

DYDAS is based on the creation of a digital platform capable of handling large volumes of dynamic data, enabling public sectors and industry to benefit from large-scale data analysis and to promote the sharing and reuse of public data/information and privately securely.

The overall goal of DYDAS is to develop a collaborative platform to offer data, algorithms, processing and analysis services to a large number of users from different public and private user communities.

The digital platform will allow transactions to be made to access data and value-added services through the use of High Performance Computing (HPC) systems based on Big Data, Machine Learning (ML), Artificial Intelligence (AI) and advanced data analysis.

Georeferencial dataset

A key and differentiating element of the project will be the implementation of a geospatial data architecture. Architecture that, through the adoption of a geospatial data model and interoperability rules, allows the integration and seamless processing of large data sets for innovative use.

Project duration: 01/10/2019 - 30/09/2022 Budget: UE 2,045,580 (co-financing 70%).



Emerging technologies are opening a new information age and are based on the ability to collect and process large amounts of data, millions of times more than in the last 10 years. This revolution is happening in terms of quantity and variety. It is happening thanks to the rapid development of IoT devices, sensors, intelligent automation systems and all new M2M data communications. In this context, the ability to manage large amounts of data is linked to the need for adequate HPC (High Performance Computing) infrastructures and related implementation techniques.

It is in this context that the DYDAS project was born, co-financed by the European program **CEF TELECOM 2018**.

In line with the objective of the CEF 2018 work program and the CEF-T-5 call, the project will contribute to the European data infrastructure by improving the sharing and reuse of public and private data. By enabling the use of dynamic datasets such as Earth observation satellites and vehicle data, by promoting HPC-based R&D through an integrated research laboratory and scientific knowledge and collaboration system, by offering services and tools based on HPC is easy to use, through specialized interfaces and designed to offer different user experiences to a wide range of users.

The project will test the platform's data analytics capabilities through the integration and operation of three use cases:

## **3 USE CASES**

Energy

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DYDAS

Maritime

Co-financed by the Connecting Europe Facility of the European Union

## WHAT IS "CEF TELECOM"?

The **Connecting Europe Facility (CEF)** in the telecommunications sector is a key instrument of the EU. It facilitates international interaction between public administrations, businesses and citizens through the spread of digital service infrastructures and broadband networks.

Funded projects contribute to the creation of a European ecosystem of interoperable and interconnected digital services in support of the digital single market.

In line with the objective of the CEF 2018 work program, the DYDAS project aims to contribute to the European data infrastructure by improving the sharing and reuse of public and private data. This will create business opportunities that can foster the growth of existing markets and the emergence of new innovative and sustainable solutions.

Project coordinator



Partners







