DYDAS Dynamic Data Analytics Services

PLATFORM PRESENTATION

The DYDAS project involves the creation of a **platform** capable of handling large volumes of dynamic data, enabling the public sector and industry to **benefit from large-scale data analysis**.
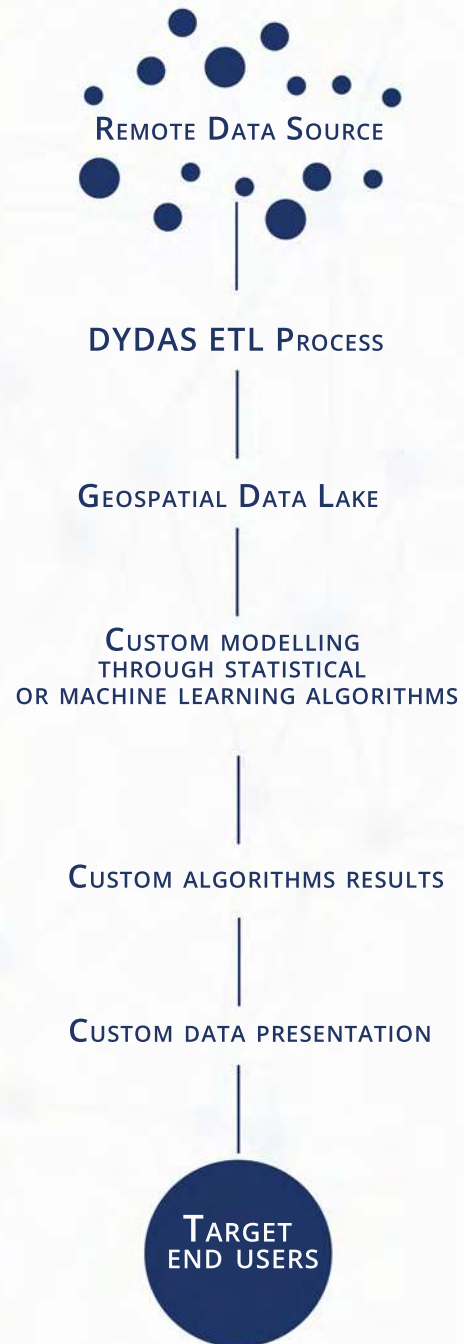
DYDAS promotes **the sharing and re-use** of public and private data in a **secure environment** and through innovative monetization mechanisms.

The platform acts as an **e-marketplace** for data access, and is equipped with **HPC-enabled services based on Big Data technologies**, **machine learning**, **AI** and advanced services.

DATA FLOW MANAGEMENT

DYDAS gathers up data from various sources into the datalake, **ready for processing**.

Data can be analyzed by end users through **custom data modelling** and then results can be observed on advanced **data analytics dashboards** configurable on the platform or through standard **OGC APIs** with any compatible tool.

REMOTE DATA SOURCE

DYDAS ETL PROCESS

GEOSPATIAL DATA LAKE

CUSTOM MODELLING
THROUGH STATISTICAL
OR MACHINE LEARNING ALGORITHMS

CUSTOM ALGORITHMS RESULTS

CUSTOM DATA PRESENTATION

TARGET
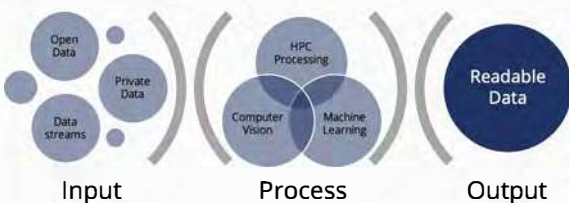END USERS

Beta version expected in Nov2021!

PLATFORM PRESENTATION
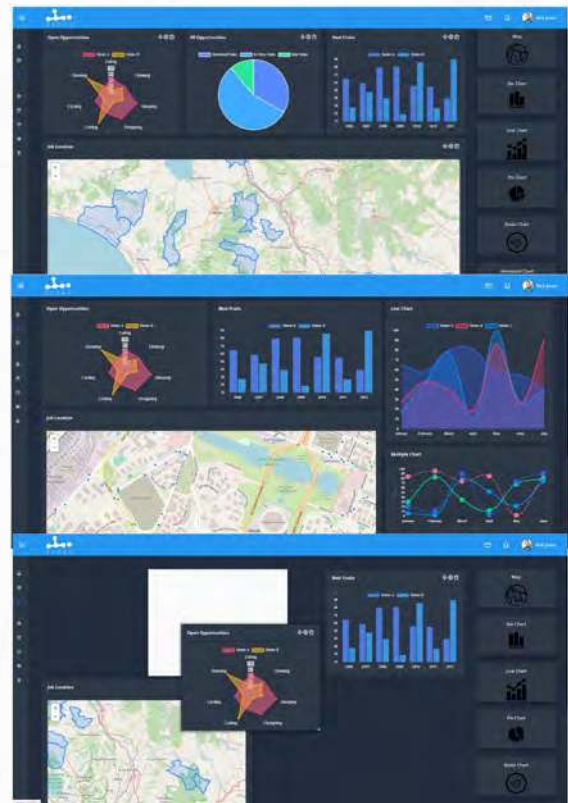
DATA PROCESSING
HPC INFRASTRUCTURE

A key factor in data analysis is the expertise to interpret and scattered data into useful information and knowledge that can benefit community and business.

The platform allows **to interact with the data gathered into the datalake**, both open data and private datasets, and develop custom models to obtain readable and ready to use data.

Resulting data can be shared or monetized, and presented through customizable dashboards as a service to clients or community.

Input   Process   Output

Beta version expected in Nov2021!

DATA PRESENTATION

DYDAS platform offers **customizable dashboards**, that can be set by both expert and non expert users, to enable different points of view for data analysis.

Data can be analyzed through **interactive maps**, standard **multidimensional graphs** and **intuitive tools**.

Project Number: 2018-IT-IA-0101
Duration: 01/12/2019 – 30/09/2022

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PLATFORM PRESENTATION

THE ROLE OF OPEN DATA AND DATA GATHERING.

In DYDAS, Open Data are the basic building blocks that allows users to apply their knowledge and obtain results in specific fields.

POPULATION STATISTICS

SATELLITE IMAGING

EDGE COMPUTING DATA

IoT DATA

IMAGE TAGGING

GEOGRAPHICAL DATA

SOCIAL DATA

Combining Open Data with private data or with other open data, allows users or companies to create their own business based on data analytics or to increase community awareness.

THE ROLE OF COMMUNITY

The end users can use data to **perform analysis, create new datasets, interpolate various data and succeed in getting innovative results**.

The resulting datasets can be used both for personal or professional benefit, be shared with the community or be monetized.

KNOWLEDGE

DATA

EXPERTISE

RESULTS

Beta version expected in Nov2021!

D Y D A S Dynamic Data Analytics Services

PLATFORM PRESENTATION

DATA MONETIZATION

Users can share their results with others, use results in their work or monetize them by supplying paid services through the marketplace.

Expertise and knowledge applied on data can produce innovative results that can benefit both the community and the owner of the models or data.

Beta version expected in Nov2021!

Mobility

Social analysis

Market Forecasting

Location Value

Energy

Maritime

Economic Estimates

PARTNERS

K2 *development innovation*

ENEA

GMATICS BIG GEOSPATIAL DATA MADE READY

ITHACA INFORMATION TECHNOLOGY FOR HUMANITARIAN ASSISTANCE COOPERATION AND ACTION

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