Oskari for Admins and Purchasers

Oskari administrative functions

- Managing map layers
- User management
- User roles and rights on different roles
- Default view
- Monitor the availability of map layers
- Administering embedded maps
- Announcements

Maintenance of map layers

Alternatives:

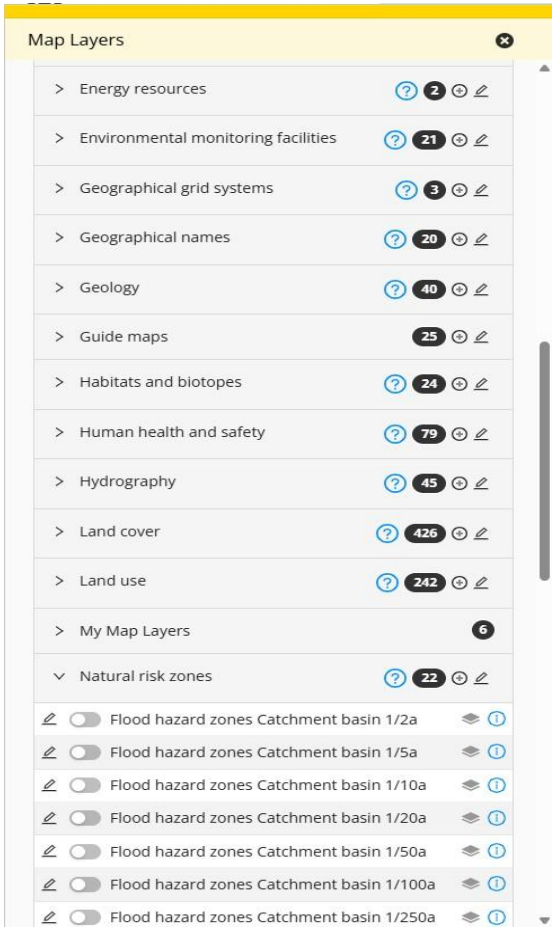
1. Import the layers via an API (admin)
2. Import the layers from files (a logged in user)
3. Create own features (a logged in user)

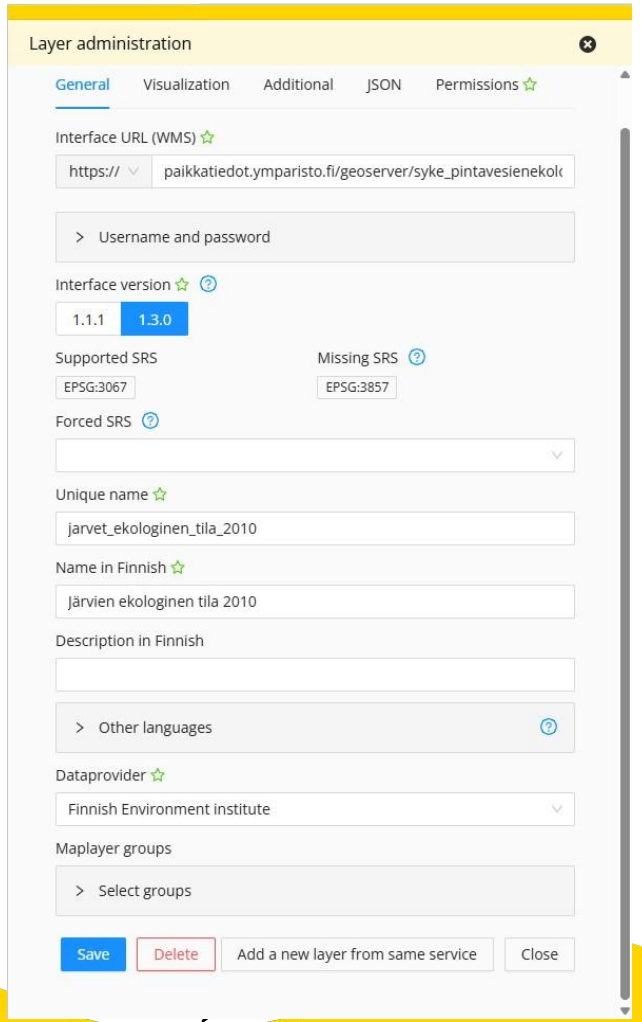
The maintenance of map layers:

- Add or edit the information of map layers (see right)
- Visualisation
- Filtering of attribute table
- JSON
- Rights

User rights

- view / publish
- roles / user account





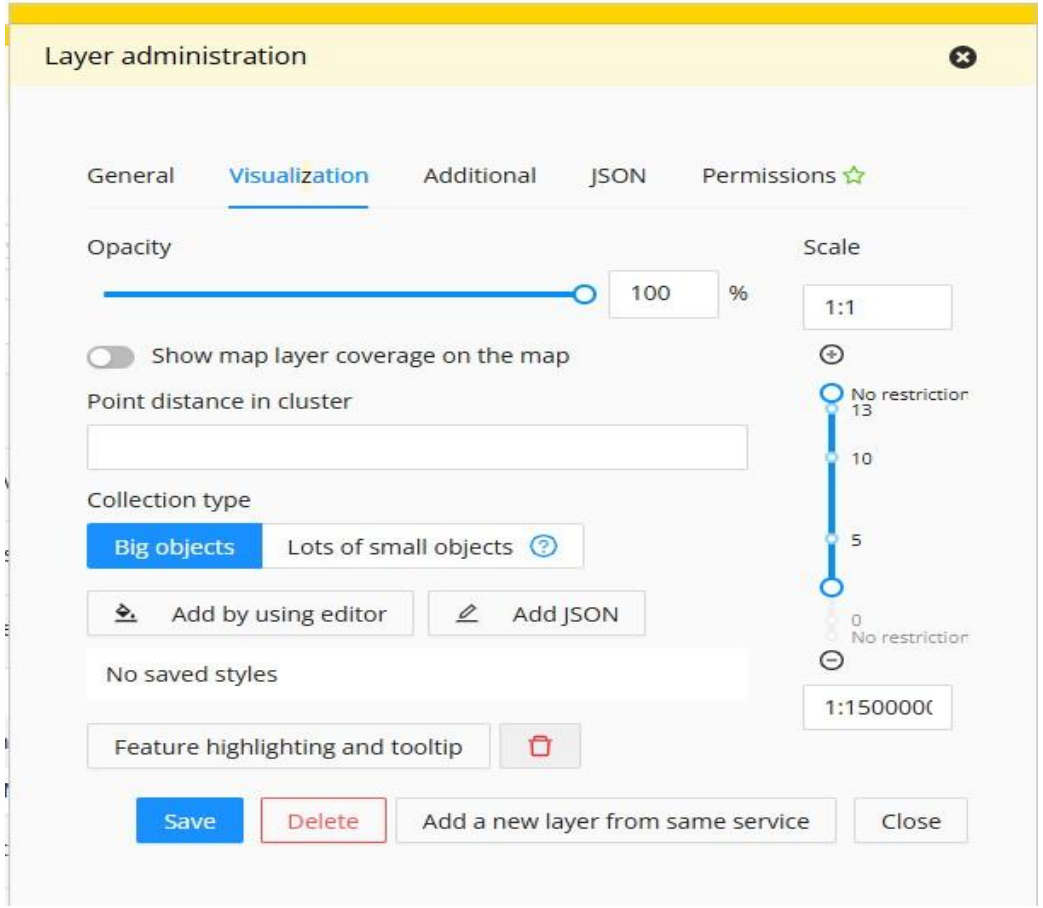
Visualization

The maintenance of map layers:

- Add or edit the information of map layers (see right)
- Visualisation
- Filtering of attribute table
- JSON
- Rights

User rights

- view / publish
- roles / user account



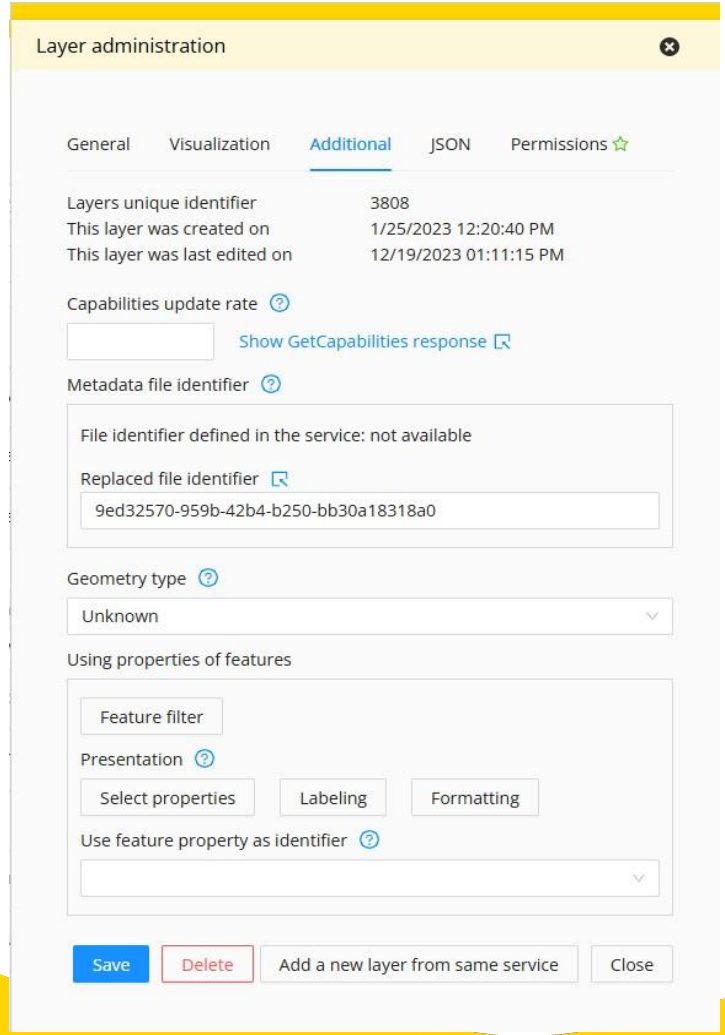
Additional

The maintenance of map layers:

- Add or edit the information of map layers (see right)
- Visualisation
- **Filtering of attribute table**
- JSON
- Rights

User rights

- view / publish
- roles / user account



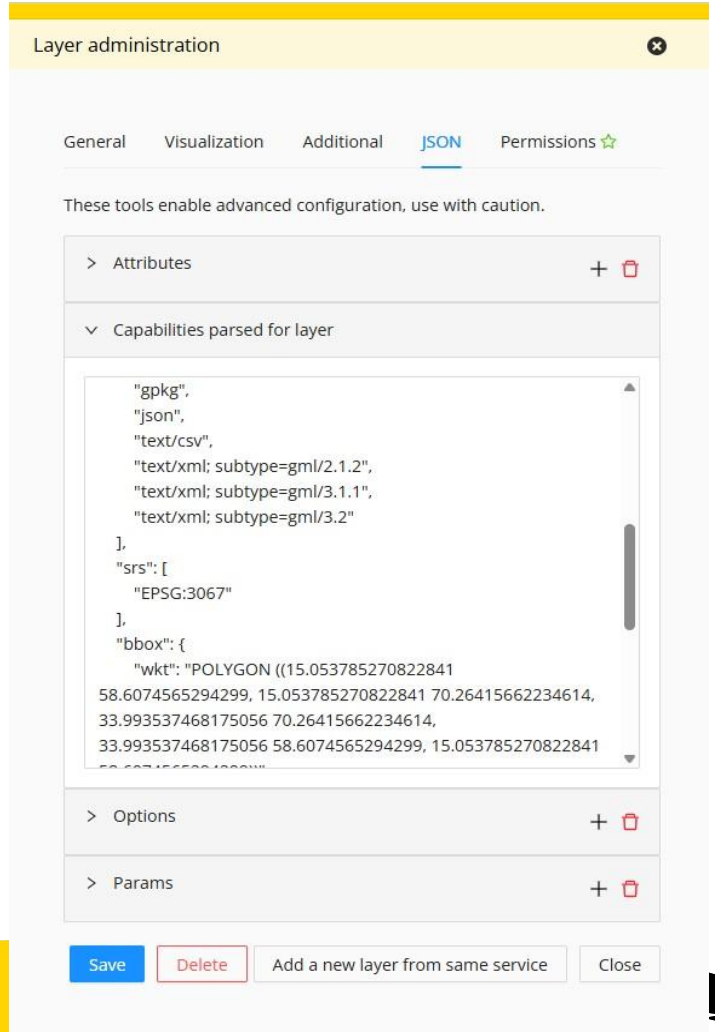
JSON

The maintenance of map layers:

- Add or edit the information of map layers (see right)
- Visualisation
- Filtering of attribute table
- **JSON**
- Rights

User rights

- view / publish
- roles / user account



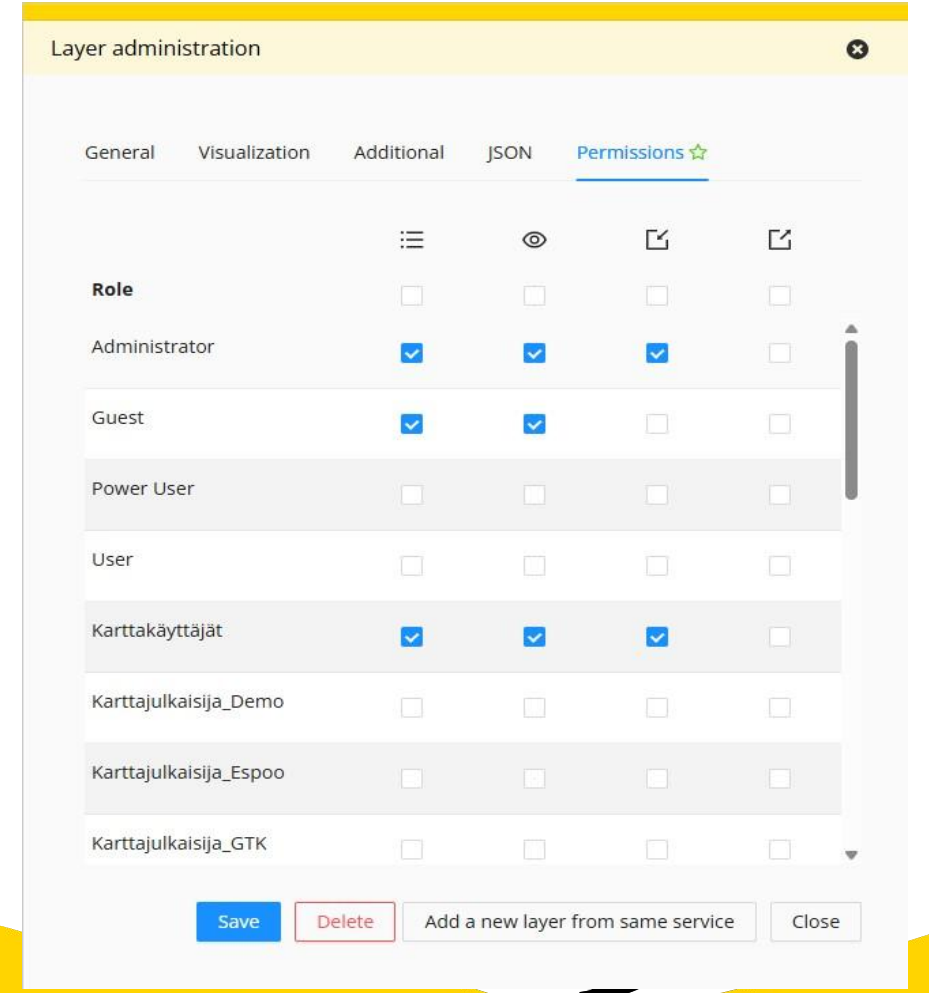
Layer rights

The maintenance of map layers:

- Add or edit the information of map layers (see right)
- Visualisation
- Filtering of attribute table
- JSON
- **Rights**

User rights

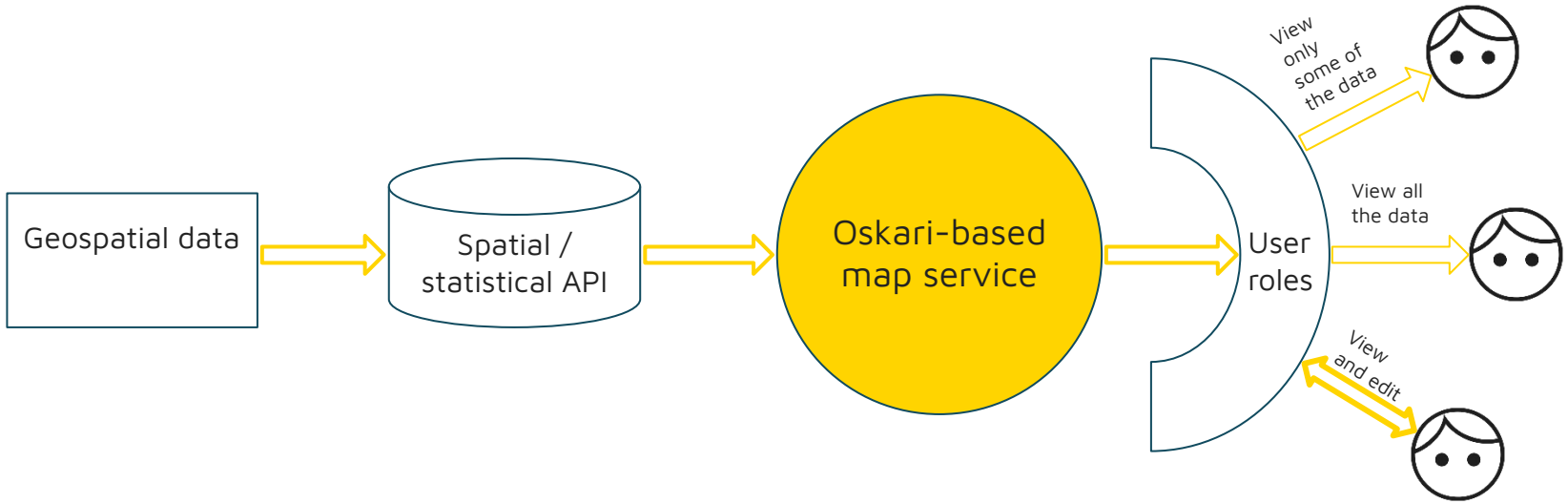
- view / publish
- roles / user account



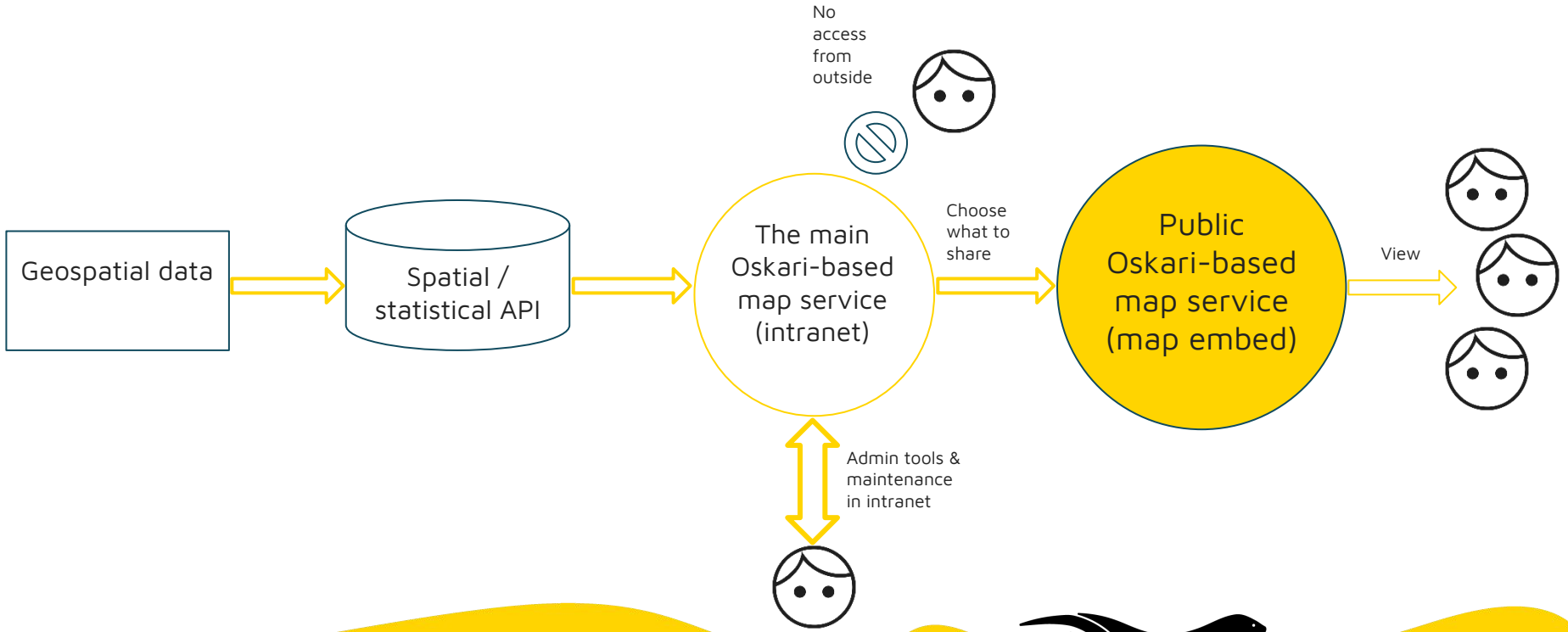
Embedded maps administration

- User access limited to published maps
- Access restrictions by domain address if needed
- Access restricted by user name if needed
- Embedded maps may be extended by RPC Application

Data flow in Oskari (simplified)



Alternative data flow in Oskari (embedded map)



Purchasing Oskari

Purchasing Oskari

- What should one take into account when purchasing Oskari?
  - Before main points
- Main points of purchasing Oskari:
  - Consider what is the basic need: who and how the Oskari service will be used?
  - Recognise where you need expertise from elsewhere and what you can do internally
  - Is the basic Oskari package sufficient as is or does it need to be changed?
  - Are you buying a new instance or upgrading an old one: the things to consider are different
  - Plan who will maintain the service once the purchase is made: ensure continuity
  - Network and learn from others: Oskari users in your own or other organizations, end user

Requirements for Oskari

Necessary:

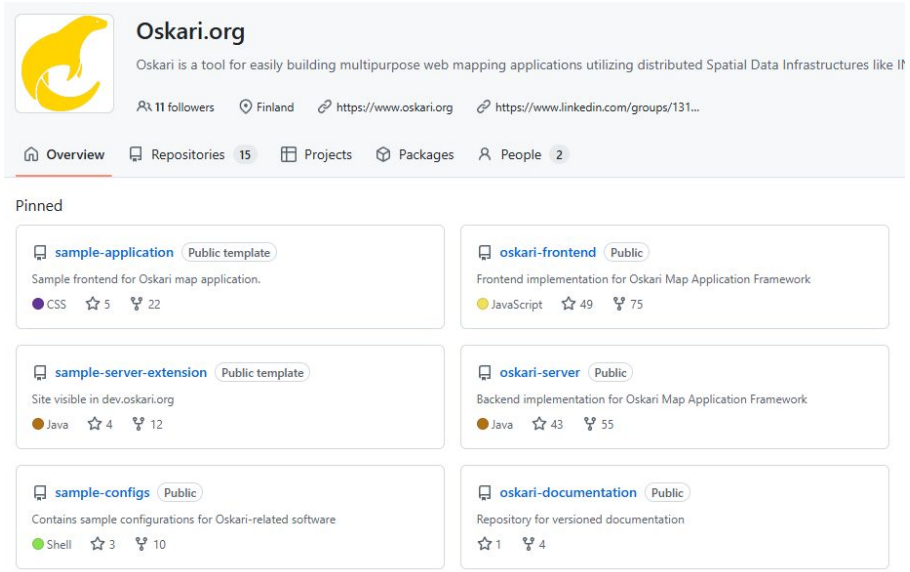
- A server where Oskari is located
- Geospatial data that is available via an API

And if needed:

- A software (GeoServer, for example) that allows organisation to publish its own data via an API
- A database (PostgreSQL + PostGIS extensions, for example) if the organisation wants to allow user the end-users to import their own datasets to the map service

Oskari development and continuity

- Oskari is developed together, NLS FI coordinates
- Developing follows the open source principles
  - Anyone can take part in developing
  - It is possible to do joint development between organizations
- The continuity of Oskari is secured by the continuity standards of NLS FI and the whole Oskari Joint Development Forum



The Oskari community

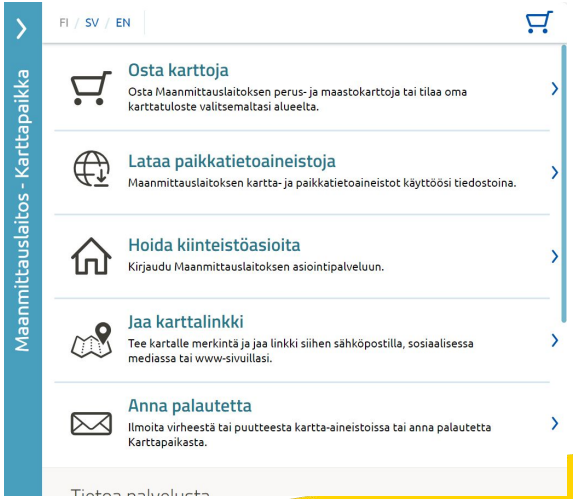
1. Oskari community is coordinated by **National Land Survey of Finland**
    - Product owner, technical coordinator
    - Communications coordinator as a consultant service
2. **Joint development forum**
    - 7 organisations (10/2025): NLS FI, Väylä, DVV, HSY, City of Tampere, City of Joensuu, Ubigu Ltd.
    - Meetings on a monthly basis: use cases, needs, co-operation possibilities, what's new
3. **Project steering committee** is responsible for the code
4. Development, consultation, training, support, maintenance
    - Different companies, no vendor lock-in
5. Oskari community
    - Organisations using Oskari: Lounaistieto, Museovirasto, Ruokavirasto…
    - About 50 people, from both public and private sectors

Use case: Suomi.fi maps

- A part of Finnish e-services for public sector organisations
- Municipalities and other public sector organisations can create and publish embedded maps
- Over 1000 map layers
- Organisations have **roles**, which have been granted **permissions** to different map layers
- Organisations ask their own non-public layers to be added to the service
- In numbers:
    - 300+ user accounts
    - approx. 1500 map embeds made
    - 41 mil. map layer views in 2023

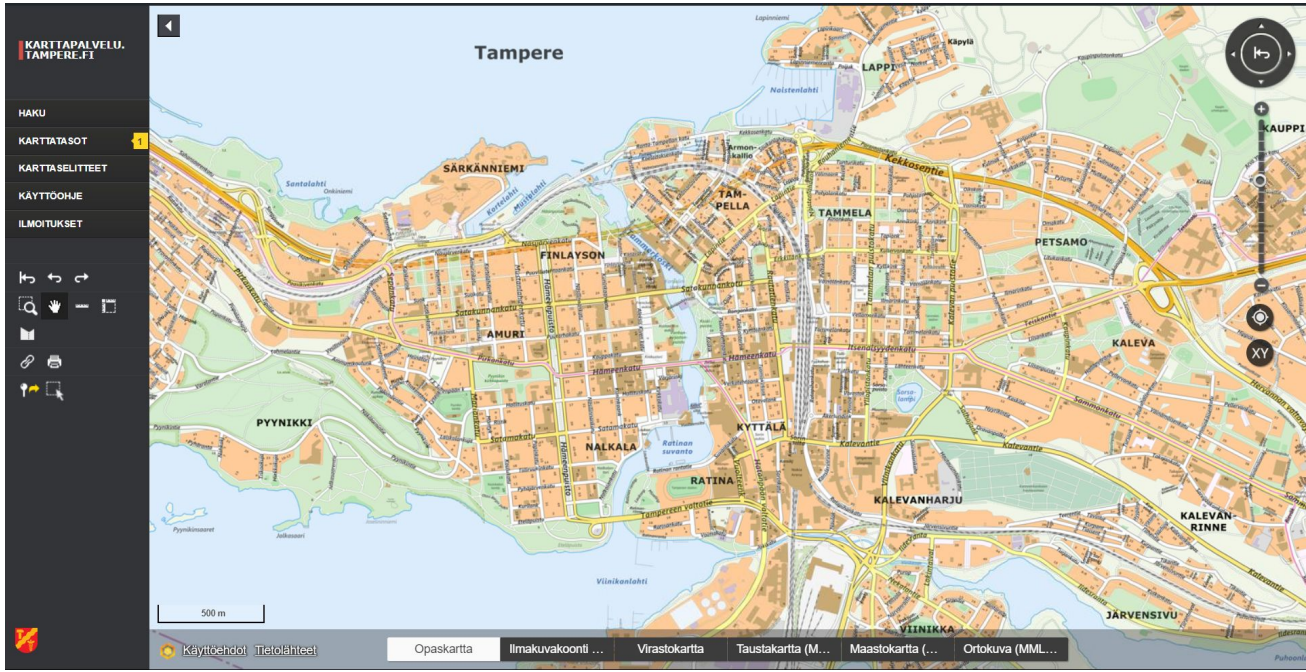
Use case: Karttapaikka (NLS FI)

- Made using map embed from Suomi.fi maps karttajulkaisusta and implementing RPC
- 6 mil. visitors annually



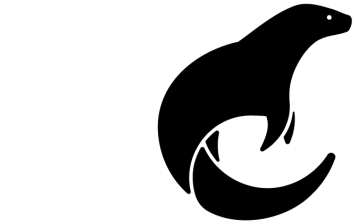
Use case: City of Tampere

- The map service for City of Tampere
- Configurations include logging in via intranet
- An Oskari-based feedback tool has also been made: a split screen view where other half has a survey, the other has map embed that allows adding features to the map



Thank you!

- **Website:** https://oskari.org/
- **GitHub:** https://github.com/oskariorg/
- **LinkedIn**: Oskari - Open Source
- **Email:** info@oskari.org & juho@gispo.fi



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