

GREEN DEAL DATA SPACE FOUNDATION & IT'S COMMUNITY OF PRACTICE



Common European Data Spaces



EUROPEAN
COMMISSION

Brussels, 23.2.2022
SWD(2022) 45 final

COMMISSION STAFF WORKING DOCUMENT

on Common European Data Spaces

The creation of **EU-wide common, interoperable data spaces** in strategic sectors aims at **overcoming legal and technical barriers to data sharing** by combining the necessary tools and infrastructures and addressing issues of trust by way of common rules.

A common European data space **brings together** relevant **data infrastructures and governance frameworks** in order to facilitate data pooling and sharing.

EC Staff Working Document (2022) 45 – Feb
2022

Common European data spaces

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



Health



Industrial &
Manufacturing



Agriculture



Finance



Mobility



Green Deal



Energy



Public
Administration



Skills

- 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



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 tackle climate change.



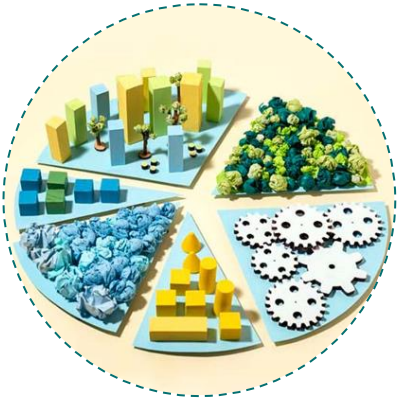
Green Deal Data Space Foundation & its Community of Practice

- **Duration:** 18 Months
- **Running:** September 2022 – February 2024
- **Consortium:** 11 Partners 3 Associated Partners





Overall objectives



**Community
of Practice**



**High Priority
Dataset**



Blueprint



**Governance & Business
Models**

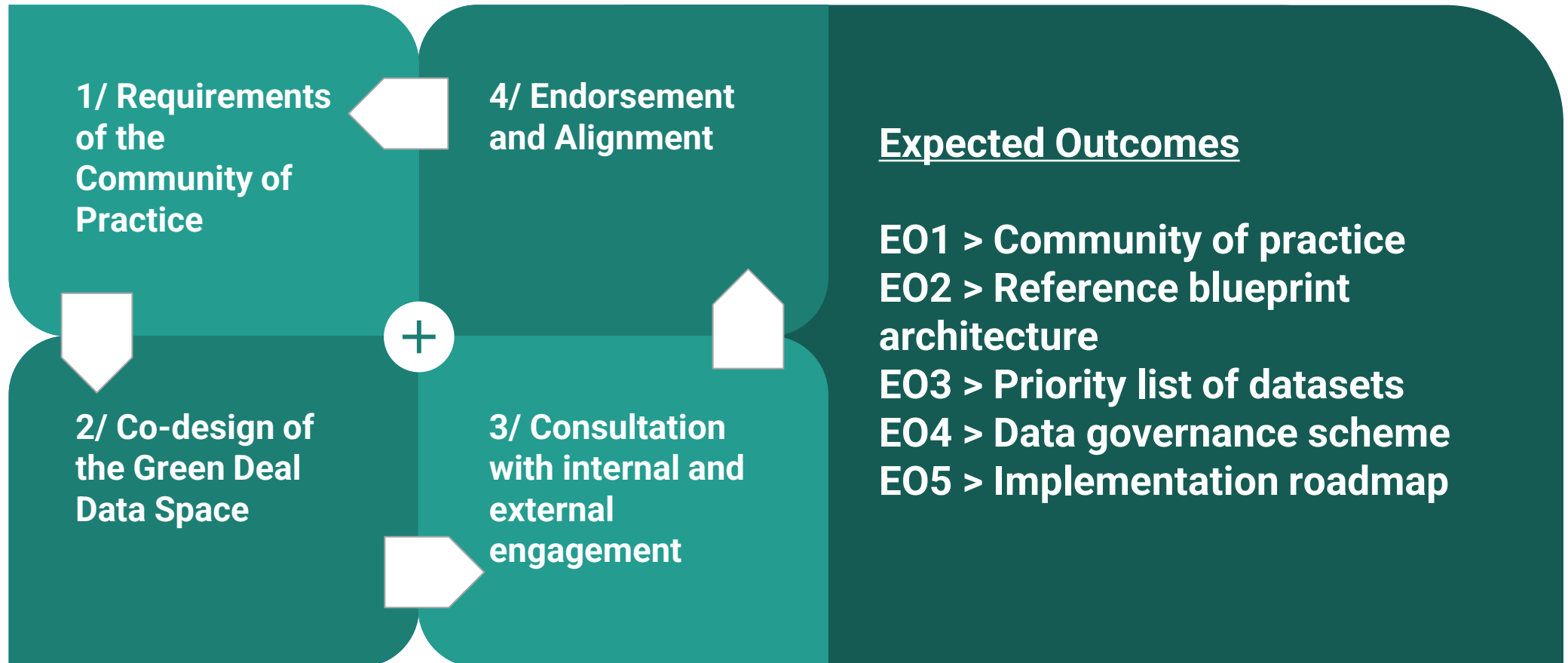


Roadmap



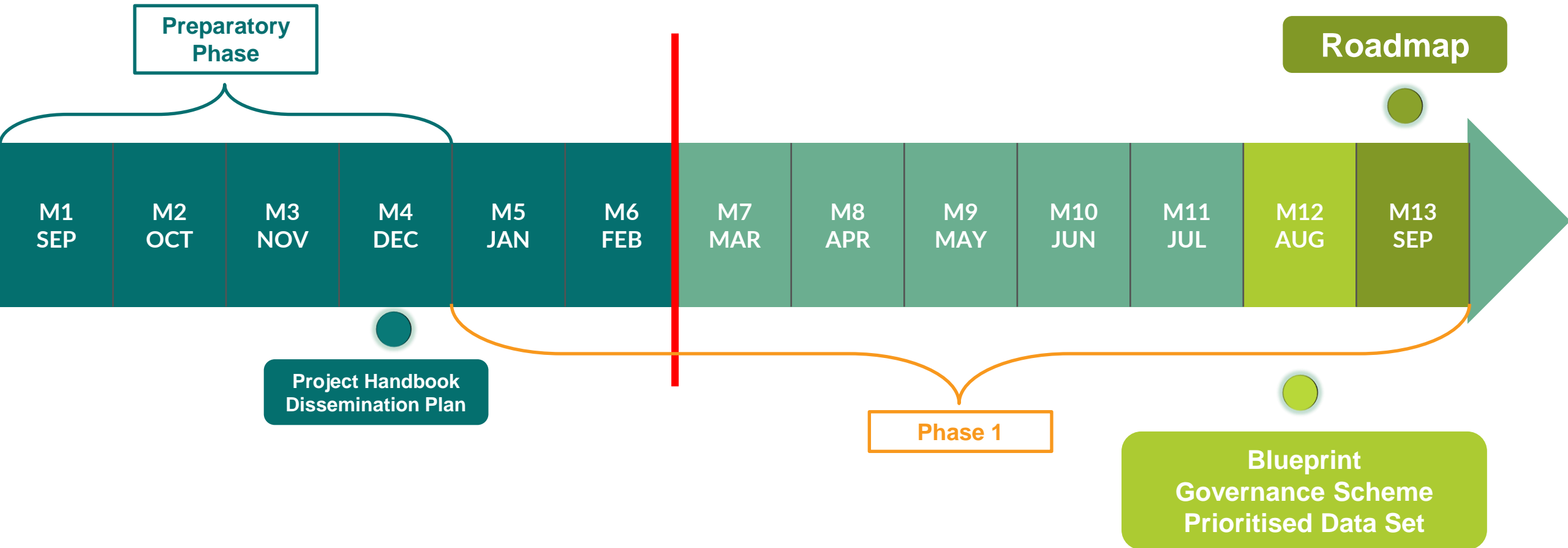


Methodology





Timeline



Strategic Green Deal Actions







Collaboration with Data Spaces Support Centre & other sectoral data space CSAs

Data space reference architecture, common building blocks and toolboxes



Guidance on regulation compliance (Data Act, Data Governance Act...)



Common standards, including semantic standards and interoperability protocols



Data governance models, business models and strategies for running data spaces



Framework for discussion with other data spaces



Cross-sectoral stakeholder engagement



Working with Initiatives & Partnerships



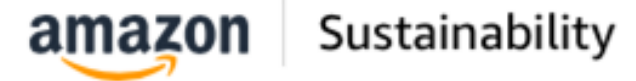
Digital Twins of the Earth



Copernicus services, Sentinel data & DIAS (Cloud platforms)



INSPIRE Directive and GreenData4All





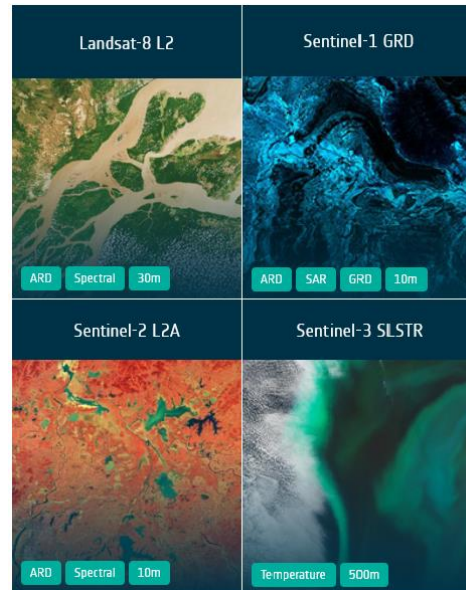
Examples: Specific Data Sets for the GDDs

Focus:

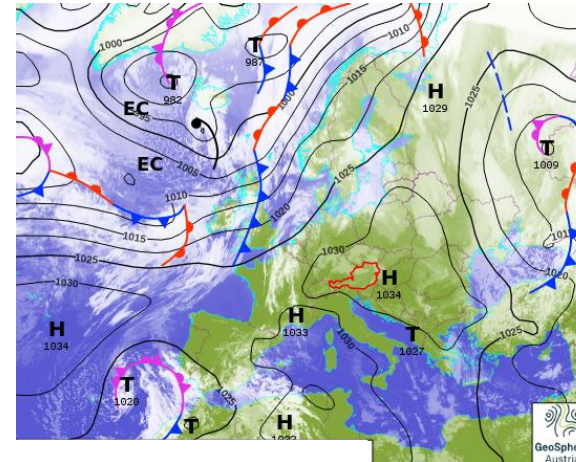


High Priority
Data sets

Earth Observation &
Environment:



Meteorological:



Statistical &
Geospatial:



And many more...

Community of Practice

Establish a GDDS community of practice, including major sectoral EGD initiatives and data ecosystems, that is committed to join efforts under a common governance framework to offer an interoperable, trusted digital ecosystem for data exploitation





USE CASES



EIRENE RI: Effects of chemical exposures in human health. Human exposome

The EIRENE RI supports an **interdisciplinary** human exposome research in a cross-cutting area of environment & health bridging the expertise in environmental & analytical chemistry, biology and toxicology, environmental & human exposure and risk assessment, epidemiology, biostatistics, bioinformatics, pharmacokinetics, and geospatial modelling.



Funded by
the European Union

<https://www.eirene-ri.eu/>



USE CASES | Water domain Task Force



**Utrecht
University**

PCR-GLOBWB2 hydrological model: PCR-GLOBWB 2 is a grid-based global hydrology and water resources model developed at Utrecht University.



Call for Use Cases & Community Engagement

WHO CAN CONTRIBUTE?

- Data consumers, Data providers, Data intermediaries
- Using diverse data to support the implementation of Green Deal in any of the strategic actions: Biodiversity, Zero Pollution, Climate Change

HOW CAN YOU CONTRIBUTE? (Different Levels of engagement)

- Tell us what datasets you have, what do you use them for?
- Contribute with a use case
- Tell us what data is missing, problems accessing data

HOW DO YOU HELP THE PROJECT?

- Co-design and validate the GDDS requirements and reference models

WHAT IS THERE FOR YOU?

- Become part of the GDDS Community and have your say
- Contribute to events, gain visibility & recognition
- Become an early adopter, contribute to roadmap design and more



USE CASE APPLICATION FORM



<https://www.greatproject.eu/>



HOME ▾

GET INVOLVED

GREEN DEAL COMMUNITY

NEWS AND EVENTS ▾

RESOURCES

CONTACT



Would you like to get involved now?

Fill in the form. Let us know what your profile is and leave your contact details. GREAT Team will contact you shortly to share more details and suggestions on how to get you involved.

Your email

Your Name

Your Last name

Your Organization

SAVE THE DATE

Green Deal Data Space Webinar



1 March 2023



10:00-11:30 (CET)





Follow us!



<https://www.greatproject.eu/>



@GreenDealDS



Green Deal Data Space



The background of the slide is a light green circuit board pattern with various lines, nodes, and pads.

Thank you!

info@greatproject.eu