



THE GREEN DEAL DATA SPACE ITS FOUNDATION & COMMUNITY OF PRACTICE



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



Consiglio Nazionale
delle Ricerche



Utrecht
University



seascape
BELGIUM



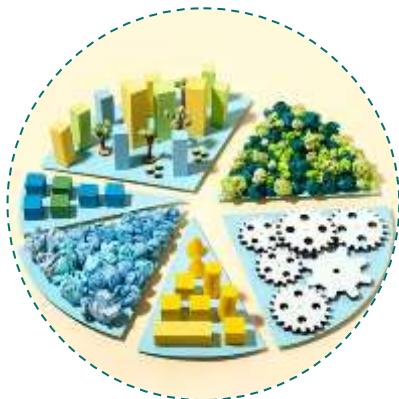
ISTITUTO NAZIONALE
DI GEOFISICA E VULCANOLOGIA



Instytut Geofizyki
Polskiej Akademii Nauk



Overall objectives



Community
of Practice



High Priority
Dataset



Blueprint



Governance & Business
Models

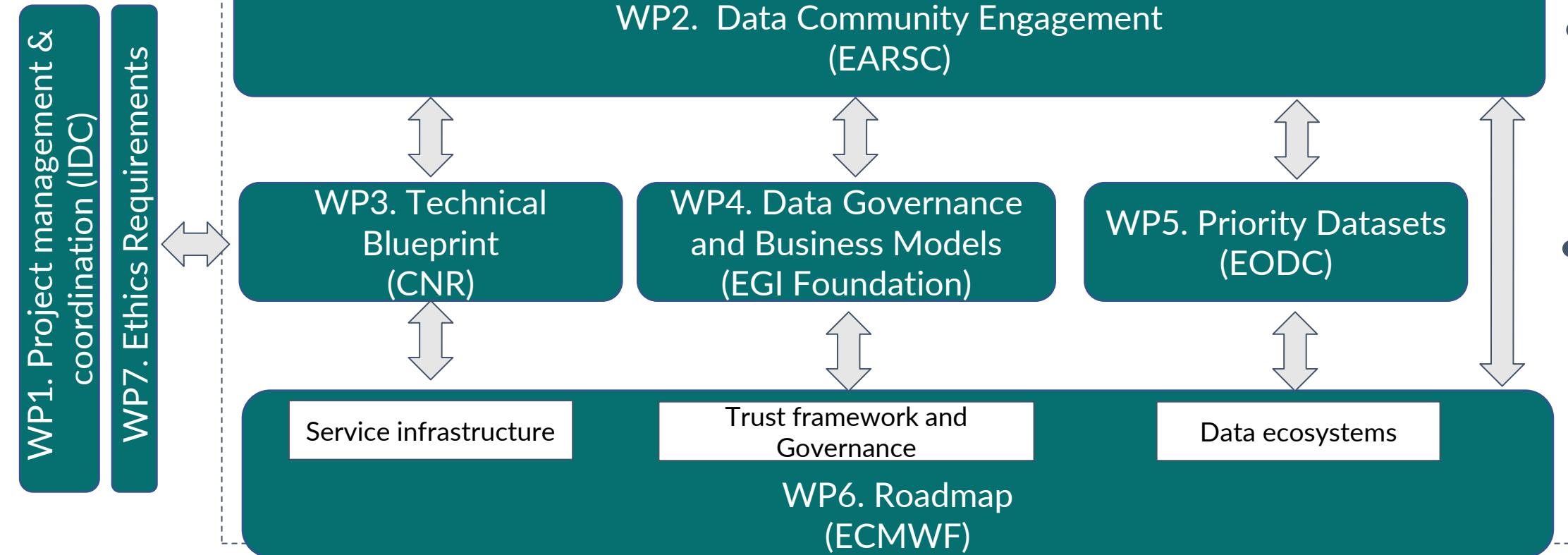


Roadmap





Work Packages



Green Deal Data Space framework



DATA SPACES
SUPPORT CENTRE

GREAT

CLIMATE PACT
AND CLIMATE LAW

DPP

GREAT

Energy

PROMOTING
CLEAN ENERGY

GREAT

PROTECTING
NATURE

Agricu
lture

FROM FARM
TO FORK

GREAT

LEADING THE
GREEN CHANGE
GLOBALLY

Energy

Smart
Cities

GREAT

CLIMATE PACT
AND CLIMATE LAW

DPP

GREAT

Smart
Cities

Mobility

Manufa
cturing

Tourism

INVESTING IN SMARTER,
MORE SUSTAINABLE
TRANSPORT

STRIVING
FOR GREENER
INDUSTRY

Health

Cultural
Heritage

ELIMINATING
POLLUTION

Smart
Cities

GREAT

Smart
Commu
nities

THE EUROPEAN
GREEN DEAL

MAKING HOMES
ENERGY EFFICIENT

FINANCING
GREEN PROJECTS

Finance

PROMOTING
CLEAN ENERGY

PROTECTING
NATURE

FROM FARM
TO FORK

LEADING THE
GREEN CHANGE
GLOBALLY

Tourism

STRIVING
FOR GREENER
INDUSTRY

Health

Cultural
Heritage

ELIMINATING
POLLUTION

THE EUROPEAN
GREEN DEAL

ENSURING A
JUST TRANSITION
FOR ALL

MAKING HOMES
ENERGY EFFICIENT

FINANCING
GREEN PROJECTS

Finance

Strategic Green Deal Actions





Aligning with Key Initiatives & Partnerships

GREAT



EMODnet
European Marine
Observation and
Data Network



European
Environment
Agency

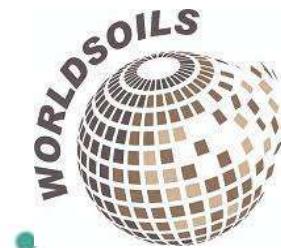
Copernicus
Europe's eyes on Earth



AD4GD



EthicalGEO



USAGE
Urban Data Space
for Green Deal

GEO GROUP ON
EARTH OBSERVATIONS

CREODIAS
powered by CloudFerro

amazon | Sustainability

Microsoft **Google**

EGU European
Geosciences
Union

MERCATOR
OCEAN
INTERNATIONAL

within the framework of INSPIRE Directive, GreenData4All and others...



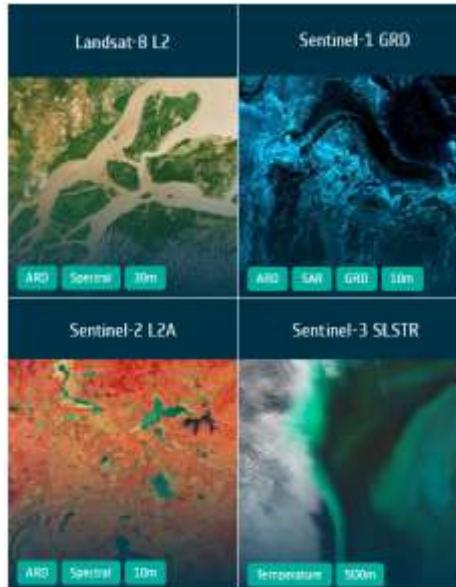
Examples: Specific Data Sets for the GDDS

Focus:



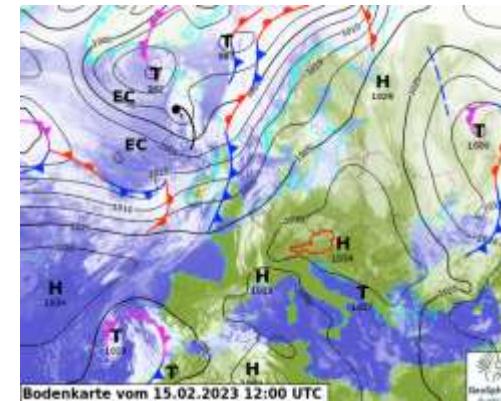
High Priority
Data sets

Earth Observation &
Environment :



E.g. Copernicus space-based or remotely-sensed data, ground-based and in situ data, ECMWF climate datasets

Meteorological:



E.g. weather station datasets, climate data, numerical weather prediction (NWP) model data

Geospatial:



E. g. Administrative units, geographical names, cadastral parcels

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.





Approach: Key Multidisciplinary Use Cases



GOS4M

Global Observation System For Mercury (GOS4M) is a GEO Flagship aimed to support the Minamata Convention on Mercury Secretariat, the UN Environment Mercury Fate & Transport Partnership and all Nations in the follow up of the Conferences of Parties (COP) related to the Effectiveness Evaluation and Global Monitoring framework.

Zero pollution - air



EMODnet

A long-term marine data initiative for in situ marine environmental and human activities data, funded by the European Maritime, Fisheries and Aquaculture Fund

Biodiversity
Zero pollution
Climate change adaptation



Water Task Force

Global hydrology modeling

Seasonal forecasting of water resources

Global hydrological simulations with the PCR-GLOBWB2 hydrological model. The simulations result in information on the space time development of key hydrological variables, like discharge, runoff, snow cover, soil moisture and groundwater. The model is being used in seasonal forecasting of water resources.

Zero pollution – water
Climate change adaptation - geohazards



BioGIS 360

Tool for biodiversity monitoring providing an essential aid with the integration of considerations, reporting and biodiversity maps in their decision-making aspects to simplify the information exchange and promptly mitigate and manage the possible environmental impacts during the new green power plants planning.

Biodiversity
Climate change adaptation

YOUR USE CASE

GET INVOLVED

Biodiversity
Zero pollution
Climate change adaptation



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



@GreenDealDS



Green Deal Data Space



A light green circuit board pattern serves as the background for the entire slide, with various green lines and pads forming a complex network.

Thank you!

info@greatproject.eu

Workshop

By 2050 we have the Common European Data Space



- How did the data spaces contribute to the achievement of the goals?
- How did the data spaces respond to the needs of the NMCAs community?
- Which were the key elements to make data spaces efficient? What made the Common European Data Spaces a success?
- **How did NMCAs become a part of the data spaces? What changes (in e.g., governance or infrastructure) had to be made to make it possible?**
- How did the high value datasets act impact the ecosystem? What kind of actions did NMCAs need to do to implement the act?
- **What was their motivation to include their data in European Common Data Spaces?**
- **What challenges have they faced and how did they overcome them (data-related)?**