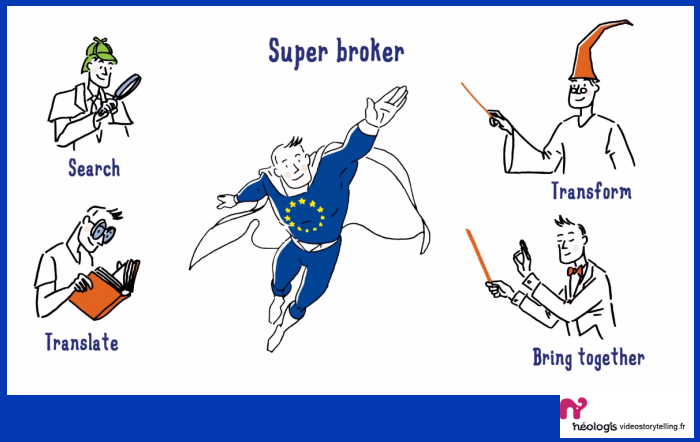
exploitation

In order to maximise the accessibility to pan-European Virtual Hub (pEVH), the ENERGIC OD project will be commercialized under a freemium license.

All data brokered by the pEVH will be available free of charge to all users (the consortium will extract revenues from the platform via advertising for free-level users). Then, two levels of premium access to ENERGIC OD will be offered: silver and gold. In silver, apart from the data brokering function of the pEVH, the users will enjoy the access to ENERGIC OD platforms and networks, as well as advertisement-free experience of the pEVH. In gold, on top of the silver–level benefits, the users will have the ability to add their own datasets to be brokered by the pEVH (thus matching them and making them interoperable with all datasets already brokered by the pEVH). Users will also have access to the premium functions of the pEVH: sensor platform, web crawler, as well as crowdsourcing platform.

The ENERGIC OD consortium found pEVH services and products to be in demand in four consolidated market segments. These are: research and education institutions, public authorities and regulators, (including local and regional governments), NGOs, and SMEs. We marketed the pEVH reaching out to over 150 organisations from the segments indicated above. This marketing operation consisted of enticing organisations across Europe to use the pEVH. A great emphasis was placed upon SMEs as target organisations given their role of innovators in the market, in line with the European Commission's aim to spur economic growth through high technology and innovation development.

ENERGIC OD video story



http://www.energic-od.eu/

ENERGIC OPEN DATA

EU Programme:

Co-funded by the European Union

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Partners:

CNR-IIA, AED SICAD, AFIGÉO, brgm, cnrs, datakode, GEOkomm, LUFTBILD UMWELT PLANUNG, POLITECNICO MILANO 1863, SRP, REGIONE DEL VENETO, IAAA Advanced Information Systems Group Universidad Zaragoza, Alkante, IGiK, TRILATERAL RESEARCH

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European NEtwork for Redistributing Geospatial Information to user Communities - Open Data

ENERGIC OPEN DATA

Objectives

Facilitating **access** to heterogeneous geospatial open data

Validate developed solutions by innovative applications inspiring business activities

Solutions

Brokering approach enabling gathering dispersed data resources

Single **access point** to geospatial data

Results

PanEuropean and 5 regional **Virtual Hubs** for open data access

10 innovative **applications** demonstrating use of VH and business opportunities

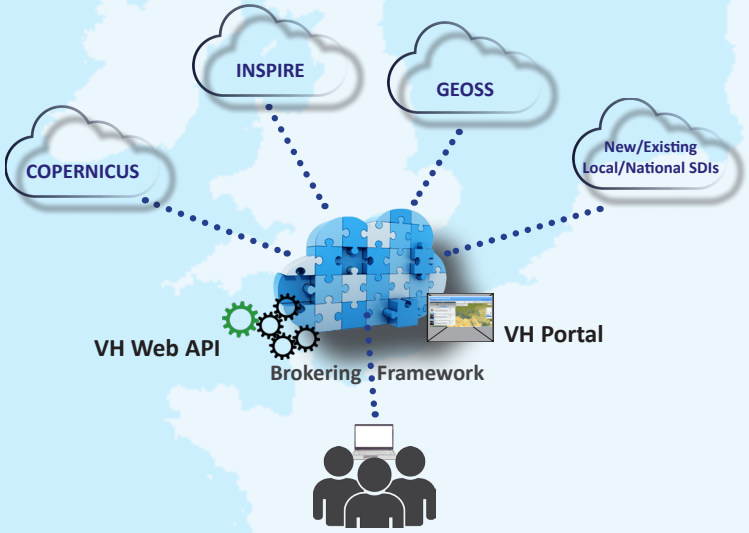
Exploitation

Post project business plan for commertialization under **freemium license**

SMEs as target organisations

http://www.energic-od.eu/

ENERGIC OD virtual hubs



The generic model of the ENERGIC OD Virtual Hub.

http://www.vh.energic-od.eu/

ENERGIC OD deploys a set of **5 Virtual Hubs at the national level** in France, Germany, Italy, Poland, Spain and an additional **Virtual Hub at the local level** in Berlin. Moreover, an **pan-European Virtual Hub** has been also developed. It incorporates all other ones and can be used as a single access point to registered open data. The important component of the ENERGIC OD solution is a crawler used for European Virtual Hub Integration. It is a data harvesting tool delivering data to the **pan-European Virtual Hub.**

selected innovative applications

A4: OnoMaP

The ‚OnoMaP' app is led by partner **CNRS-Lab-STICC** and generates noise maps via simulations and citizen-contributed noise data recovered from a smartphone application coupled with open traffic and open street map data.
The app aims to put the citizen at the centre of a data acquisition project, and highlights the community's initiatives to involve the public.

A7: Biodiversity Bird Indicator

The aim of the **LUP-Umwelt** application is to develop a standardized automated process that enables an extensive and inexpensive analysis of the status of favorable/ unfavorable habitat structure in agricultural areas using remote sensing data. This app also provides support for conservation measures and improvement of habitat structure.

A8: GeoPan Atl@s

GeoPan APP is a newly conceived service of ENERGIC OD project, based on the thought that a more informed planning process using multi-temporal Open Data could contribute to a more sustainable use of land and to a better management of the Built Environment, including risk prevention objectives. The application has a focus on valorisation of historic cartographic documentation for landscape and built environment mapping, monitoring and management. GeoPan APP emphasises on the value of digital historical cartography that is made available as Open Data (OD) and more easily accessible via sophisticated technological solution such as Virtual Hubs. The APP is being provided by **Politecnico di Milano** (POLIMI) and **Universidad de Zaragoza** (UNIZAR).

A9: GEO*demos*

GEO*demos* is a mobile application developed by **SRP**. It enables a fast and easy configuration with user-specific data representation, based on web services. The application GEO*demos* uses the interface of (ENERGIC-OD) virtual hub in order to make inquiries from the web services and accessing the data.
GEO*demos* can be incorporated into customized (customer specific) business processes of data provider, thanks to configurability of the user interface and data access.

A10: Sensor Open Data Portal

The Sensor open Data Portal application developed by **Alkante** collects measurements from various sensors (temperature, power consumption, air quality...). It normalizes them and makes them available for the Open Data community in different forms: from raw data accessed with a REST API to computed indicators outlined in diagrams, including OGC Webservices (WMS, WFS, SOS).
The application targets small and medium municipalities interested in environmental and smart-metering using sensors.
SmartCity, the web portal component of the application, allows technicians and decision makers to build their own dashboards using diagrams or maps showing sensor measures or consolidated (aggregates) measures.