GREAT

Green Data For All
INSPIRE CONFERENCE 2023

Priority Data Sets

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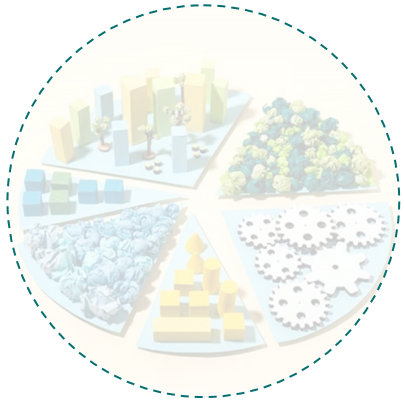
Objective



Community of Practice

High Priority Data Sets

Blueprint

Governance & Business Models

Roadmap

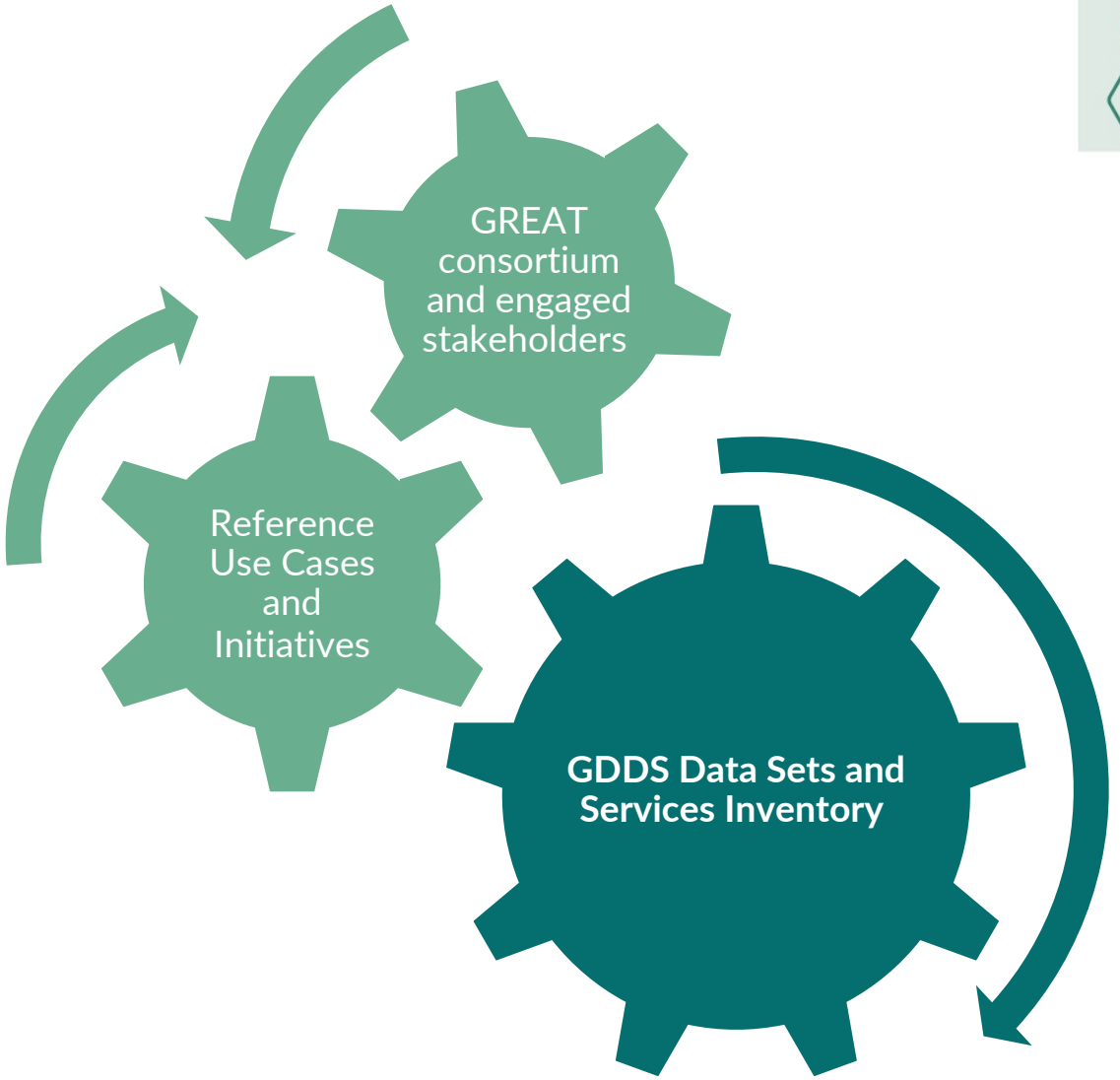
Establish a minimum viable data space for the EGD identifying **an expandable set of data sets** required to **support key use cases** required to enable **achievement of EGD objectives**.

Approach

Knowledge collection from:

- Reference Use Cases and Initiatives
  - Interviews with specific data users and providers
  - Collection of data requirements and gaps
  - ➢ Data Set Inventory: list of specific data sets required by the use cases

- GREAT consortium and engaged stakeholders
  - Engagement with stakeholders from different domains related to the EGD
  - ➢ Data service inventory: list of data service/portals/catalogues



Data Sets Inventory - Reference Use Cases and Initiatives

GREAT

Water Task Force

- Global hydrology modeling
- Seasonal forecasting of water resources

Zero pollution – water
Climate change adaptation - geohazards

Marine Task Force

- EMODnet

Biodiversity
Zero pollution
Climate change adaptation

GOS4M

Zero pollution - air

EPOS

Zero pollution
Climate change adaptation

BioGIS 360

Biodiversity
Climate change adaptation

AI4TREES

Biodiversity
Climate change adaptation

Natural Capital

Biodiversity
Climate change adaptation

BIODIVERSITY IN WADDEN SEA

Biodiversity
Zero pollution
Climate change adaptation

SHARED PUBLIC ADMINISTRATION FOR CLIMATE CHANGE AT THESSALONIKI METROPOLITAN AREA

Climate change adaptation
Zero pollution

HARMONIA

Climate change adaptation

USAGE

Climate change adaptation

Data Services Inventory – Phase 1

- Constantly expanding inventory of data services related to the Green Deal
- Mapping of services with respect to the High Value Datasets (Directive)

ID	Data Service Information	
#	Service name	URL to API
1	Copernicus Global Land Service	https://land.copernicus.eu/global/products/
2	Joint Research Centre Data Catalogue	https://data.jrc.ec.europa.eu/dataset
3	Copernicus Atmosphere Monitoring Service	https://ads.atmosphere.copernicus.eu/cdsapp#!/search?type=dataset
4	Copernicus Open Access Hub	https://scihub.copernicus.eu/
5	NOAA National Centers for Environmental Information - Paleoclimatology Data	https://www.ncei.noaa.gov/products
6	Climate Data Store	https://cds.climate.copernicus.eu/api-how-to
7	GBIF	https://www.gbif.org/
8	GOS4M Catalog	https://sdi.iia.cnr.it/gos4mcat/srv/eng/catalog.search#/search
9	GEOSS Portal	https://www.geoportal.org/?m:activeLayerTileId=osm&f:dataSource=dab
10	Earthref - Earth Reference Data and models	https://earthref.org/#gsc.tab=0
11	Copernicus Emergency Services	
12	AEMET	https://www.aemet.es/en/eltiempo/observacion
13	Pangea (Data Publisher for Earth & Environmental Science)	https://pangaea.de/
14	MISTRALS database	http://mistrals.sedoo.fr/
15	EDGAR - Emissions Database for Global Atmospheric Research	https://edgar.jrc.ec.europa.eu/emissions_data_and_maps
16	LUCAS	https://ec.europa.eu/eurostat/web/lucas/data/database
17	KNMI data platform	https://dataplatform.knmi.nl/organization/knmi
18	ACTRIS - Aerosol Clouds and Trace gases Research Infrastructure	https://actris.nilu.no/
19	Copernicus Marine Service	https://data.marine.copernicus.eu/products
20	EEA Data Hub	https://www.eea.europa.eu/en/datahub

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Prioritisation

Prioritisation of the data sets and services: identification of data sets/services with the highest priority for the future implementation of the GDDS.

Relevance to the Reference Use Cases and Initiatives

- How many RUCIs use this data set/service?
- Is it a required data set/service?

Relevance to the strategic actions that GREAT focuses on and their objectives

- 2030 Biodiversity Strategy
- Zero Pollution Action Plan
- Climate Change Adaptation Strategy

Relevance to EGD initiatives and programmes

- Copernicus programme and its DIASes (CDSE, ECMWF CDS etc.)
- Destination Earth
- INSPIRE
- EMODNET
- EGDI
- HVD

Data offering completeness

- What is the spatial coverage of this data set/service?
- What is the temporal coverage of this data set/service?

Data FAIRness

- How well does this data set/service comply with the FAIRness principles:
- Findable
- Accessible
- Interoperable
- Reusable

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Data gaps

We consider data gaps data that:

- Do not exist!
- Exist but are hard to utilise alone or combination with other data types
- Exist but are hard or impossible to access
- Exist but are hard to openly use because of ethical implications
- ...

Our goal is to raise awareness of these constraints and contribute to enabling the use of these data in the future!

Some characteristic examples:

Local data about water reservoirs (gauge data, temperature, streamflow)
Near real time in-situ meteorological data in a unified cross-border specification
Continuous mobility data records
High-resolution gridded information about biodiversity
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