



GREAT

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THE GREEN DEAL DATA SPACE – ROADMAP



What are we up to today?

- Give a flavour of what the Green Deal Data Space could be
- Give a flavour of our roadmap principles
- Getting ready to hear your thoughts about it





The Green Deal Data Space



Single Market for data
COM/2020/66



Tackling climate and environmental-
related challenges COM/2019/640

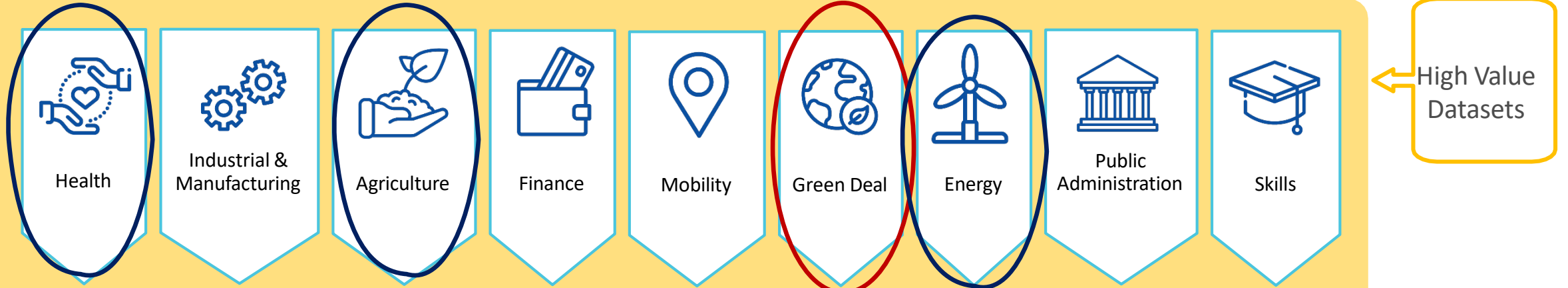
Green Deal Data Space

A federation of data ecosystems enabling policy makers, businesses, researchers and citizens, from Europe and around the world, to jointly support the objective of the Green Deal.

Key characteristics of a data space

- A **secure and privacy-preserving IT infrastructure** to pool, access, process, use and share data.
- A **data governance mechanism**, comprising a set of rules of administrative and contractual nature that determine the rights to access, process, use and share data in a trustful, transparent manner and in compliance with existing legislations.
- **Data holders are in control** of who can have access to their data, for which purpose and under which conditions it can be used.
- Presence of vast amounts of data that are **made available on a voluntary basis** and can be reused against remuneration or for free, depending on the data holder's decision.
- Participation by an **open** number of organisations/individuals in full respect of competition rules and ensuring non-discriminatory access for all participants.

Data Spaces Landscape

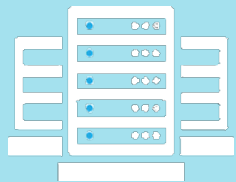


- Driven by stakeholders
- Rich pool of data of varying degree of openness
- Sectoral data governance (contracts, licenses, access rights, usage rights)
- Technical tools for data pooling and sharing

Data Spaces Support Centre

- Coordinating the development of data spaces
- Assuring common standards and interoperability

Technical infrastructure for data spaces



Edge & cloud Services

Smart Middleware solutions

Marketplace

High-Performance Computing

AI on demand platform

AI Testing and Experimentation Facilities

Strategic Green Deal Actions

1

2030 Biodiversity Strategy

A woman's profile is shown in silhouette, with her face and hair composed of various green leaves and branches, symbolizing nature and biodiversity.



2

Zero Pollution Action Plan

Two footprints are shown on a light-colored surface, with green leaves and branches arranged to form the shape of the footprints, symbolizing a clean and green path.



3

Climate Change Adaptation Strategy

An hourglass is shown with a globe of the Earth in the bottom bulb and a snow-capped mountain range in the top bulb, symbolizing the transition from a warm to a cold climate.

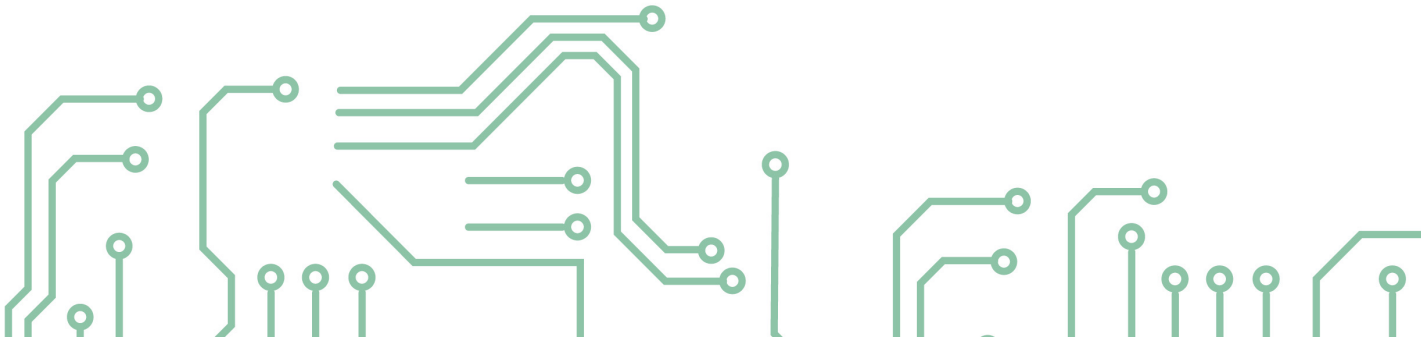


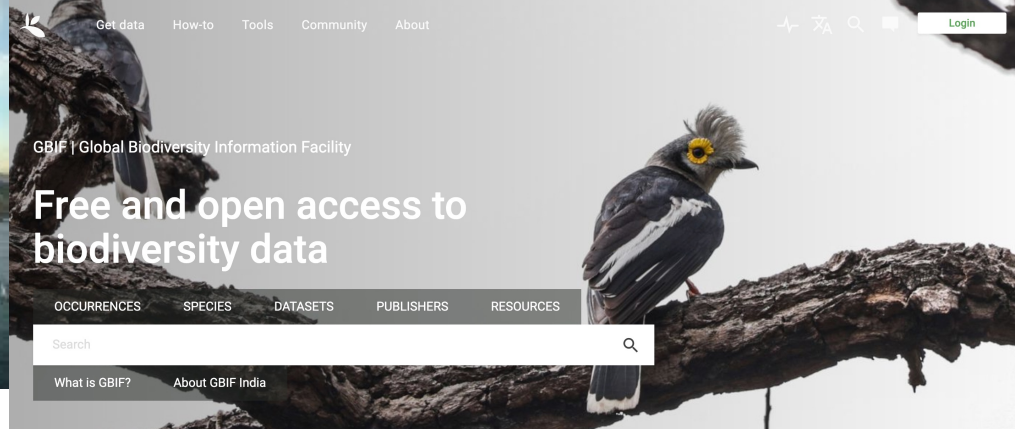




Green Deal Objectives/Binding Targets

urban ecosystems – no net loss of green urban space by 2030, and an increase in the total area covered by green urban space by 2040 and 2050





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SUMMARY

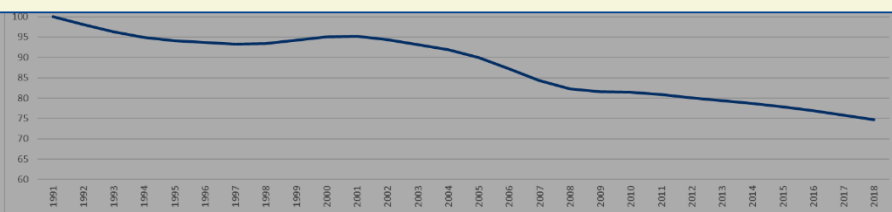
COHERENT NETWORK OF PROTECTED AREAS

EU NATURE RESTORATION PLAN

Indicator: 5.0.1 - Grassland butterfly index

This indicator is an index measuring changes in population abundance at EU level of 17 grassland butterfly species, using 1991 as reference year. Values are calculated every year by the European Butterfly Monitoring Scheme partnership, distributed by the European Environmental Agency, and further provided by Eurostat.

The indicator uses a large number of datasets and they are not tracked by this dashboard.



Target 6 - The risk and use of chemical pesticides is reduced by 50%, and the use of more hazardous pesticides is reduced by 50%. [↗](#)

Indicator under development.

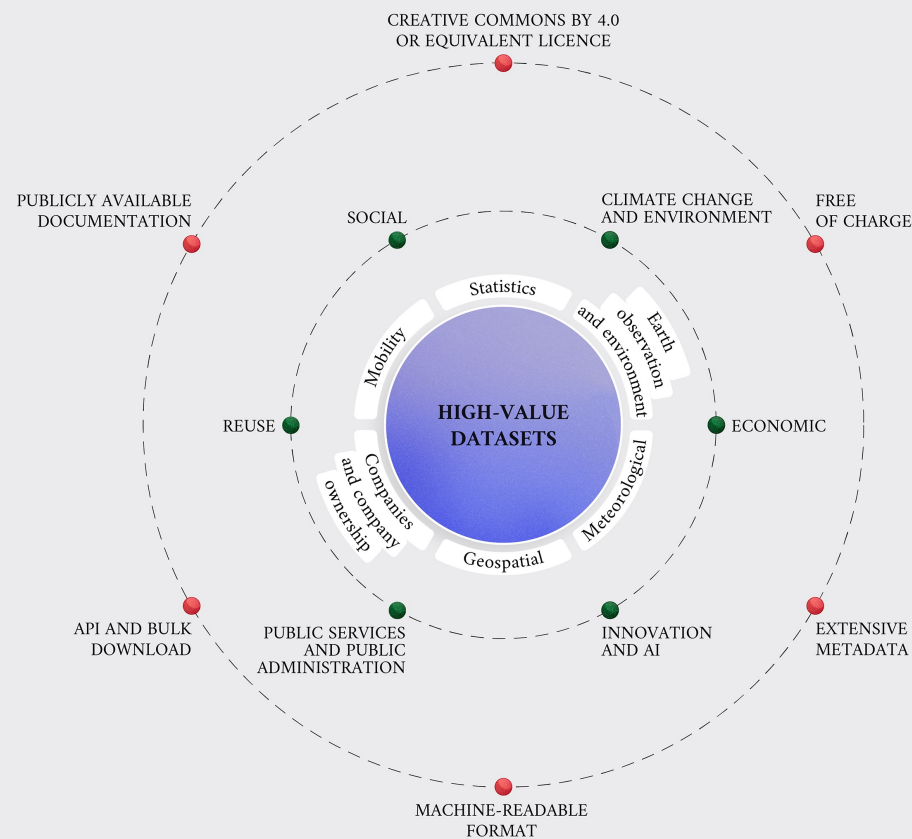
Target 7 - At least 10% of agricultural area is under high-diversity landscape features. [↗](#)

Indicator under development.

Target 8 - At least 25% of agricultural land is under organic farming management, and the uptake of agro-ecological practices is significantly increased. [↗](#)

FEATURES OF HIGH-VALUE DATASETS

- = Macro characteristics
- = Mandatory technical requirements





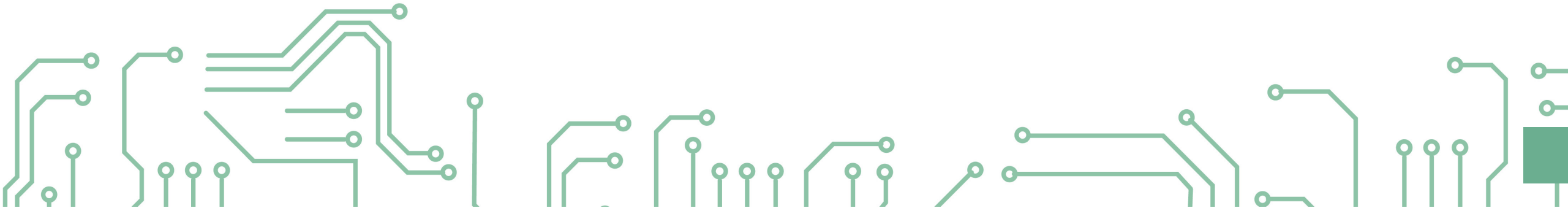
Roadmap principles

Support the creation and the successful implementation of the Green Deal Data Space.

From design to proof of concept, implementation and scaling-up of the Minimum Viable GDDS

Expand on trials and pilots involving local, regional, national, European, and global initiatives.

Validate benefits of the GDDS to vertical and horizontal domains, public sectors, businesses and citizens.





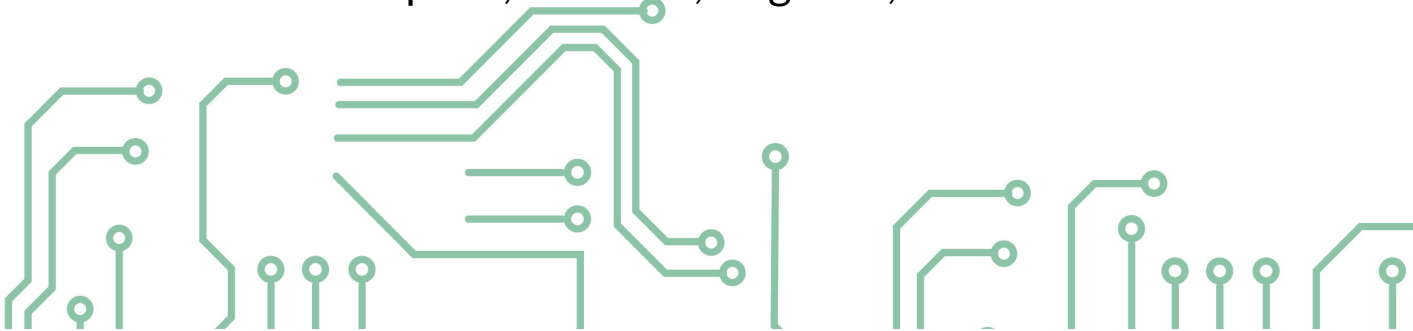
Clusters

To provide structure for developing concrete plans, clusters have been identified. They serve as illustrative examples and provide insights into potential future pilot projects:

- Biodiversity cluster
- Zero pollution cluster
- Climate change cluster
- Circular economy cluster

- Destination Earth ecosystem cluster
- Copernicus Services ecosystem cluster
- Horizontal data initiatives: Emodnet, Eurostat, JRC...

- Economic sectors cluster
- Pan-European, National, Regional, Local cluster



GDDS STRATEGIC ROADMAP

VERSION 1

TBC LOW RISK MED RISK HIGH RISK

PHASED IMPLEMENTATION

