

## GGIS CLOUD: VULGARIZE SDI NODE CREATION AND MAINTENANCE

Create and govern your SDI node with 3 simple clicks

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**ABSTRACT:** The creation and maintenance of a Spatial Data Infrastructure has always been a challenge faced by different organizations when making their data public.

Over the years, OGC standards and standardization initiatives (i.e. INSPIRE) have made it possible to develop interfaces for the publication and sharing of spatial information.

Under these standards, many solutions have appeared over time to meet publishing and interoperability needs, such as GeoServer, MapServer, GeoNetwork, OpenLayers, ... Thus, through the use of a series of products aimed at the publication of data, it has become possible to disseminate quality spatial information to the general public following a specific structure.

Even so, it is necessary to simplify the creation and maintenance of spatial information in a SDI node. This simplification is necessary to facilitate the publication of spatial information by the entities in charge of data generation and maintenance.

This product facilitates the achievement of the main objective of the INSPIRE Directive, which is the publication of information under quality standards for global consumption in an interoperable manner.

This cohesive interface of components and services has allowed the extraction of the basic principles of an SDI in order to be able to form it in a simple way without having any previous knowledge.

In this way, the objective of facilitating the publication of spatial information according to INSPIRE has been achieved. Going a step further, it can even be said that the work of creation and maintenance has been simplified to the point of being able to consider GGIS cloud as a popularization tool for the creation and maintenance of SDIs.

Thus, through the combination of standards and products, an interface has been achieved that allows data and services to be published vulgarly in 3 clicks:

- Upload the layer
- Select your style
- Publish and enjoy!

This infrastructure has been built on Open Source products based on standards, such as:

PostgreSQL, PostGIS, GeoServer, Geonetwork, Mapfish printing, OpenLayers, etc, obtaining a fully interoperable product due to its export capabilities based on OGC standards.

So, we would like to share this experience to be useful to the Community.

**KEYWORDS:** OpenLayers, Geoserver, Geonetwork, Geosearch, Mapea.