



AllData4GreenDeal

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CREAF



Learn more here:

<https://www.ad4gd.eu/>



ATHENS 7-9 DECEMBER 2022





Our view:

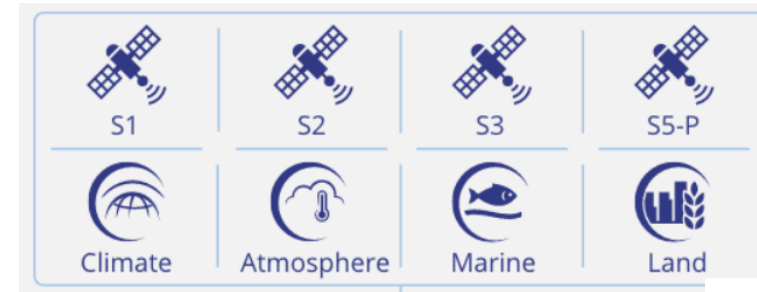
The data space was started many years ago



- Directive 2007/2/EC of the European Parliament and of the Council of 14 March 2007 establishing an Infrastructure for Spatial Information in the European Community (INSPIRE) was published in the official Journal on the 25th April 2007. The INSPIRE Directive entered into force on the 15th May 2007



Widening the space





Even wider



WWW.WEKEO.EU





We do not have to create a new cyberinfrastructure

Bring together relevant *data infrastructures* and *governance frameworks* in order to facilitate data pooling and sharing.

They:

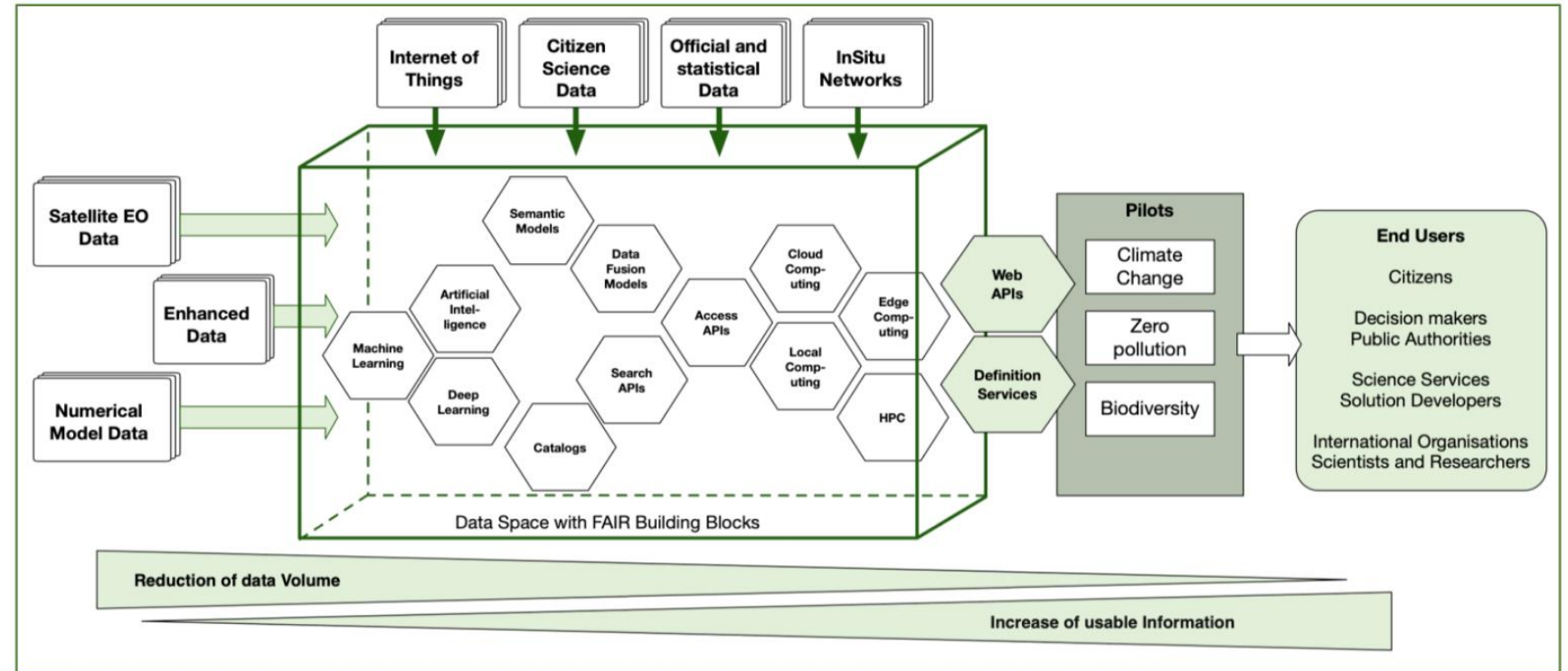
- (i) **deploy** data-sharing tools and services for the pooling, processing and sharing of data by an open number of organisations, as well as federate energy-efficient and trustworthy cloud capacities and related services;
- (ii) **include** data **governance structures**, compatible with relevant EU legislation, which determine, in a transparent and FAIR way, the rights concerning access to and processing of the data;
- (iii) **improve** the *availability*, *quality* and *interoperability* of data – both in domain-specific settings and across sectors.

<https://digital-strategy.ec.europa.eu/en/library/staff-working-document-data-spaces>



Instead

- We are proposing a very open approach based on
 - building blocks
 - standard approach based on APIs
- Integration, integration, integration
- Focused on end users





Our solution

- Interoperability
 - Encourage implementation of the new OGC APIs including STA
 - Improve semantic interoperability by means of Essential Variables
 - Improve data quality descriptions
- Defragmentation
 - By applying Data sharing and FAIR principles
 - Reusing existing cyberinfrastructures such as EOSC and GAIA-X
- Demonstrations



Demostrations

- In Water quality lakes (In the city of Berlin)
- In Biodiversity Corridors (In the Metropolitan Area of Barcelona)
- In Air Quality (with low cost sensors)





Among the sister projects

- We are not about data cubes
 - So they will provide the datacube component to the data space.
- Complemented by Remote Sensing
- We are not about OGC API Coverages and datacubes
- We should collaborate in a common defragmentation strategy
- We are focus on “other sources”
 - Observations
 - IoT
 - Citizen Science
- Complemented by Socioeconomic and AI
- We are about OGC API Features and SensorThings API...
- We need a common defragmentation strategy



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SEVERO
OCHOA
EXCELLENCE

Grant agreement ID: 101061001

EU contribution: € 4 136 964,75

Partners: 9+2+1=12

Start date: 1 September 2022

End date: 31 August 2025

Duration: 36 months

Workpackages: 9

Person Months: 477+120+51=648





Backup

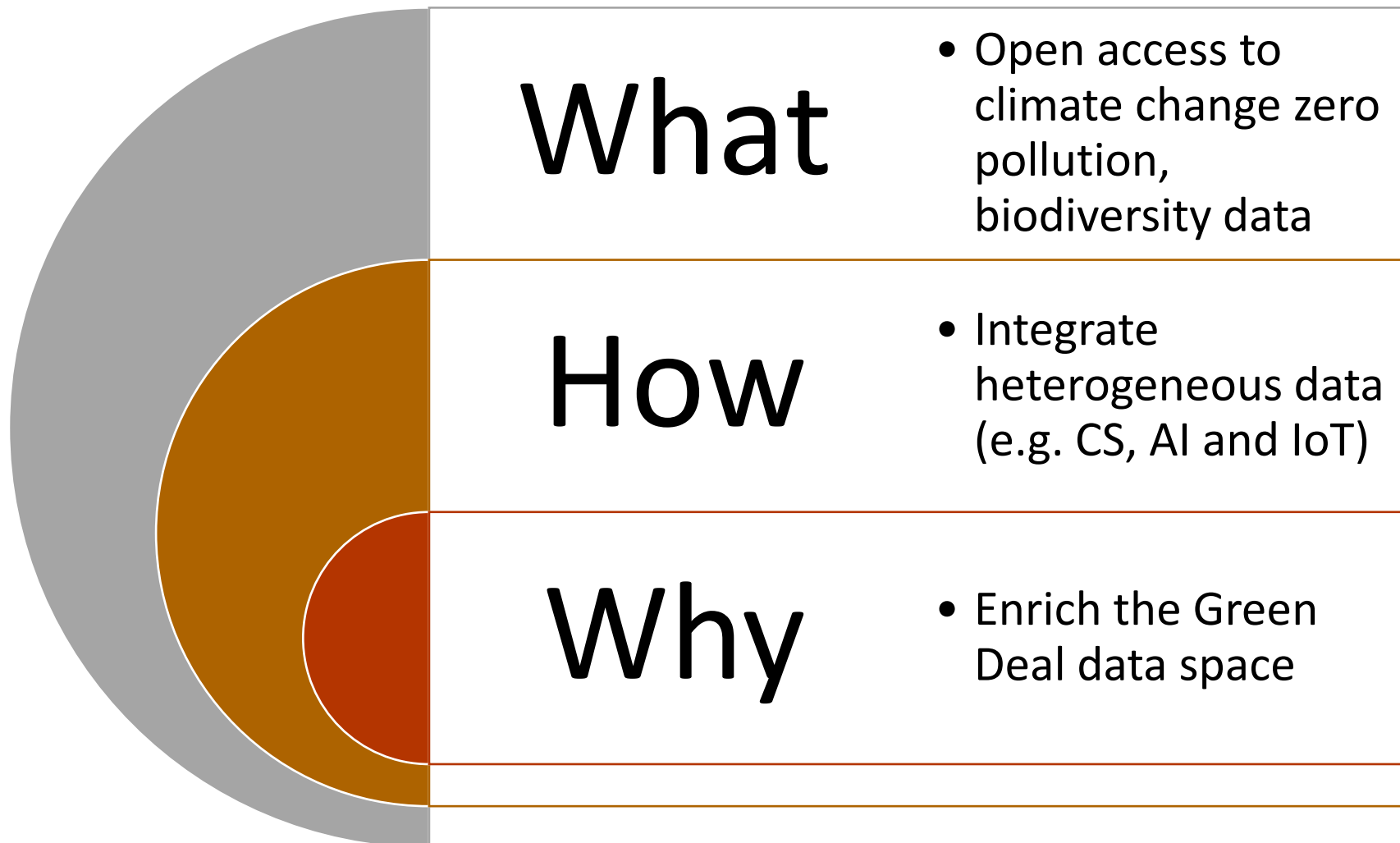


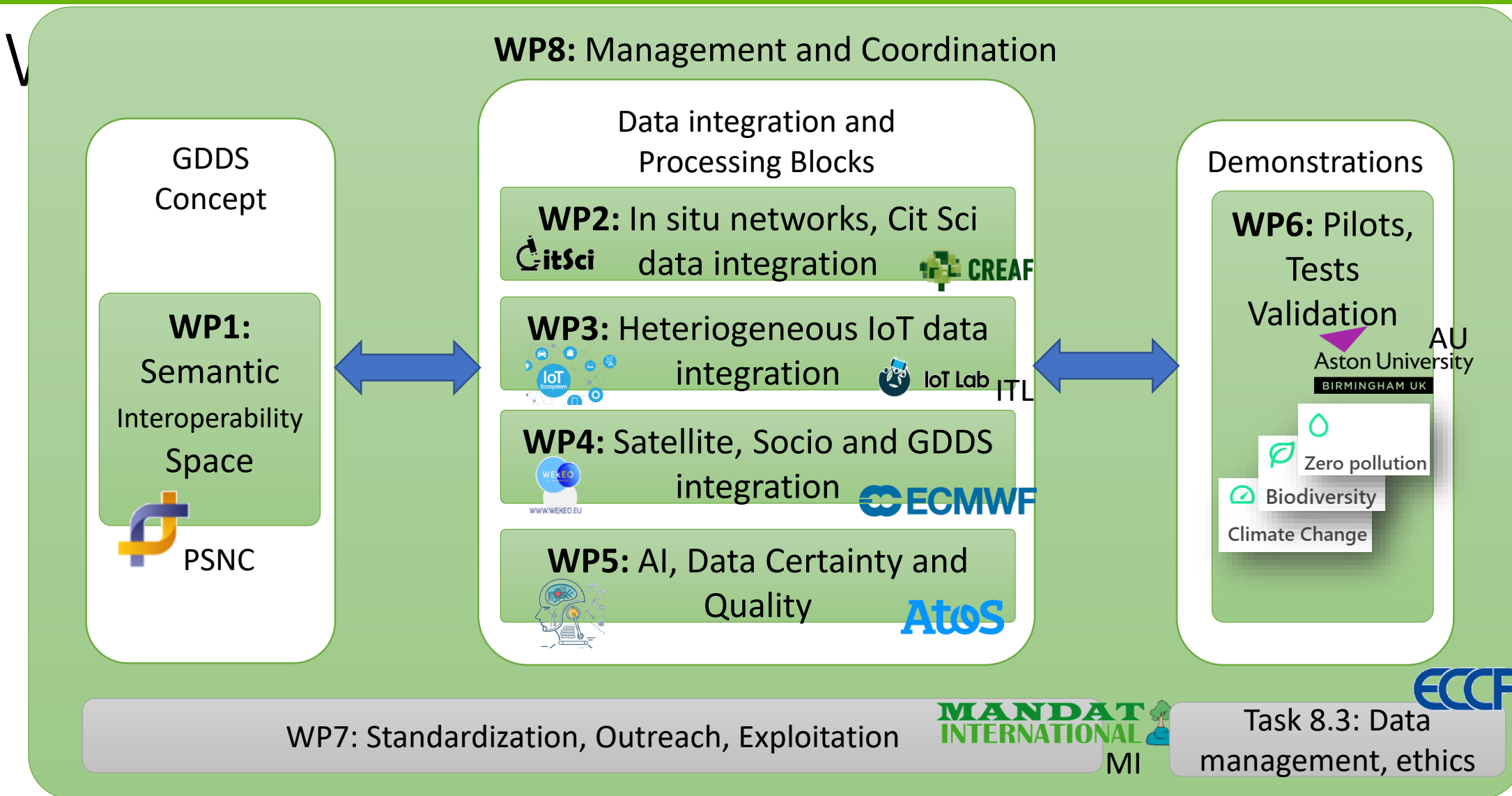
- Contribution

- Standards, best practices, technology demonstration (applied in pilots)

- Impact

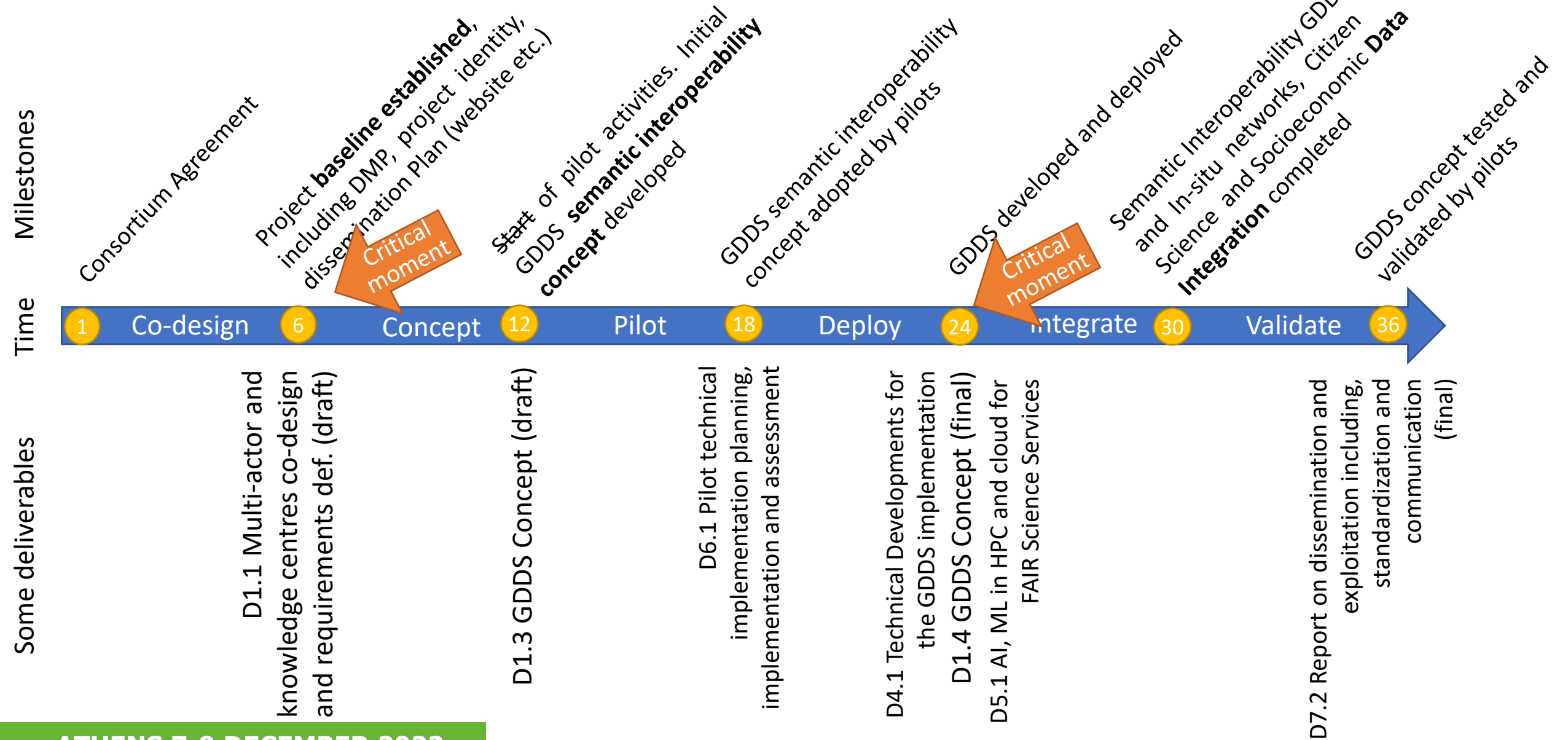
- Enable digital economy (create services based on existing open data),
- Capacity to create Knowledge to find solutions to mitigate and cope to the global change effects that decisions makers (EC, UN) can apply





Timeline of the project (only some Ds are shown)

EUROGEO WORKSHOP 2022



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