



The EU's data and scientific sovereignty

Peter SZEGEDI

DG CNECT C.1

European Infrastructure and Data Spaces

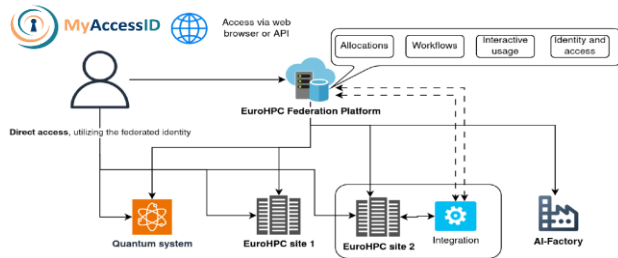
APPS

DATA SPACES

INFRASTRUCTURE

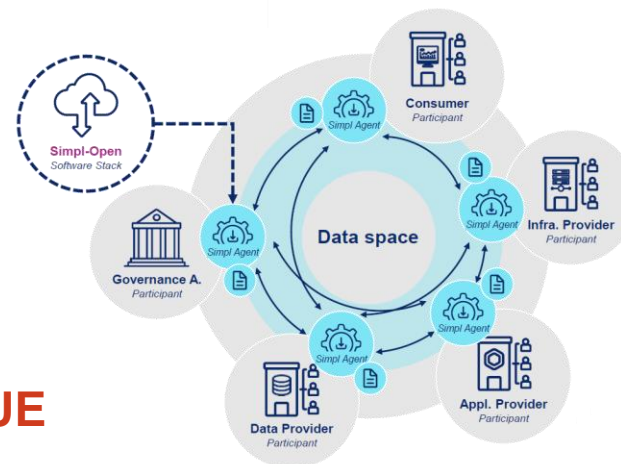


Federation Platform



GLUE

Simpl Middleware



DIGITAL PACKAGE

Digital Omnibus

- Data access
- Cybersecurity
- AI rules

Data Union Strategy

- Common European Data Spaces
- Data Labs
 - Bridging the gap between AI and Data
- Data Governance Act
- Data Act

EUDI Wallet / Business Wallet

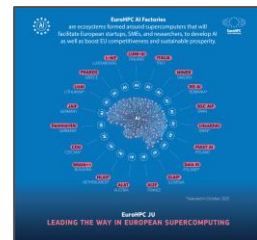
- Identity / Digital Privacy
- GDPR

AI Continent Action Plan

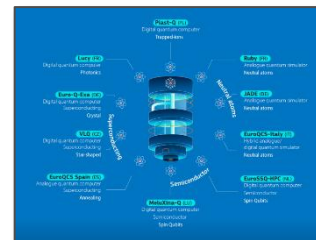
- Invest AI
 - AI Factories/Gigafactories
 - Cloud and AI Development Act
- Apply AI
 - AI is Science
- AI Talent
- AI Act
 - European Chips Act



EuroHPC



AI Factories and Antennas



Quantum



Gigafactories

European Sovereignty

Cloud Sovereignty Framework Version 1.2.1 – Oct. 20

The Cloud Sovereignty Framework defines the European Commission's criteria, assurance levels (SEAL), and scoring methodology for assessing the sovereignty of cloud services across strategic, legal, operational, and technological dimensions.

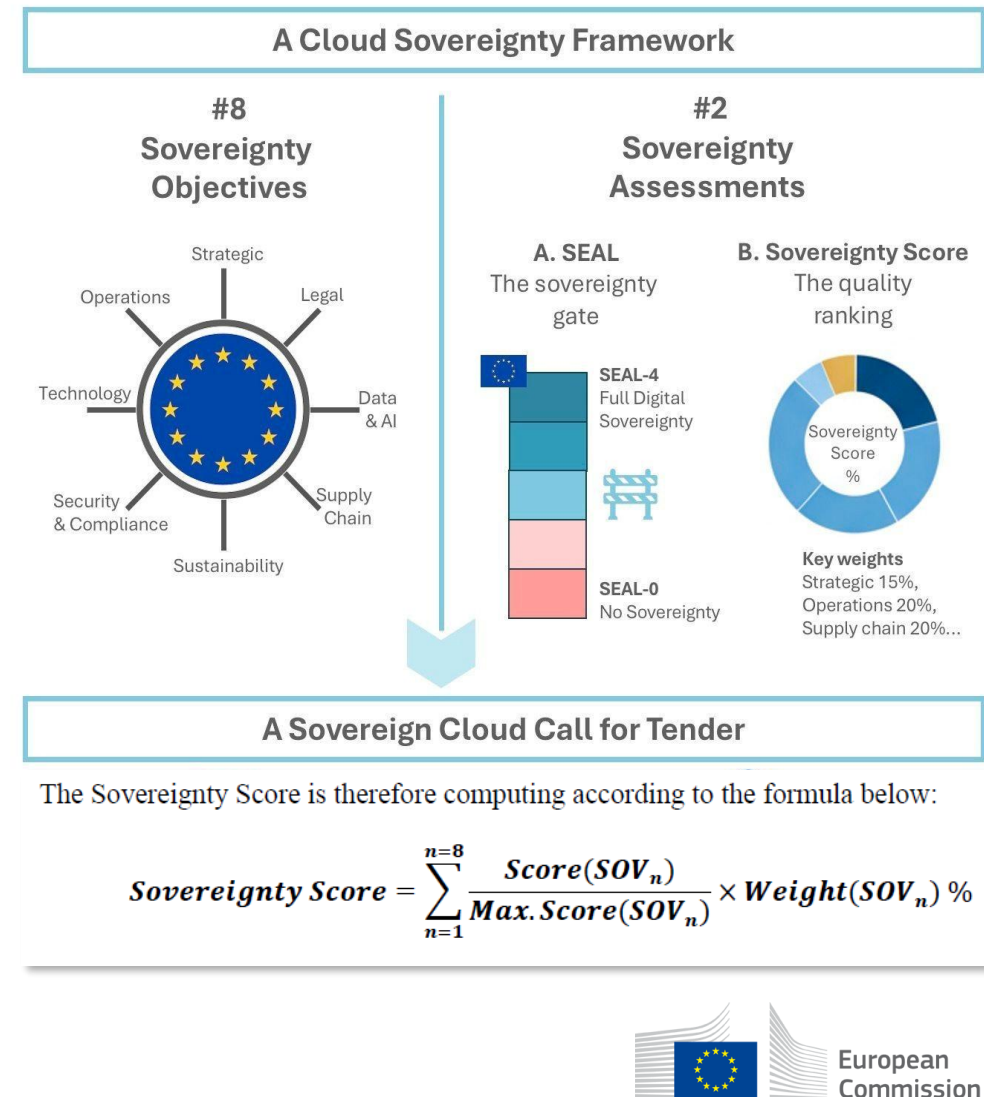
https://commission.europa.eu/document/09579818-64a6-4dd5-9577-446ab6219113_en

Data Sovereignty

OPINION PAPER BY THE EOSC STEERING BOARD EXPERT GROUP (E03756) ON STRENGTHENING EUROPEAN SOVEREIGNTY IN DATA FOR RESEARCH Version 4 – 26.11.2025

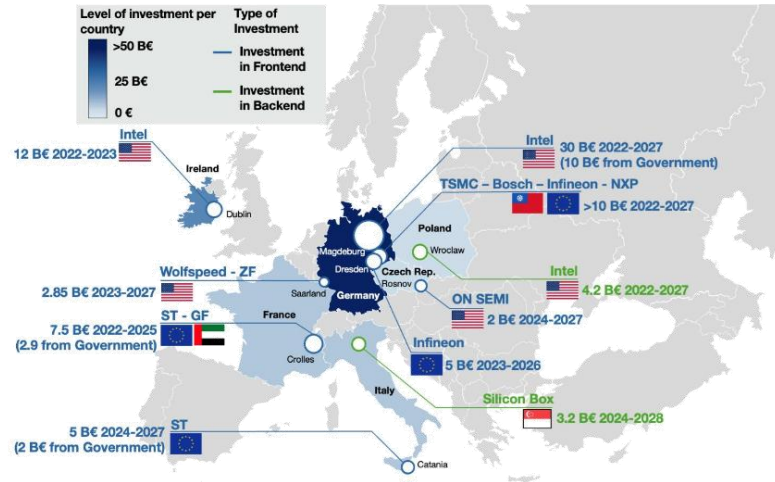
EOSC as an Enabler of Sovereignty

- Openness with responsibility
- Autonomy through federation
- Control of data and workflow quality
- Portability and interoperability
- Accountability and trust
- Resilience and preparedness



Closing remarks

European Chips Act Supply Chain Issue



Source: DECISION Etudes & Conseil

Europe's Cloud Sovereignty Enters a New Measurable Phase

8 Sovereignty Dimensions
SOV-1 to SOV-8

20% Supply Chain
Highest SOV weight

€10B+ Hyperscaler
Investment in EU

78% German Firms
See US cloud as risk

SEAL-4
Full Digital Sovereignty Target

SEAL Sovereignty Scoring Scale

0 No Sovereignty
Non-EU control

1 Jurisdictional
EU law, limited

2 Data Sov.
Dependencies remain

3 Resilient
EU influence

4 Full Sov.
Complete EU control

Major Sovereign Cloud Investments

AWS €7.8B
Brandenburg 2025

DT + NVIDIA €1B
10K GPUs Munich Q1 2026

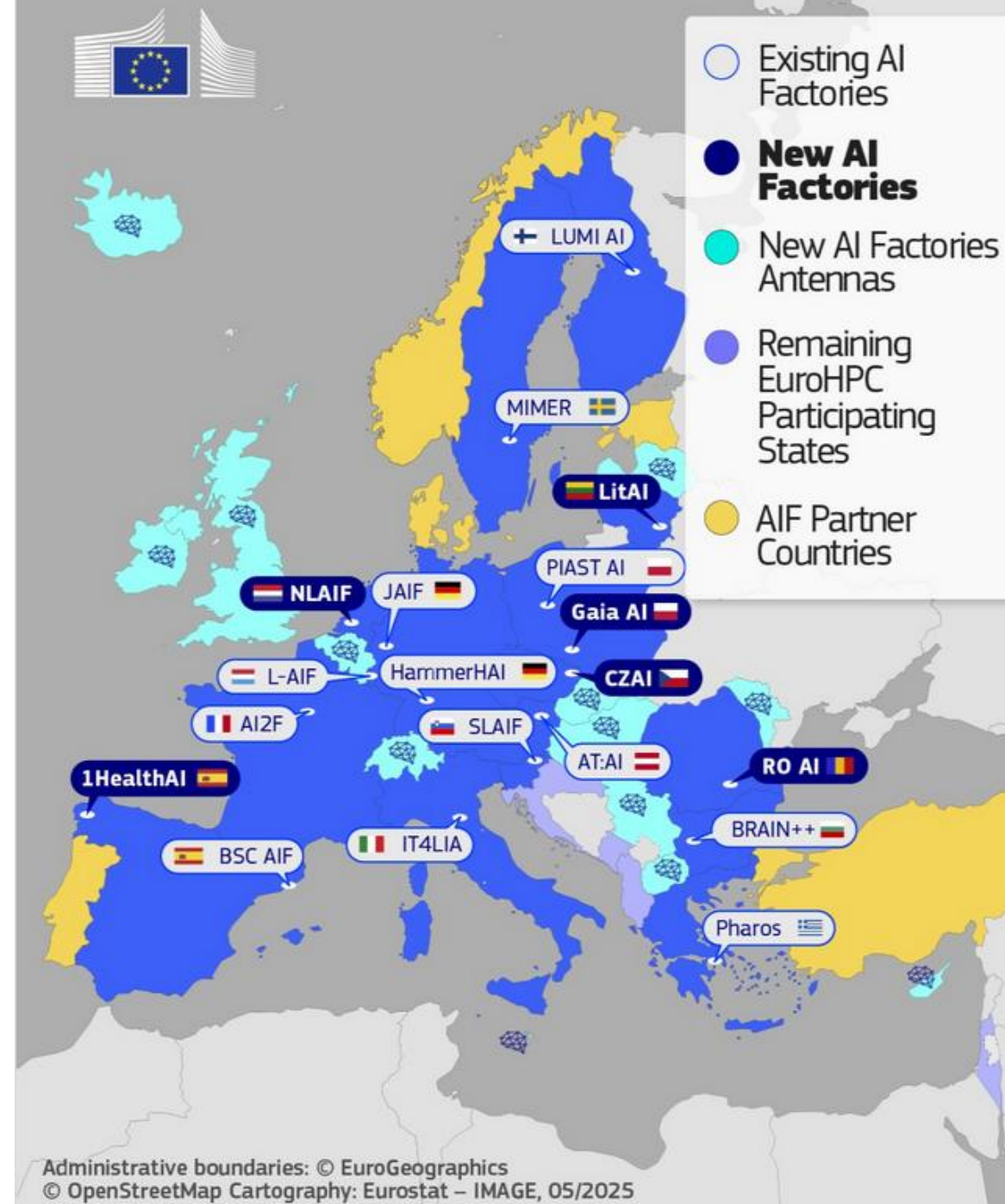
Google + BW Air-Gap
Bundeswehr 2027

European Sovereign Cloud Champions

STACKIT | ITENOS | OVHcloud | DELOS Cloud | Open Telekom Cloud

Hyperscalers bring scale. Sovereign Champions bring trust.
Together they build Europe's hybrid sovereign cloud ecosystem.

Source: European Commission DG DIGIT Cloud Sovereignty Framework v1.2.1 (October 2025)



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Post Digital & AI Sovereignty Strategist

More to come...

Peter Szegedi
European Commission
DG CNECT C.1 – HPC and Applications