



ABOUT SAGE



SAGE

The Data Space for a
Sustainable Green Europe



Co-funded by
the European Union

SAGE | The Data Space for a Sustainable Green Europe

- Consortium: 40+ partners
- Duration: 3 years
- Funding : DEP 50% funding
- Total budget: €16 million
- EC Funding: €8 million
- Start: March 2025
- End: March 2028



About SAGE

SAGE will establish a fully operational Green Deal Data Space (GDDS) aimed at enhancing the accessibility, integration, and utilization of green and environmental data across the EU, to support key pillars of the European Green Deal:

- [Zero Pollution](#)
- [Climate Adaptation](#)
- [Biodiversity](#)
- [Circular Economy Action Plan](#)

About GDDS

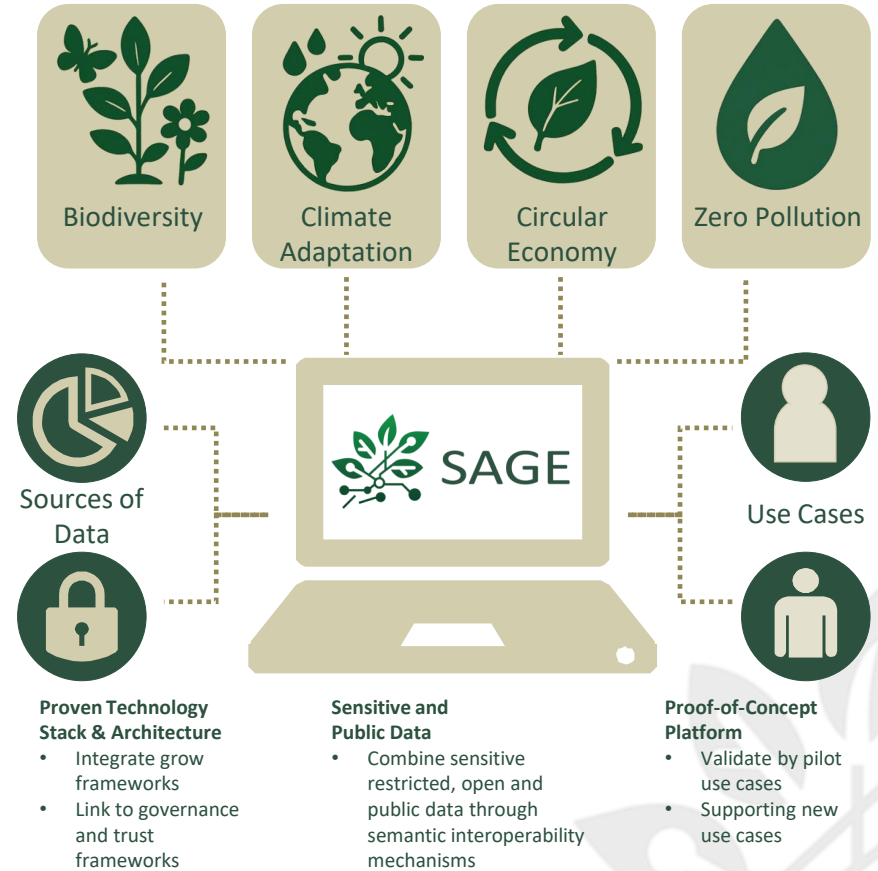
The purpose of the Green Deal Data Space (GDDS) is to integrate large volumes of cross-sectoral data, to support the objectives of the European Green Deal — for a climate-neutral, resource-efficient economy by 2050.

The GDDS will bring together data related to biodiversity, pollution reduction, circular economy, climate action, sustainable mobility, and environmental compliance.

Expected outcome

SAGE's outcomes include **seamlessly integrating fragmented environmental data** through federation, enriching data with consistent quality, validation, and interoperable metadata, and enhancing capabilities for data transformation, processing, analysis, forecasting, target setting, and performance monitoring.

SAGE (the Data Space for a Sustainable Green Europe) is a Digital Europe co-funded project that will develop a federated, secure, and interoperable data space to support the key pillars of the European Green Deal :



The project and related operating and governance entities will continue to operate after the project finishes in early 2028



Forest Data Space



Pollinator Monitoring



Soil Circularity



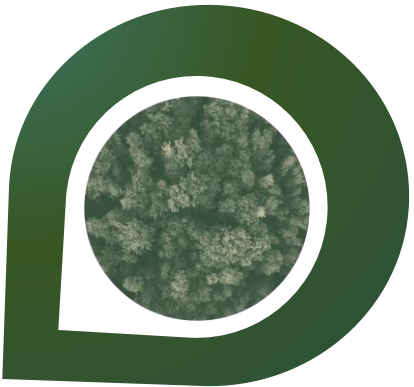
Building Environment CO₂



Textile Circularity



Zero Defect
Manufacturing



Remote Sensing for National
Forest Inventories



Global Environmental
Exposure

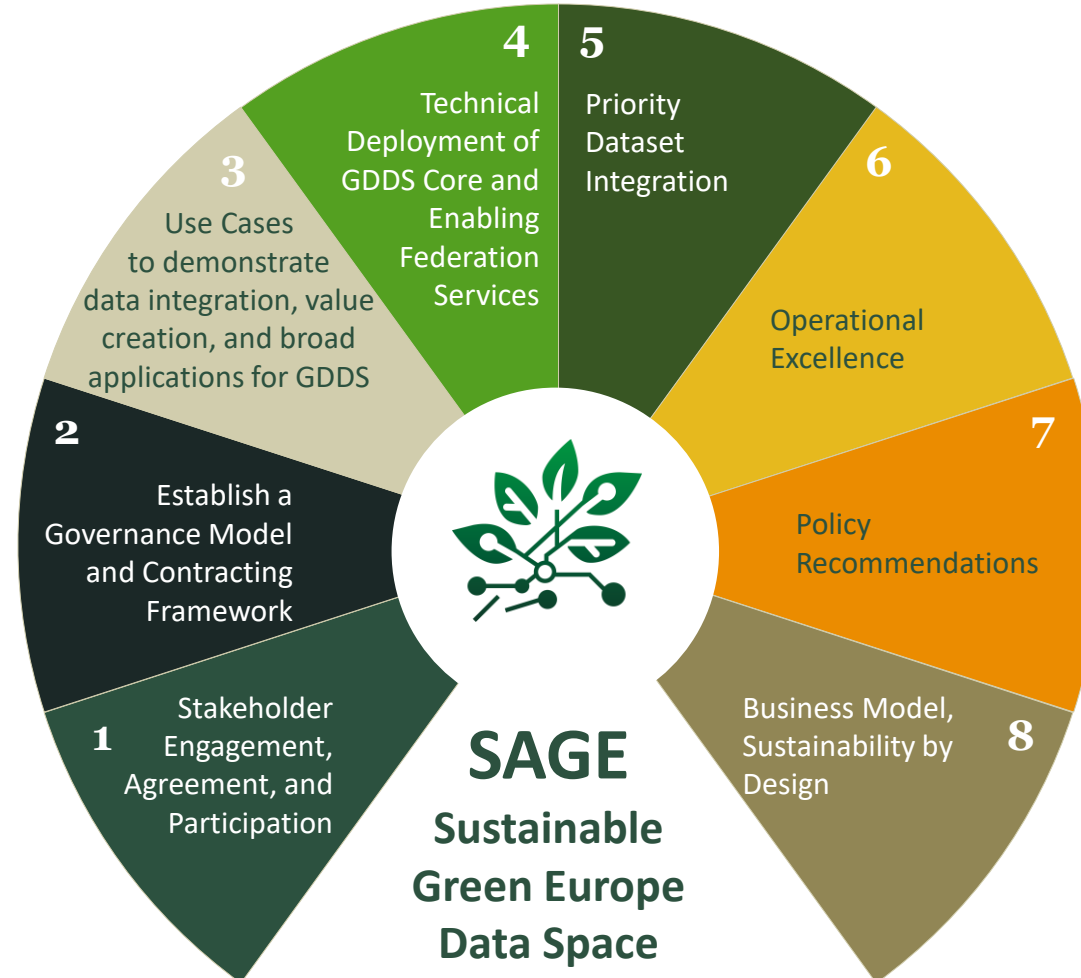


Nature and Ecosystem
Services



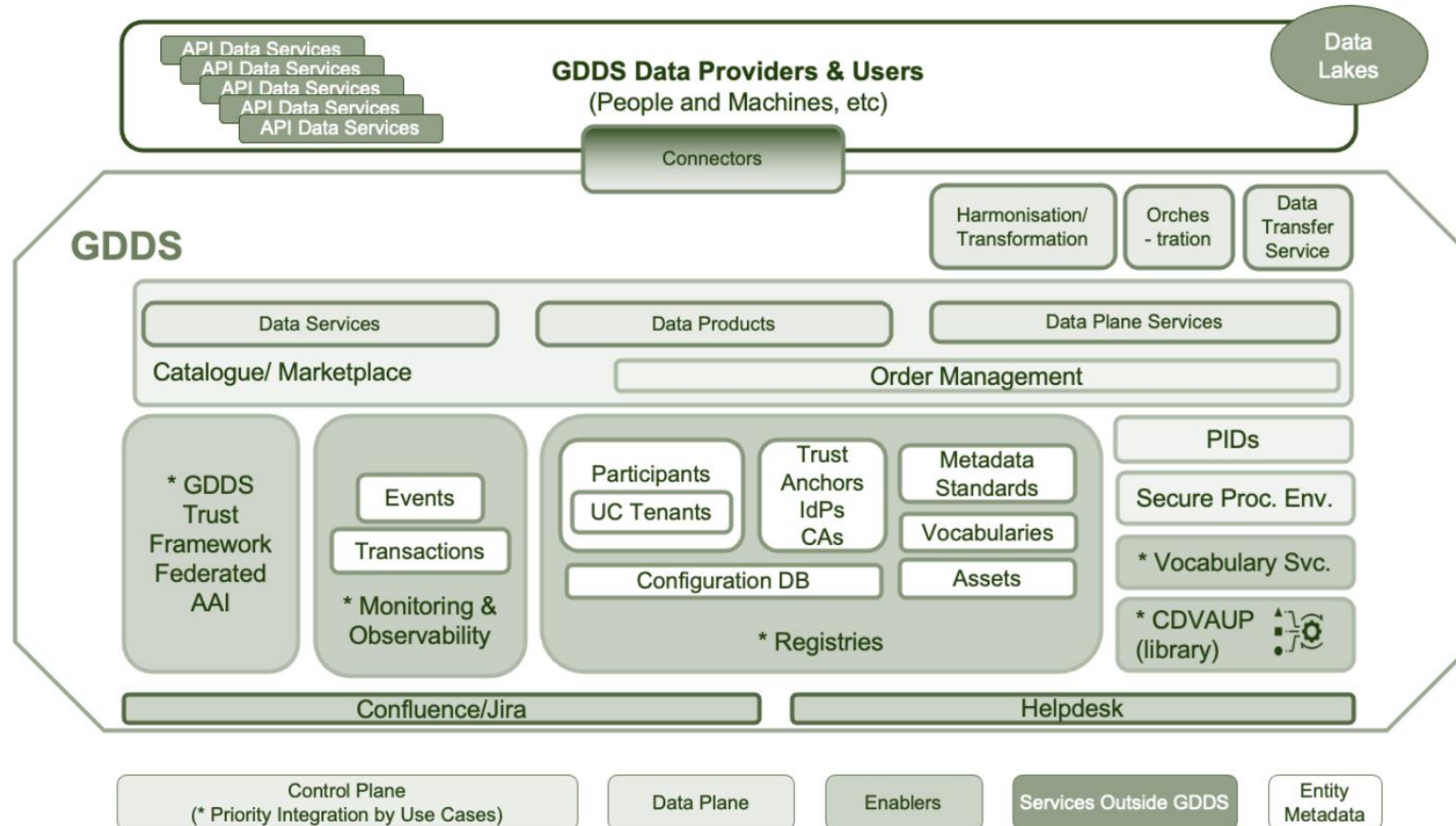
Air Quality and Health

SAGE's overall Objectives

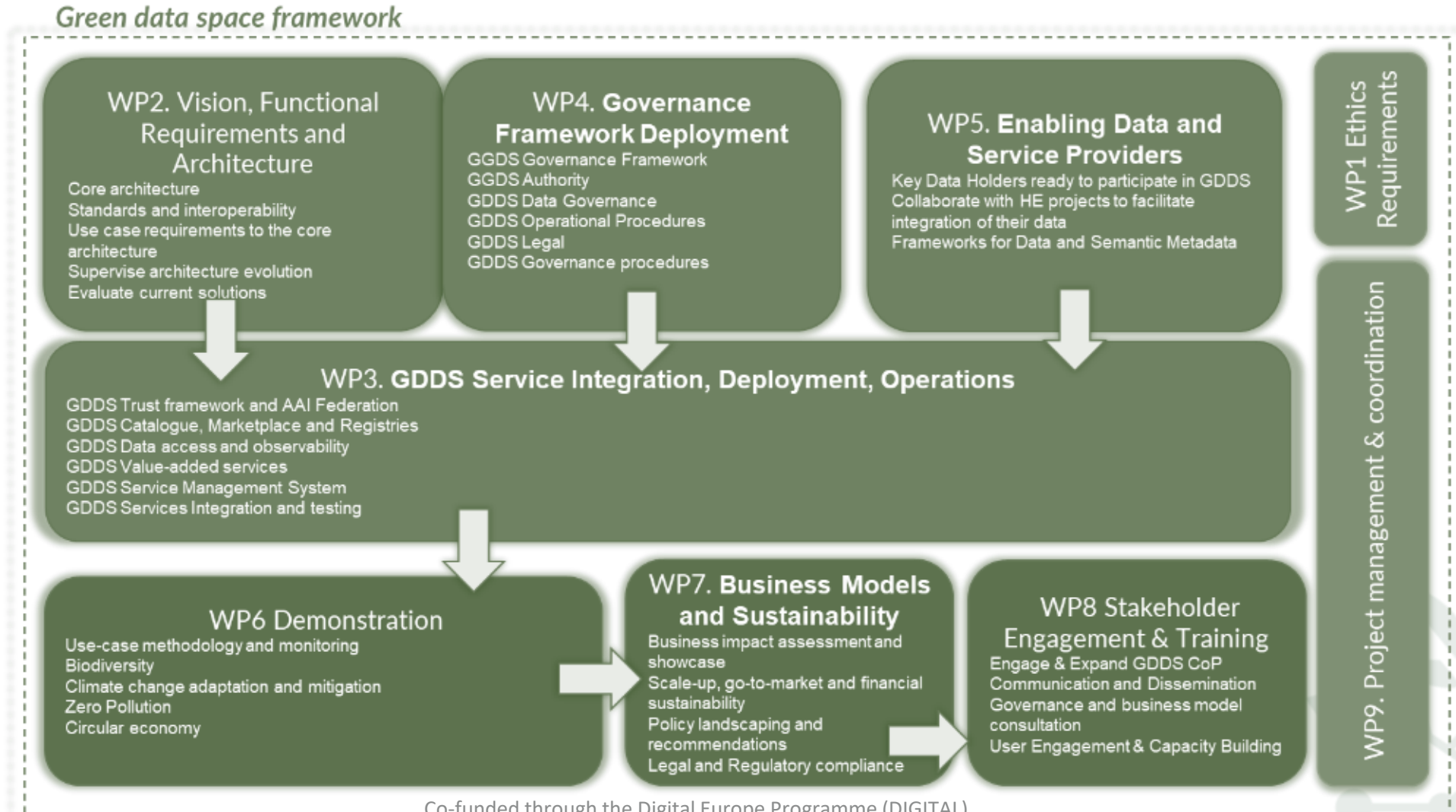




GDDS – Green Deal Data Space



The WP Structure of SAGE

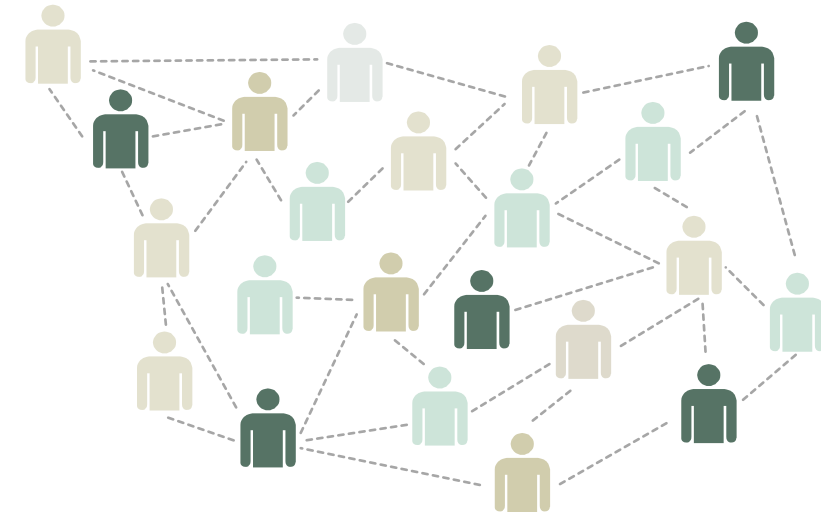


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Building directly upon GREAT and other sister projects:

GREAT

SAGE builds on the first three taxonomy of objectives (Levels 0-2) formulated in the [GREAT project](#) to deliver the operational capabilities of the GDDS and the higher-level taxonomy objectives to be fulfilled by the use cases.

AD4GD

The building blocks, components and results from [AD4GD project](#) supporting semantic interoperability in a green deal data space will be considered in SAGE. These include the Green Deal Information Model (GDIM), which harmonizes and aligns relevant cross-domain standards with well-known domain models.

FAIRcube

The [FAIRcube project](#) aims to unleash potential environmental, biodiversity and climate data through dedicated European data spaces. The project has created FAIRcube HUB, a platform and framework for data ingestion, provision, analysis, processing and dissemination. A key focus is to enable users to scope the requirements and costs of their desired analyses.

USAGE

[USAGE](#) (Urban Data Space for Green Deal) provide solutions and mechanisms for making city-level environmental and climate data available to everyone based on FAIR principles, like: innovative governance mechanisms, consolidated arrangements, AI-based tools, and data analytics to share, access, and use city-level data from Earth Observation (EO), Internet of Things (IoT), authoritative and crowdsources.

