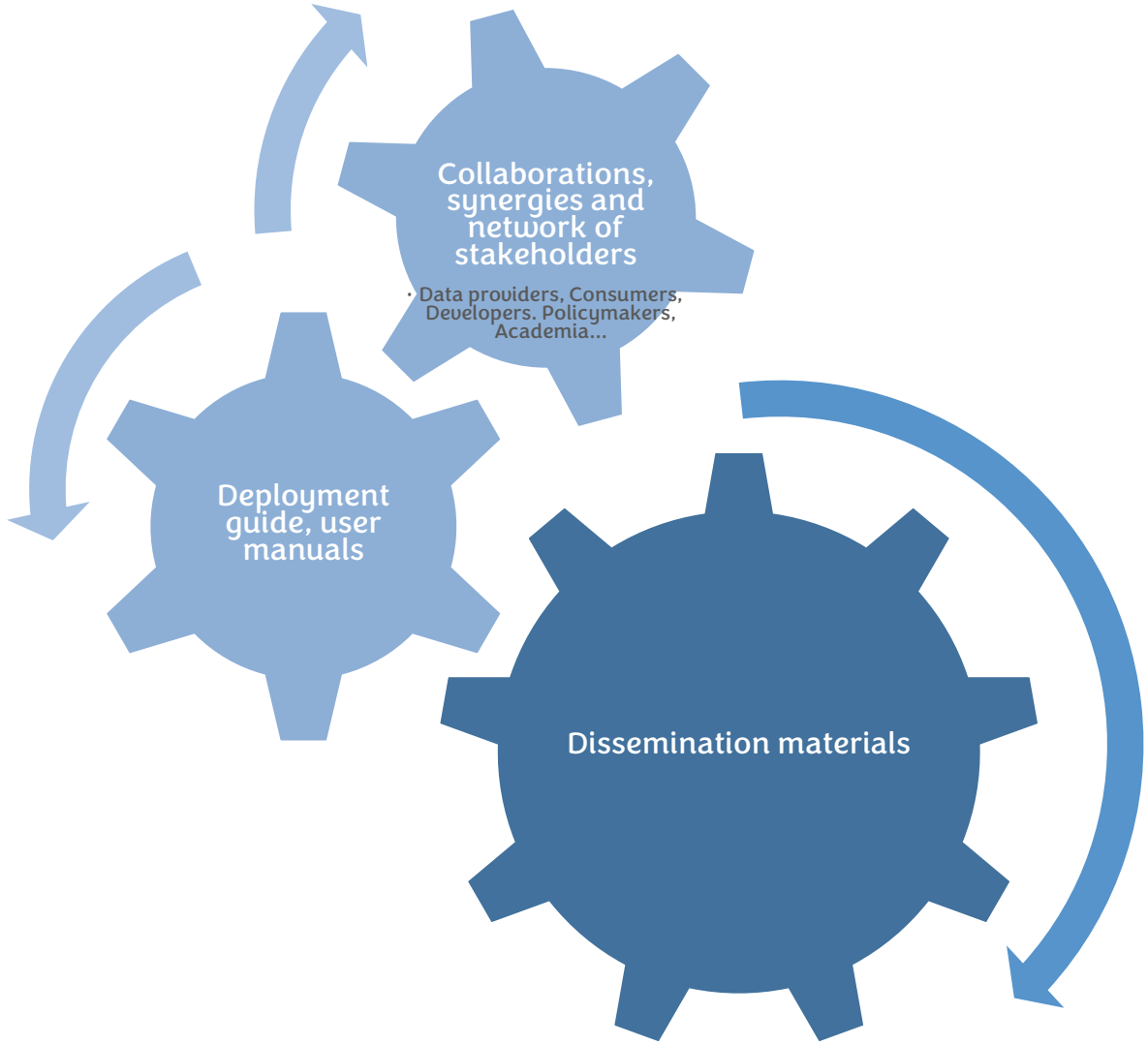
2 Deployment of 4 Use Cases linked to the potential future EU Data Spaces

Tourism and Mobility, Green Deal, Public Procurement & Manufacturing

3 Leveraging and engagement with European data sources and services

Building an open ecosystem of stakeholders to increase the impact and relevance of CyclOps.



Impact

SCIENTIFIC

Unconstrained Scientific Exploration beyond domains

Improved data space technologies and KG capabilities

Human-Centric Data Integration

ECONOMIC

Democratizing participation in the data economy

Facilitate the provision of data-based added-value services.

Increase EU global Competitiveness Through Data

SOCIETAL

Boost workforce skills, demand for professionals and new job opportunities

Build trust in data systems and promote public engagement in the digital economy

Alignment with Data Spaces and Collaboration needs

DATA SPACES SUPPORT CENTRE

Support and coordinates

Agriculture	
Cultural heritage	
Energy	
Financial	
Green Deal	Green deal data space Smart cities and communities
Health	European Health Data Space Cancer images Genomics
Language	
Industrial (manufacturing)	
Media	
Mobility	
Public Administrations	Legal Public procurement Security for innovation Once Only Technical System
Skills	
Research & Innovation- EOSC	
Tourism	

Integrate with Data Spaces about...

CyclOps

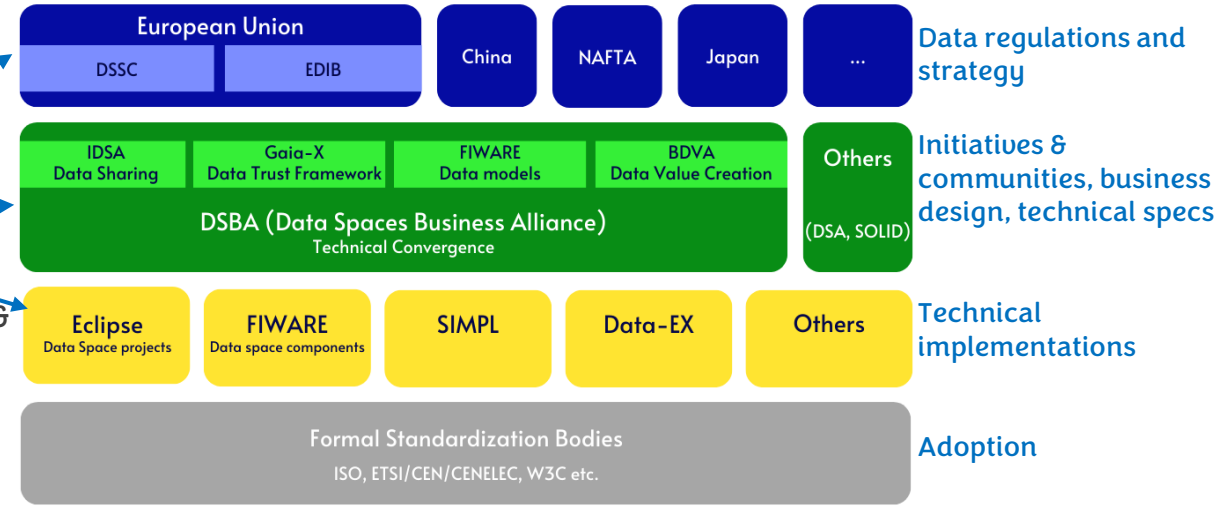
Follow

Propose

Provide & reuse

Monitor & Identify gaps

Data Spaces Landscape



Source: DSBA

CyclOps

Contact and more information

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https://www.cyclopsproject.eu

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