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WP5: The Vaia Observatory

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Objectives WP5

- 1) Create a repository of data and tools related to the project activities
- 2) Provide the necessary infrastructure that allows to collect, manage, and store datasets and link documents
- 3) Allow assisted uploading and sharing of data with other project participants and with the broader public



How?

- 1) Platform development
- 2) Data collection and organization
- 3) Development of ways to maximise the public use of the data

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Web-GIS

Using a Web-GIS, the exchange of information takes place between a server and a client.

The server is a "Geospatial Information System (GIS) server"

The client is a web browser, desktop application o mobile app



The platform is a Web-GIS?



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Spatial Data Infrastructure (SDI)

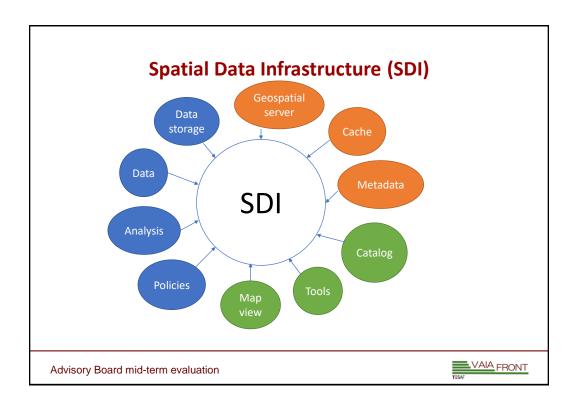
Is framework of technologies, policies, and institutional arrangements

that together facilitate

the creation, exchange, and use of geospatial data and related information resources across an information-sharing community.

U.S. National Research Council 1993





Geonode

GeoNode is an Open Source Content Management System (CMS) for geospatial data.

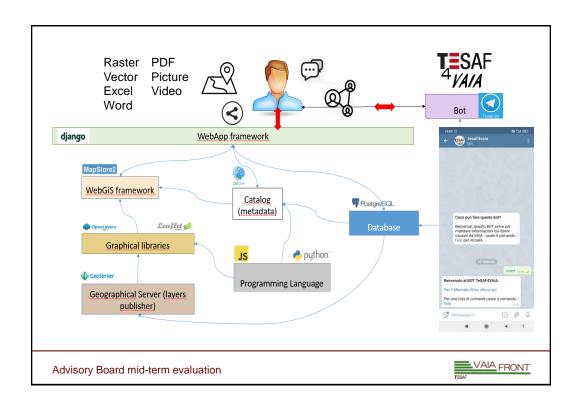
It is a web-based application and platform

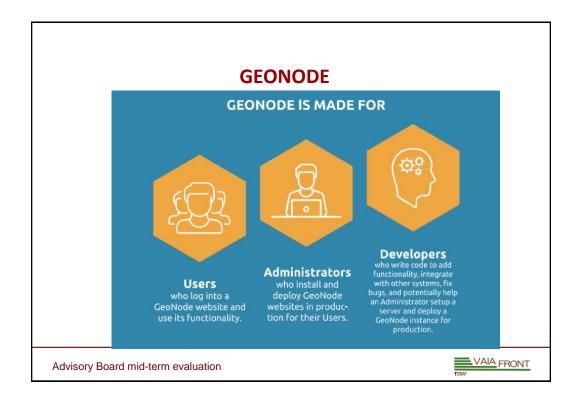
for developing geospatial information systems (GIS)

and for deploying spatial data infrastructures (SDI).









GEONODE

Features

Spatial Data Discovery

- · Spatial research Engine
- Federated OGC services
- · Metadata Catalogue

Import and Manage

- · Publish raster, vector, and tabular data
- Metadata management
- · Secure file sharing

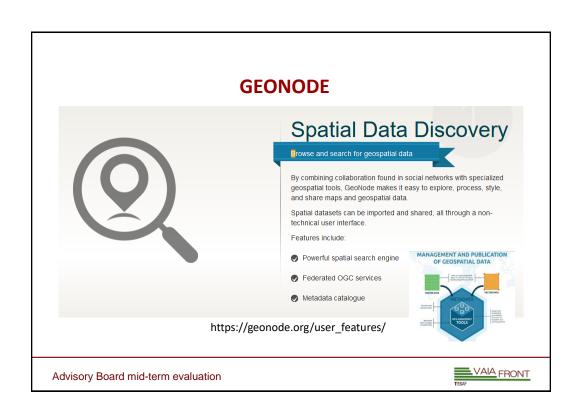
Interactive mapping

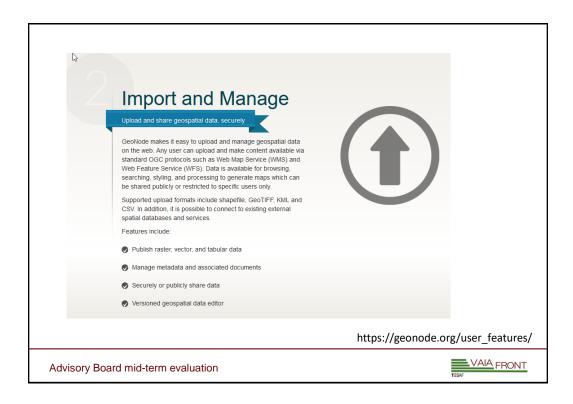
- · GeoExplorer GIS client
- Graphical style editor
- · Create multi-layer interactive maps
- · Share and embed maps in web pages

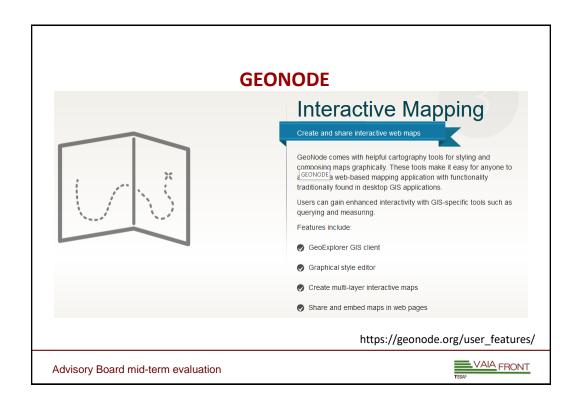
Collaboration

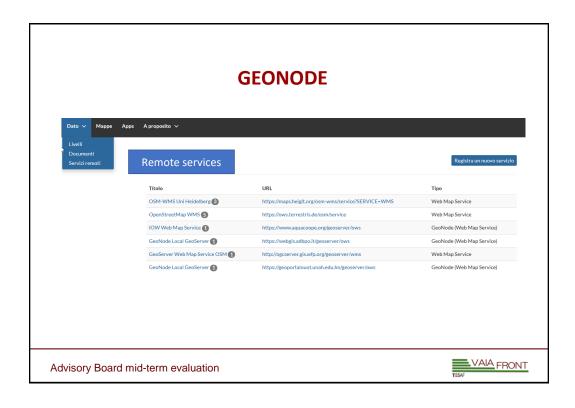
- · Quality score on data
- Group of users
- · Post and message service

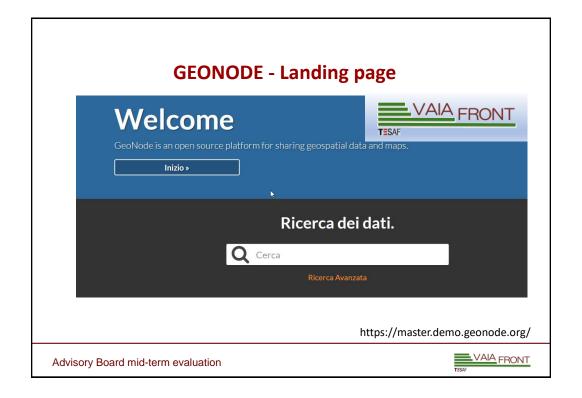


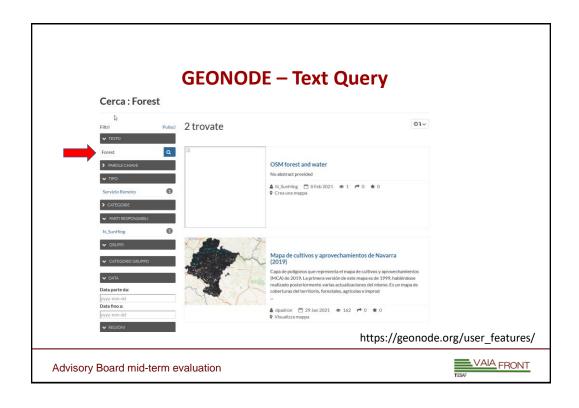


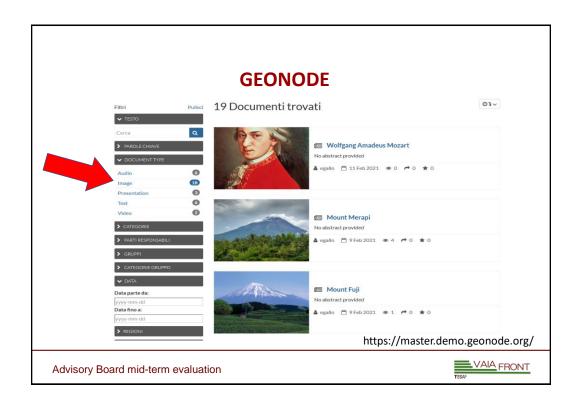


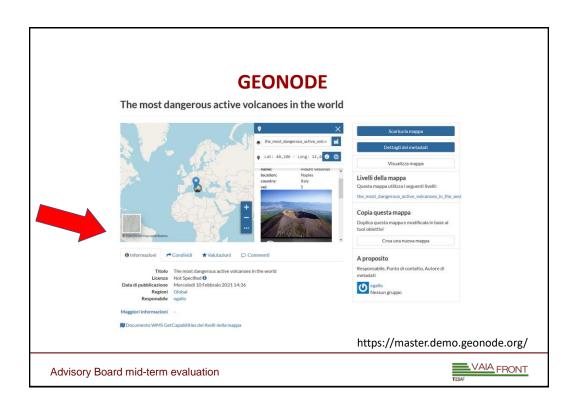


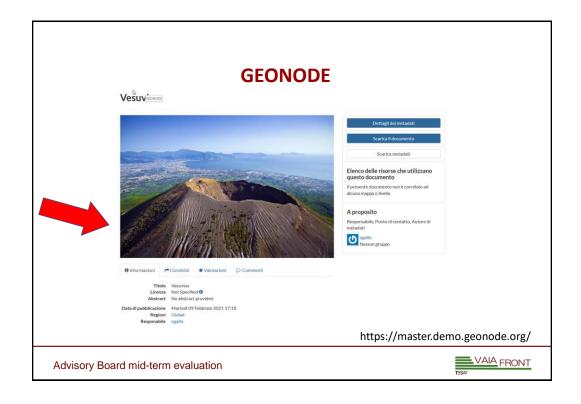


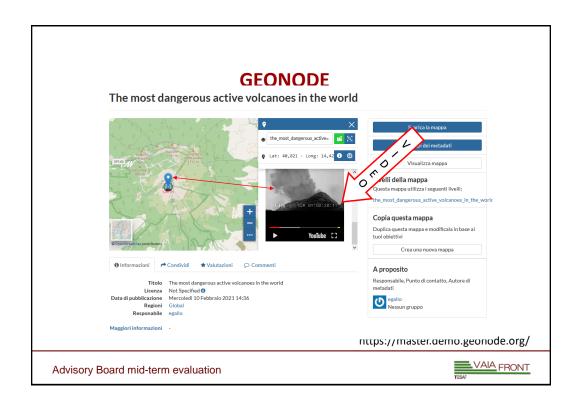


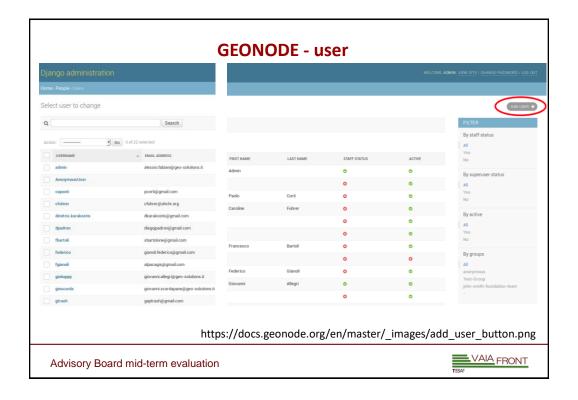


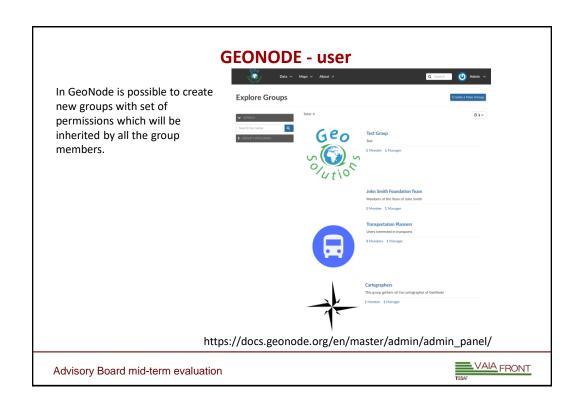


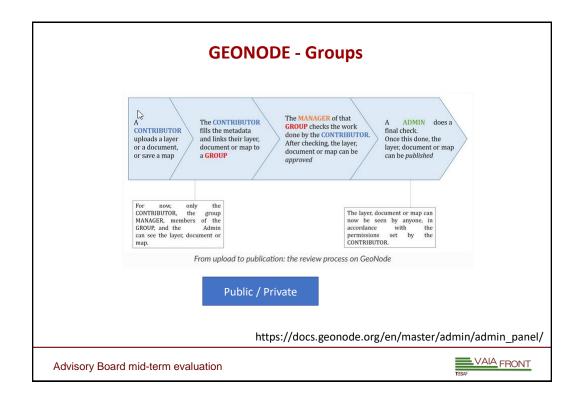












LICENSE

Before upload a dataset you have to answer some question:

Can I share the data set?



Is my dataset copyrighted?

Do I have the right license?

Do I need to pay fee of charge for sharing copyrighted material, or do I need only a written authorization?

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Inspire

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)



The Directive requires that common Implementing Rules (IR) are adopted in a number of specific areas (Metadata, Data Specifications, Network Services, Data and Service Sharing and Monitoring and Reporting) → GEONODE

https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:02007L0002-20190626



Inspire

CHAPTER V DATA-SHARING Article 17



[...] measures provided for in paragraph 1 <u>shall preclude any restrictions likely to create practical</u> obstacles, occurring at the point of use, to the sharing of spatial data sets and services.



License - FREE?!



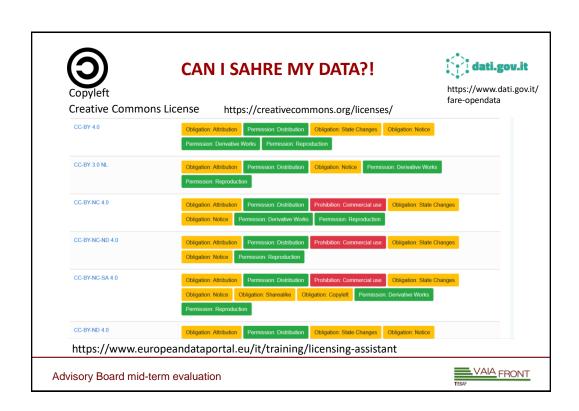
[...] member States may allow public authorities that supply spatial data sets and services to **license** them to, **and/or require payment** from, the public authorities or institutions and bodies of the Community that use these spatial data sets and services.

Any such charges and licenses must be fully compatible with the general aim of facilitating the sharing of spatial data sets and services between public authorities.

Where charges are made, these shall be kept to the minimum required to ensure the necessary quality and supply of spatial data sets and services together with a reasonable return on investment,

https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:02007L0002-20190626





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Open (Government) Data refers to the information **collected**, **produced or paid** for by the public bodies (also referred to as Public Sector Information) and made **freely available for re-use for any purpose**. The licence will specify the terms of use.



https://www.dati.gov.it/ fare-opendata

These principles for Open Data are described in detail in the Open Definition.

Public sector information is information held by the public sector. The Directive on the re-use of public sector information provides a common legal framework for a European market for government-held data. It is built around the key pillars of the internal market: free flow of data, transparency and fair competition.

It is important to note that not all of the public sector information is Open Data.

https://www.europeandataportal.eu/en/training/what-open-data

