



## Carmenta Geodata Organiser

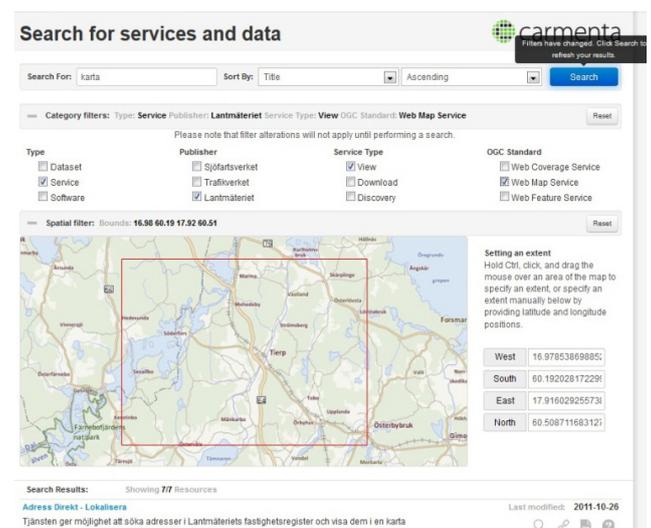
### Keep track of your GIS data with efficient and standardised tools

Carmenta Geodata Organiser is a complete solution for searching, collecting, organising, updating and publishing information about GIS data and services. It contains all the necessary tools for extracting metadata information from connected sources and building an efficient catalogue for a comprehensive view of an organisation's geodata resources. Users can easily search and find useful services or datasets. The product uses ISO standard metadata models and has certified Open Geospatial Consortium (OGC) interfaces, enabling you to publish metadata for any GIS service and dataset.

- **Great flexibility**, makes it possible to launch a geodata catalogue solution in existing GIS environments.
- **Save time and money**, through an efficient overview of GIS data resources that prevent redundancy and promotes re-use.
- **Complete solution**, contains all the necessary tools for creating an enterprise-wide geodata catalogue with state-of-the-art geoportal facilities.
- **Optimum interoperability**, based on broad support for open industry and international de-facto standards. INSPIRE ready.
- **Minimum disruption**, support for automatic metadata extraction from several data sources leaves the original data intact and stored.

overview. In many cases this results in unnecessary “re-surveying” of areas to collect GIS data that already exists within the organisation.

As the GIS is constantly evolving, the geodata is updated and changed, adding to the challenge of keeping track of resources.



A fully populated and enterprise-wide Geographical Information System (GIS) contains a large volume of geodata. Data has often been collected over a long period of time, using a range of different tools. Geodata is a valuable asset that often is underexploited due to a simple lack of

*A geoportal GUI built with the Carmenta Geodata Organiser*  
The **Carmenta Geodata Organiser** provides comprehensive support for creating and managing up-to-date catalogues of an organisation's geodata resources and GIS services. It is vendor-neutral, can be connected to a wide variety of data sources and

collects metadata information automatically. Web client tools for advanced metadata management are also part of the product. This includes a GIS portal user interface to list resources and carry out efficient searches based on metadata content. These results can be filtered and sorted in many different ways. A browser-based metadata editor is also included to add and/or edit metadata documents and records.

When browsing OGC services published in the portal, an interactive preview is also available to examine the appearance and quality of the data. The portal uses the Carmenta Server Platform's built-in support for the OGC Catalogue Service for Web (CSW) interface. Carmenta Server with the CSW Extension is used as a backend for the portal and as it has compliant support for the CSW 2.0.2 specification. In addition, other compatible clients can access the service and search its metadata content for information.

The portal can also provide service links that can be copy/pasted into standard GIS clients or download links for directly downloading datasets.

### Carmenta Geodata Organiser is a powerful tool for:

- Setting up OGC compliant catalogues of map services and GIS datasets.
- Publishing information about GIS resources through standard interfaces.
- Sharing information throughout an organisation about enterprise geodata and services.
- Automatic harvesting of metadata to keep information up to date.
- Managing GIS information and keeping an organisation's metadata up to date and readily available.

### FEATURES

- Compliant support for OGC CSW/CSW-T version 2.0.2.
- Based entirely on web technology.
- Publish metadata in multiple standard formats, including ISO19139/19119, Dublin Core and more.
- Support for multiple languages.
- Integrate multiple sources into a single catalogue.
- Support for distributed search when connected to other CSW services.
- Auto-extraction of metadata from OGC geodata services.
- A built-in database for caching metadata documents enables fast metadata searches and updates of resource lists.
- Reading of file-based metadata in multiple formats, including the INSPIRE portal format, national geodata portal formats and more.
- Validation of metadata content according to ISO standards and the INSPIRE directive.
- Plug-in architecture for connecting to data sources and adding new custom datasets.
- Work with locally stored documents as well as metadata through the CSW-T interface.
- Security settings allow metadata management based on users and roles.
- Templates for recurring fields can be saved and shared between users.
- Validation of metadata fields and warnings if mandatory fields are missing (ISO and INSPIRE requirements).
- Automatic and time-scheduled harvesting of metadata from connected sources is available, which can be configured with relevant harvesting intervals for each source.
- Version management of metadata documents is also used to keep track of changes and to always keep the latest version available for searches and retrieval.
- Easy installation, set-up and administration.



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