

# CyclOps



## Project Overview

Sergi Nadal



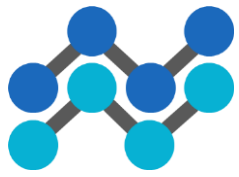
UNIVERSITAT POLITÈCNICA DE CATALUNYA  
BARCELONATECH

Facultat d'Informàtica de Barcelona



Funded by  
the European Union

Impulso definitivo a los Espacios de Datos - GAIA-X  
March 20<sup>th</sup> 2024. Barcelona



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

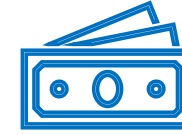
## Key facts



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

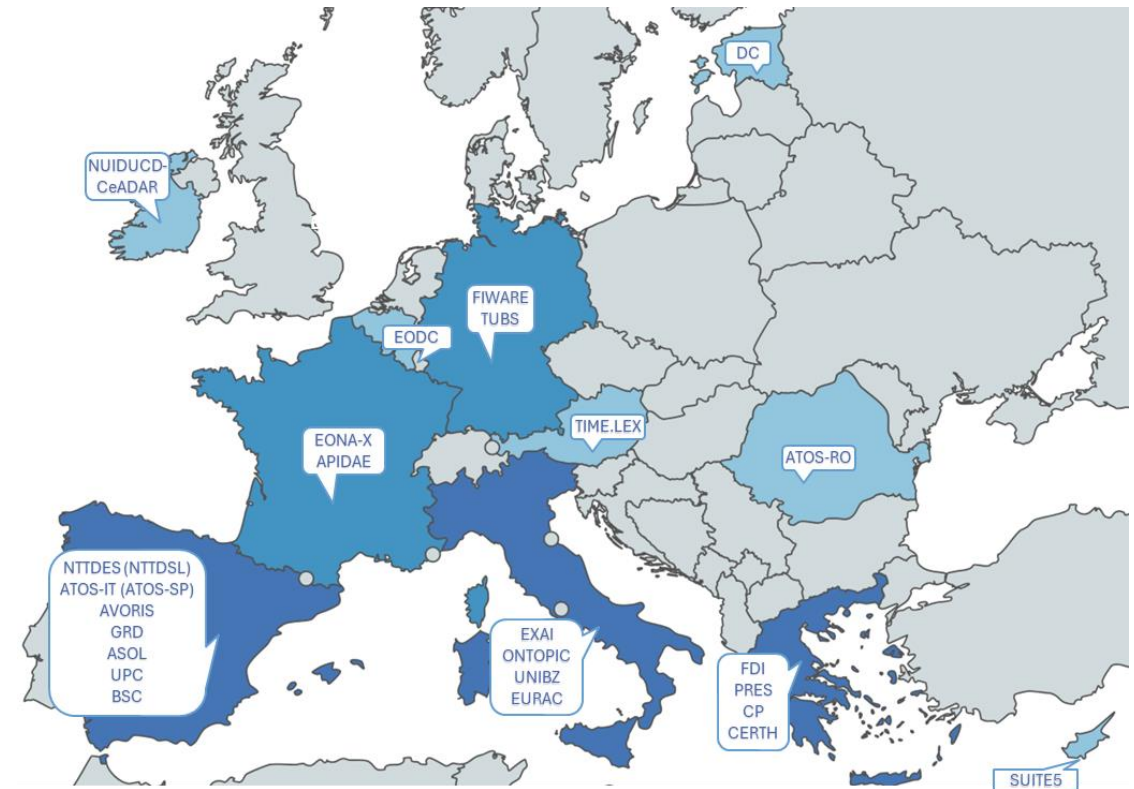
- *UPC, NUIDUCD-CeADAR, UNIBZ, BSC, CERTH, TUBS, EURAC, EODC*

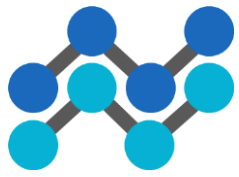
### ● 9 SMEs

- *SUITE5, DC, FDI, ONTOPIC, TIME.LEX, ASOL, APIDAE, PRES, CP*

### ● 2 Associations

- *EONA-X, FIWARE*





# Aim and Objective



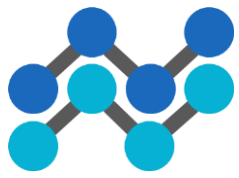
## AIM

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**

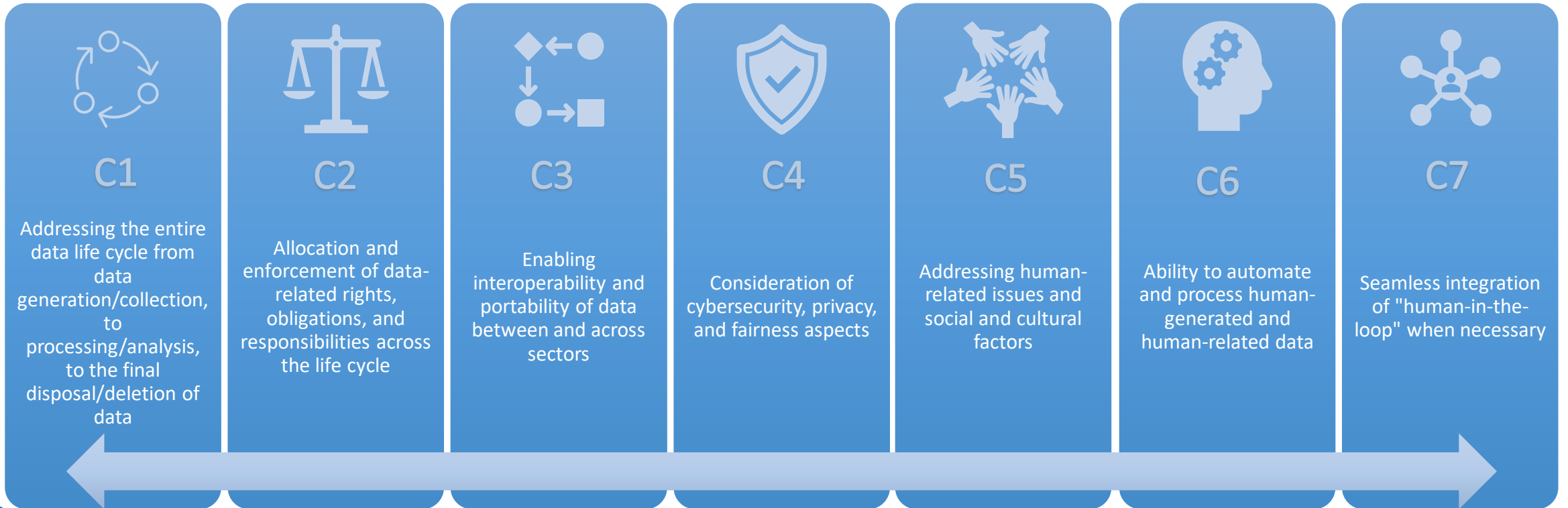


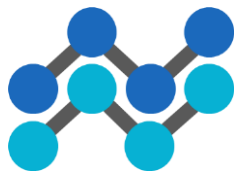


# Challenges addressed

**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

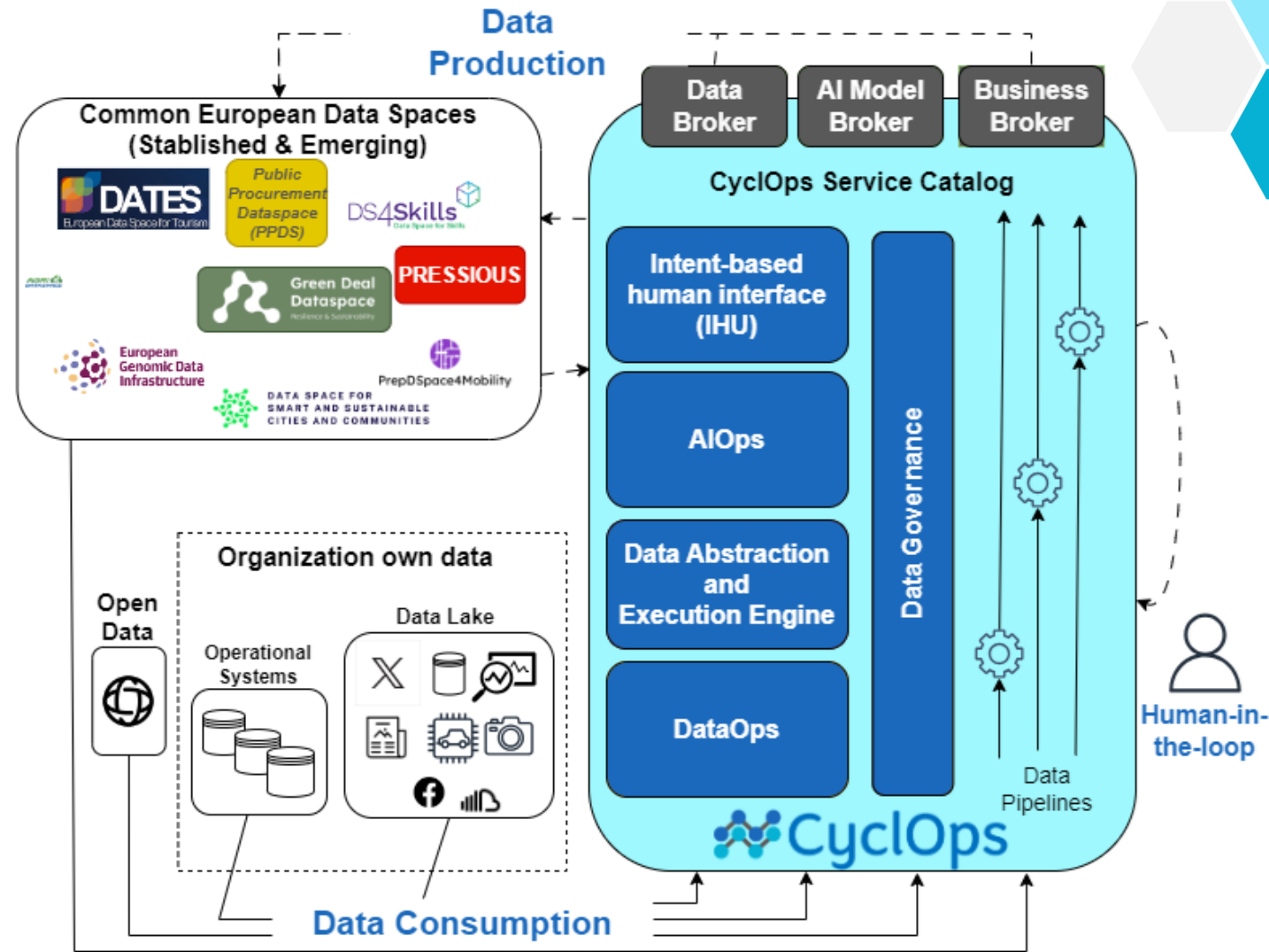


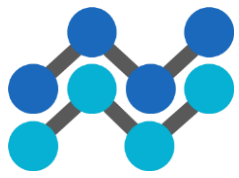


# Specific Objectives & Expected Results

## 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





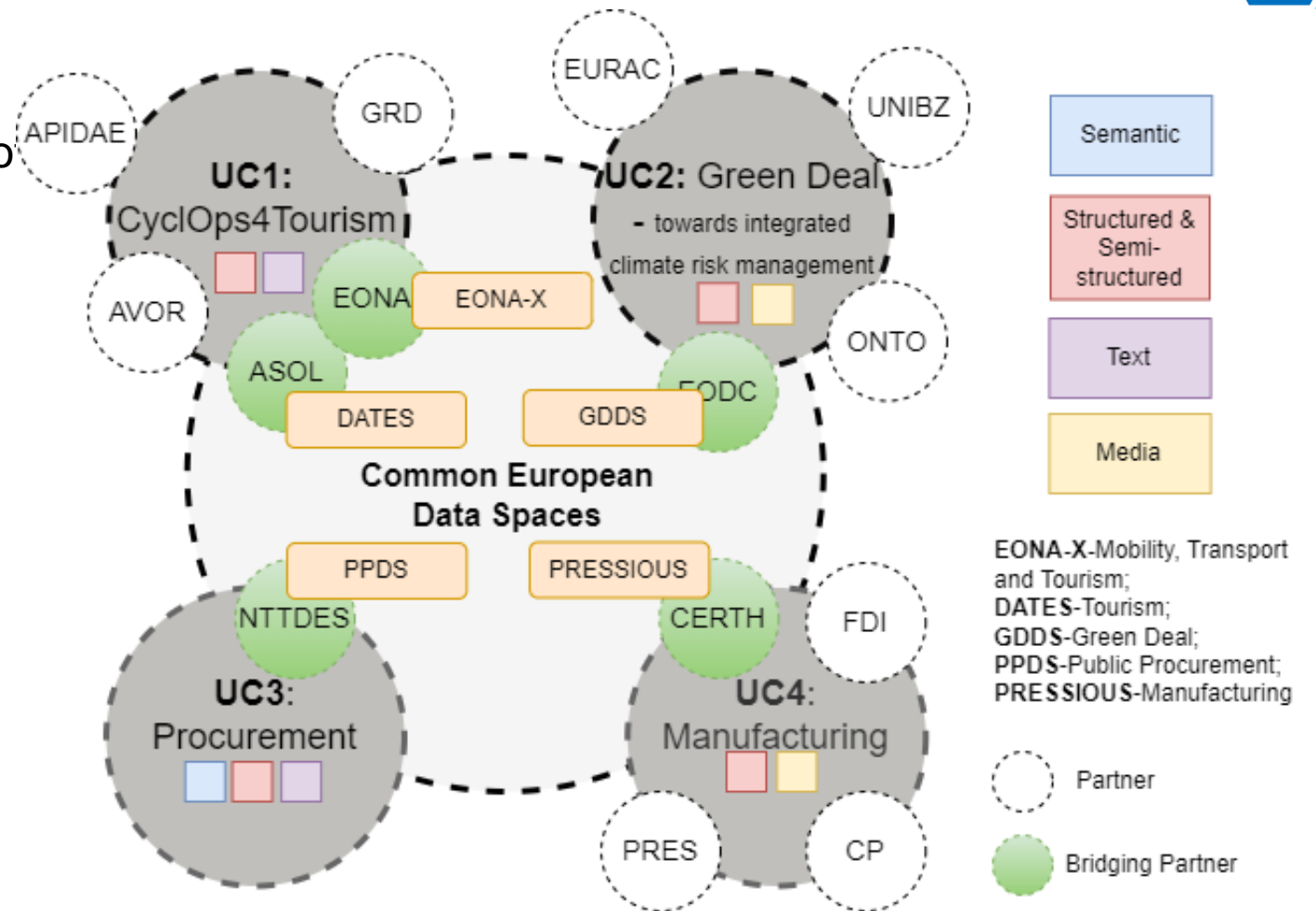
# Specific Objectives & Expected Results

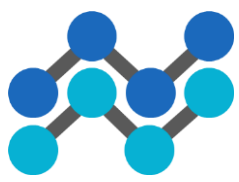
## 1 CyClops platform to automate generation of data processing pipelines

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





# 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- EO SC
	Tourism

Integrate with  
Data Spaces  
about...



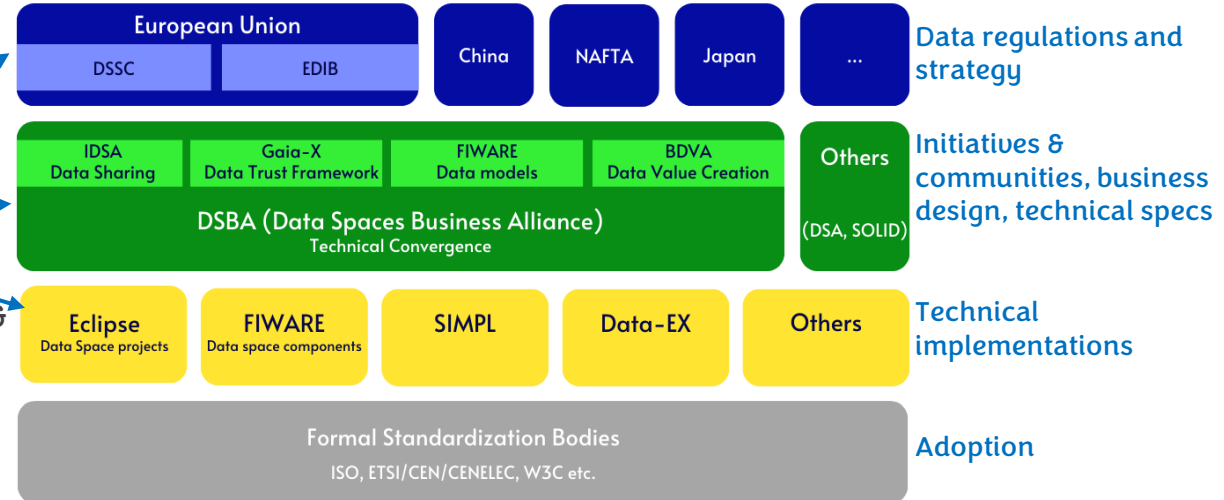
Monitor &  
Identify gaps

Follow

Propose

Provide &  
reuse

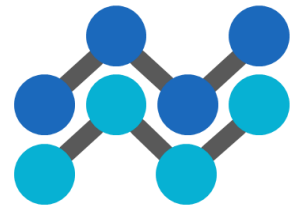
## Data Spaces Landscape



Source: DSBA







# CyclOps

## Contact and more information

**Project Coordination:** Monica Caballero - NTT Data Spain  
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<https://www.cyclopsproject.eu>



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