



Upcoming 125<sup>th</sup> Member Meeting, Frascati, Italy

# Geospatial in Space

20<sup>th</sup> - 24<sup>th</sup> February, 2023

Making location information FAIR  
Findable, Accessible, Interoperable, and Reusable.

# The European strategy for data & common European data spaces

**Marco Minghini**

*Europe Forum – OGC 125<sup>th</sup> Member meeting*

# European Commission priorities 2019-2024

- The **twin green & digital transition** is at the top of the policy agenda



## A European Green Deal

Europe aims to be the first climate-neutral continent by becoming a modern, resource-efficient economy.



## A Europe fit for the digital age

The EU's digital strategy will empower people with a new generation of technologies.



## An economy that works for people

The EU must create a more attractive investment environment, and growth that creates quality jobs, especially for young people and small businesses.



## A stronger Europe in the world

The EU will strengthen its voice in the world by championing multilateralism and a rules-based global order.



## Promoting our European way of life

Europe must protect the rule of law if it is to stand up for justice and the EU's core values.

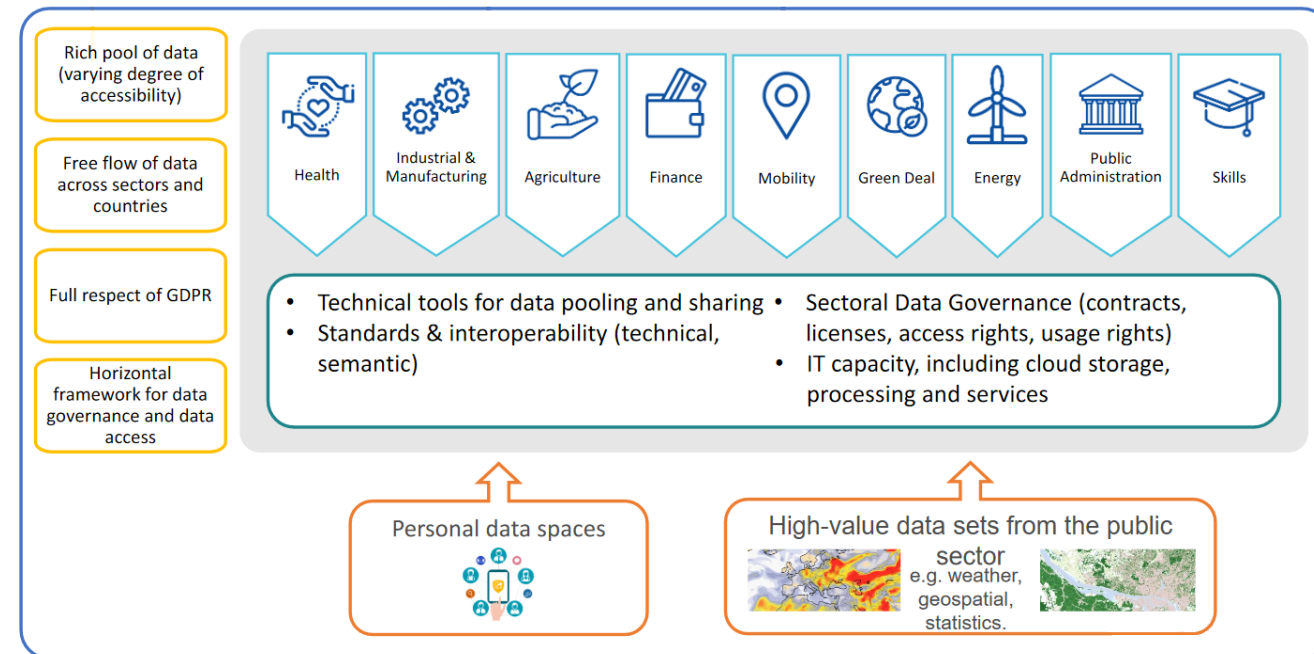


## A new push for European democracy

We need to give Europeans a bigger say and protect our democracy from external interference such as disinformation and online hate messages.

# European strategy for data

- Aims to create a European single market for data
- Highlights the problems to address
  - data availability, interoperability, quality
  - governance & infrastructures
  - skills & data literacy
  - cybersecurity
- Envisages the establishment of
  - a common European data space
  - sectoral data spaces



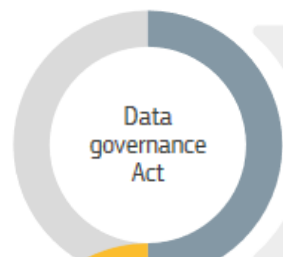
# Horizontal data sharing legislation

## Overview of data actions

**[D]** What data are we talking about?

**[H]** Who holds such data?

**[A]** What policy intervention?



Data governance Act

### *Good governance of data cannot wait*

**[D]** Data voluntarily made available by data holders

**[H]** Public sector, business, individuals, researchers

**[A]** Make such data is easier to share in a controlled manner (technical, legal and with organisational support); Build trust in data sharing; Ensure data interoperability access sectors



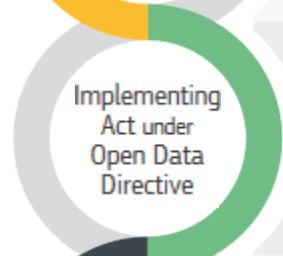
Digital Market Act

### *Data: a key element of Big Tech's market power*

**[D]** Data held by online platforms originating from the users (both businesses and individuals)

**[H]** Online platforms

**[A]** Among other policy options, identify appropriate data access and data portability remedies



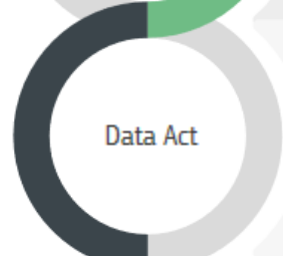
Implementing Act under Open Data Directive

### *High quality government data for SMEs & innovation*

**[D]** 'High value' Open Government Data (core reference data)

**[H]** Public sector

**[A]** Make such data available for re-use free of charge



Data Act

### *Better access to and control over data for a fair data economy*

**[D]** Co-generated, IoT data from industry and individuals, Big Data sources held by business

**[H]** Business

**[A]** Ensure flexible use of Big Data sources by government for the common good; Establish fairness in use of co-generated, IoT data; Make sure that Europeans stay in control over their data vis-à-vis third country jurisdictions; Examine IPR legislation for possible obstacles

# Implementing Act on high-value datasets

- High-value datasets (HVD)
  - datasets the **re-use** of which is associated with important **socio-economic benefits**
- To be made available
  - for **free**, under **open access** licenses (CC BY 4.0 or less restrictive)
  - in **machine-readable formats**, via **APIs** and (when relevant) as a bulk download

- Thematic categories of HVD

*Geospatial*

*Earth observation  
and environment*

*Meteorological*

*Statistics*

*Companies and  
company  
ownership*

*Mobility*

- The Implementing Act defines
  - the **list of high-value datasets** for each thematic category
  - the **requirements** for their provision: key attributes, granularity, formats, license, etc.

# Data space actors

- **Data Spaces Support Centre (DSSC)**
  - coordination of all relevant actions on sectoral data spaces in Europe
  - blueprint, best practices, common standards, support activities and knowledge transfer
- **Coordination and Support Actions (CSAs)**
  - one for each sectoral data space
  - community of practice, priority datasets, stakeholder engagement, governance/business models, roadmap
- **European Data Innovation Board (EDIB)**
  - consultative and advisory body established in the Data Governance Act, to be setup in September 2023
  - identification of guidelines for interoperability of common European data spaces





# JRC knowledge base on data spaces

- Several findings around (geospatial) data sharing



## Emerging approaches for data-driven innovation in Europe

*Sandbox experiments on governance of data and technology*

Graneli C., Moorey P., Jirka S., Rieker M., Ostermann F., van den Broeck J., Sami Verhulst S., Derdik L., Ost H., Micheli F., Minghini M., Kotsev A., Schade S.

2022



## JRC SCIENCE FOR POLICY REPORT

### Application Programming Interfaces in Governments: Why, what and how

Channelling government digital transformation through APIs

Vaccari L., Posada M., Boyd M., Gattwinkel D., Mavridis D., Smith R. S., Santoro M., Nativi S., Medjroui M., Reusa L., Switzer S., and Fris-Christensen A.

2020



## Establishment of Sustainable Data Ecosystems

Recommendations for the evolution of spatial data infrastructures

Sébastien Martin, Prune Gaudier, Slim Turki, Alexander Kotsev

2021



## JRC TECHNICAL REPORT

### Quantifying the Benefits of Location Interoperability in the European Union



## JRC SCIENCE FOR POLICY REPORT

### Artificial Intelligence and Digital Transformation: early lessons from the COVID-19 crisis

Craglia M. (Ed.), de Nigris S., Gómez-González E., Gómez E., Martens B., Iglesias M., Vespe M., Schade S., Micheli M., Kotsev A., Mittani L., Vesic-Augovic L., Pignatelli F., Hladec J., Nativi S., Sanchez I., Haron R., and Jurekiewicz H.

2020

EUR 30306 EN



# JRC partnerships



Open  
Geospatial  
Consortium



UN-GGIM  
UNITED NATIONS INITIATIVE ON  
GLOBAL GEOSPATIAL  
INFORMATION MANAGEMENT

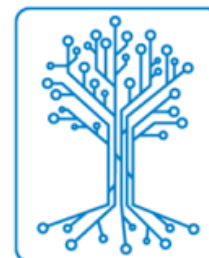
INTERNATIONAL DATA  
SPACES ASSOCIATION



OSGeo



BDV BIG DATA VALUE  
ASSOCIATION



GAIA-X



International Society for  
**Digital Earth**



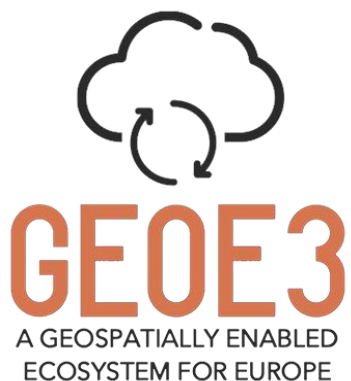
European  
Commission



# JRC partnerships – Green Deal data space



**OPEN EARTH  
MONITOR**



# Role to play for standardisation bodies

## Europe Forum



**Fri, Feb 24th 9:00am (Forcada)**

Join OGC's Europe Forum, designed to bring together the European OGC community to exchange ideas, explore partnerships and strengthen connections and to learn more about initiatives underway. This session explores two themes; Geospatial for Architecture Engineering Construction and Operation (AECO), and Green Deal Data Spaces

**Project: Europe Forum**

**Reserved By: [Francesca Noardo](#)**

**Facilitator: [Francesca Noardo](#)**

### Highlights:

9.10-9.20 The European strategy for data

9.20-10.05 Update on Initiatives for Geospatial for Architecture Engineering Construction and Operation (AECO)

10.15 - 11.20 Update on Initiatives for Green Deal Data Spaces

11.20 - 11.30 Election of New Chairs



ISO/TC 211 N 5842

**ISO/TC 211 "Geographic information/Geomatics"**

Secretariat: **SIS**

Committee manager: **Åhlin Mats Mr**



**N 5842 Draft Resolutions from the 55th hybrid plenary meeting, 2022-12-09**

**CIB Resolution 2022-27**

[\[AG 2\]](#)

### **Ad hoc group on Input to EU Data Spaces**

ISO/TC 211 notes the opportunity presented by the EU Open Data Directive.

ISO/TC 211 resolves to create an Ad hoc group to prepare a document describing the use of standards to enable the publication of geographic information into European Union Data Spaces

ISO/TC 211 welcomes the offer of Mr. Jari Reini of Finland and appoints him as convenor. The Ad hoc group shall present a report to ISO/TC 211/AG 2 Advisory group on strategy before the 56th plenary week.

# In conclusion

- It's time for common European data spaces!
  - lots of initiatives, projects, activities & funding
- We all have a lot to offer
  - we are all important for making data spaces a reality
  - it is key to act in a **coordinated manner**, **exploit synergies**, **avoid overlaps**

# In conclusion

- It's time for common European data spaces!
  - lots of initiatives, projects, activities & funding
- We all have a lot to offer
  - we are all important for making data spaces a reality
  - it is key to act in a **coordinated manner**, **exploit synergies**, **avoid overlaps**
- No solution, only questions 😊
  - what challenges and opportunities do you see?
  - what are your needs?
  - do you see any specific/additional role to play for the JRC/Commission?



# Thank you!



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# Keep in touch



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