



# Data spaces: architecture, business models and supporting initiatives

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- What is a Data Space?
- Introduction of sectoral data spaces set up by EC
- What is the connection between sectoral Data Spaces and EOSC?
- How to connect future DS users with the OS practices & the EOSC?
- What are the possible complementarities between different initiatives building DSs and EOSC?
- Panel discussion: Practical integration / cooperation, way forward



**Mark Dietrich, EGI**

Introduction to Data Spaces  
Green Deal Data Space



**Juan Arenas Marquez,  
ELIXIR RI**

Genomic Data infrastructure  
& Health Data space



**Milena Dobрева, Sofia  
University**

European Data space for  
Cultural Heritage



**Giuseppe La Rocca,  
EGI**

The EGI-ACE Data spaces

# WHY should we talk about DATA?

The value of the data economy for the EU27 has been estimated to have reached €440 billion in 2021

Source: IDC European Data Market Study

THAT'S JUST THE FINANCIAL  
VALUE OF DATA

The world's most valuable resource is no longer oil, but data!



David Parkins

# Why Data spaces and why now?

## DATA SPACES, NOW!

FREE FLOW OF DATA & SINGLE MARKET

CROSS-DOMAIN DATA ACCESS

STANDARDISE DATA SHARING PRACTICES

CONNECT DATA SILOS

EMPOWER DATA INNOVATION & NEW BUSINESS MODELS

DATA SOVEREIGNTY

REGULATORY FRAMEWORK

VALUES ( Privacy, Security & Fairness )

WE ARE TECH READY (AI/ML, DATA ANALYTICS, DIGITAL TWINS)



European Alliance for Industrial Data, Edge and Cloud

**IPCEI\* on Next Generation Cloud**  
*(\*Important Project of Common European Interest)*

Coordination

**Cloud actions:**  
Cloud Rulebook

Co-Investments in cloud-to-edge services, cloud federation and marketplaces.

**Data actions:**

New legislation (Data Act, Data Governance Act, etc.)  
Co-investments in common European data Spaces



**Common European data spaces**

**Data Spaces Support Centre**  
Coordination and governance



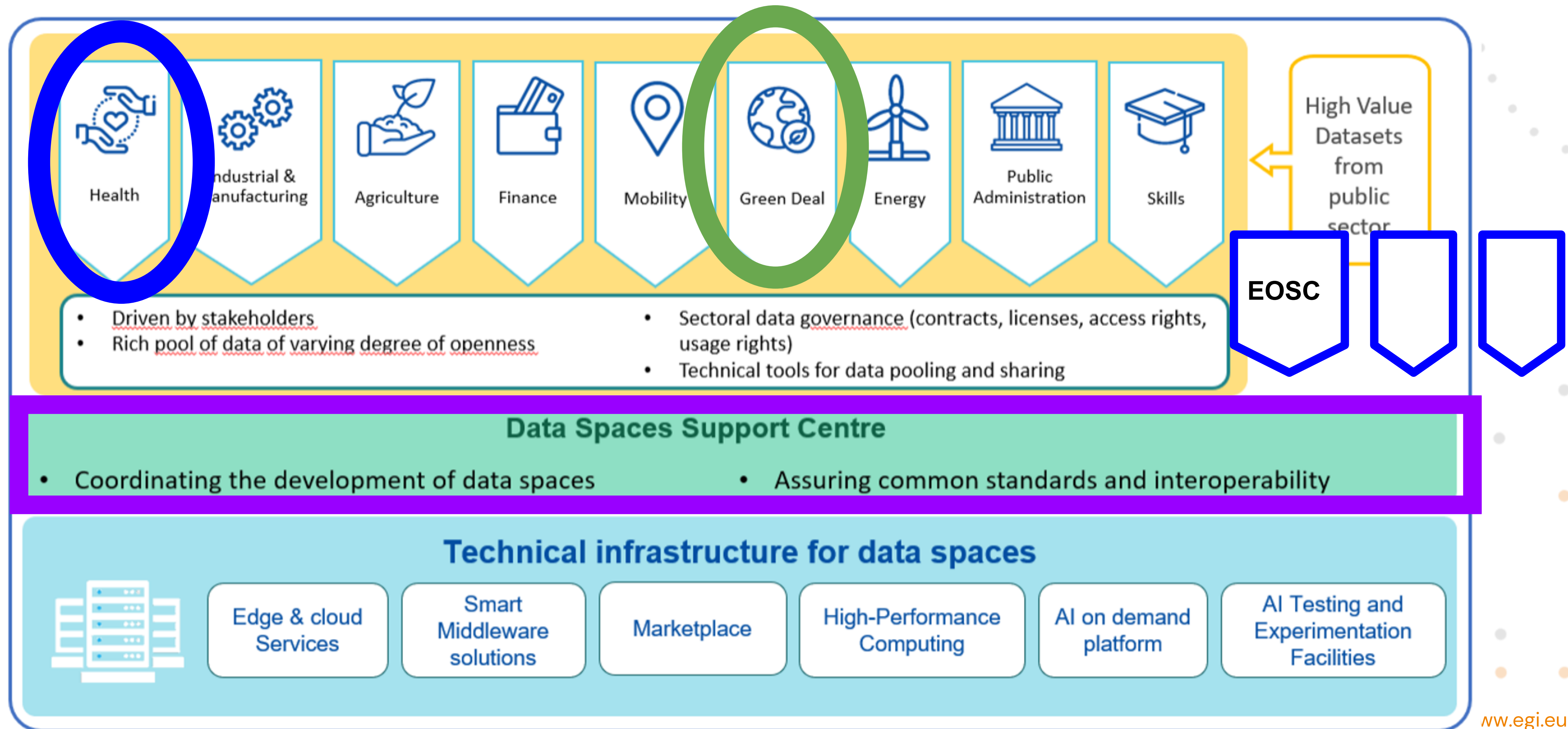
**Complementing & integrating private and public initiatives, e.g.:**

Federation & interoperability standards

Use cases; technical architecture

[Source: Daniele Rizzi (DG CNECT, G1 Data Policy and Innovation Unit), DSSC Kickoff 13.10.22 Brussels]







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# Q & A for Audience



- 1 How do you see the adoption/integration of Data Spaces happening in your sector ? Give us a crystal ball view.

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- 2 Data Spaces are supposed to help bring data from different silos together to enable new insights. What interdisciplinary use cases do you see in your experience as offering the greatest impact?

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- 3 Have you started to think about how to work with some of the Sectoral Data Spaces being set up by the EC? What is the best way to move this forward? Are there any important obstacles you see? Are these technical, procedural, contractual, other?



# Discussion

