

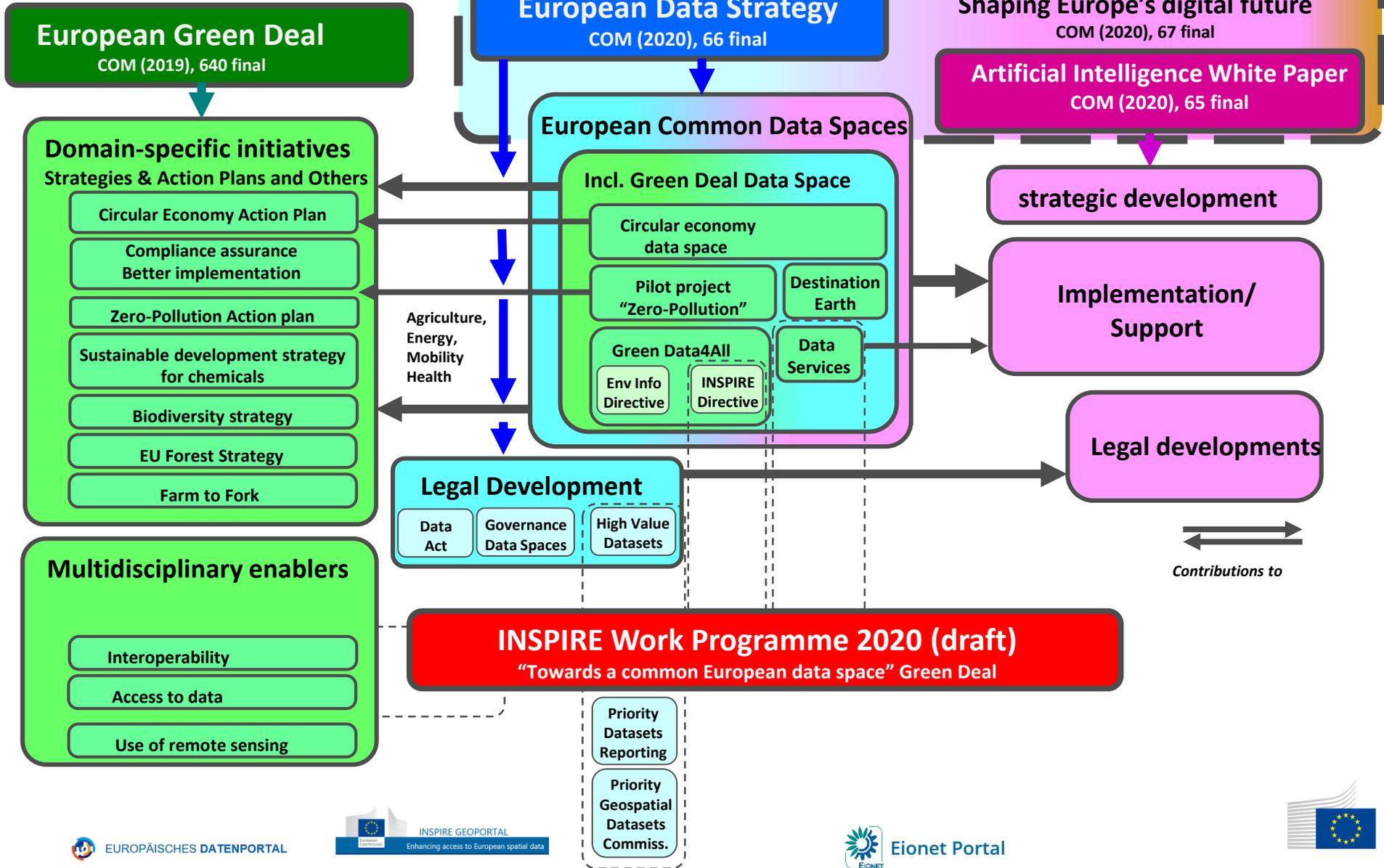


Building the Green Data Space

INSPIRE Online Conference 2020

3 June 2020

INSPIRE Work Programme
in the context of Green Deal & digitalisation



Twin challenge of the green and digital transformation

A European strategy for data (COM(2020) 66 final)

A **Common European Green Deal data space**, to use the major potential of data in support of the Green Deal priority actions on climate change, circular economy, zero pollution, biodiversity, deforestation and compliance assurance. The “**GreenData4All**” and ‘**Destination Earth**’ (digital twin of the Earth) initiatives will cover concrete actions.

The European Green Deal (COM(2019) 640 final)

Accessible and interoperable **data are at the heart of data-driven innovation**. This **data**, combined with **digital infrastructure ... and artificial intelligence** solutions, facilitate evidence-based decisions and expand the capacity to understand and tackle environmental challenges. The Commission will support work to **unlock the full benefits of the digital transformation to support the ecological transition**. An immediate priority will be to boost the EU’s ability to **predict and manage environmental disasters**. To do this, the Commission will bring together European scientific and industrial excellence to develop a **very high precision digital model of the Earth**.

Interoperability between data spaces is key



Rich pool of data (varying degree of accessibility)

Free flow of data across sectors and countries

Full respect of GDPR

Horizontal framework for data governance and data access



- Technical tools for data pooling and sharing
- Standards & interoperability (technical, semantic)
- Sectoral Data Governance (contracts, licenses, access rights, usage rights)
- IT capacity, including cloud storage, processing and services



Focus today on public and privately held public data (Gov2Gov) -> GreenData4All

Towards a data sharing framework in support of the common EU green deal data space

The vision for INSPIRE has not changed

- Promote data sharing and put in place easy-to-use, transparent, interoperable spatial data services to help improving the quality of the environment and leading to effectiveness gains and more simplification.

GreenData4All – Ambition level

- The INSPIRE Directive is at the end of its foreseen implementation cycle. The Commission has to evaluate the Directive by 1 January 2022.
- The von der Leyen Commission (2019-2024) stressed the need for Europe to lead the transition to a healthy planet and a new digital world. Data is at the centre of this transformation and data-driven innovation will contribute to the implementation of the [European Green Deal](#).
- To use the major potential of data in support of the Green Deal priority actions a [Common European Green Deal data space](#) will be developed. The “GreenData4All” initiative, which (following an evaluation/impact assessment) will aim to review and possibly revise two pieces of existing legislation: Access to Environmental Information Directive (**2003/4/EC**) & INSPIRE Directive (**2007/2/EC**)
- GreenData4All will update both Directives to a more contemporary state of technology, promote active dissemination and sharing of government private-held public data in support of the environmental acquis and the Green Deal objectives, and define and implement interoperable building stones for the Green Deal data space and other data spaces,

INSPIRE & High Value Datasets

- 34 Spatial Data Themes

ANNEX: 1

-  [Addresses](#)
-  [Cadastral parcels](#)
-  [Geographical grid systems](#)
-  [Hydrography](#)
-  [Administrative units](#)
-  [Coordinate reference systems](#)
-  [Geographical names](#)
-  [Protected sites](#)

 [Transport networks](#)

ANNEX: 2

-  [Elevation](#)
-  [Land cover](#)
-  [Geology](#)
-  [Orthoimagery](#)

ANNEX: 3

-  [Agricultural and aquaculture facilities](#)
-  [Atmospheric conditions](#)
-  [Buildings](#)
-  [Environmental monitoring Facilities](#)
-  [Human health and safety](#)
-  [Meteorological geographical features](#)
-  [Natural risk zones](#)
-  [Population distribution and demography](#)
-  [Sea regions](#)
-  [Species distribution](#)
-  [Utility and governmental services](#)
-  [Area management / restriction / regulation zones & reporting units](#)
-  [Bio-geographical regions](#)
-  [Energy Resources](#)
-  [Habitats and biotopes](#)
-  [Land use](#)
-  [Mineral Resources](#)
-  [Oceanographic geographical features](#)
-  [Production and industrial facilities](#)
-  [Soil](#)
-  [Statistical units](#)

Geospatial

Meteorological

Earth Observation and environment

Mobility

Statistics

Companies and company ownership

Categories of High Value Data Sets

GreenData4All should aim to align the INSPIRE directive with other legal frameworks for data

Thank you



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