GeoStyler - Support for ArcGIS and other new Features

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- M.Sc. Geoinformatics
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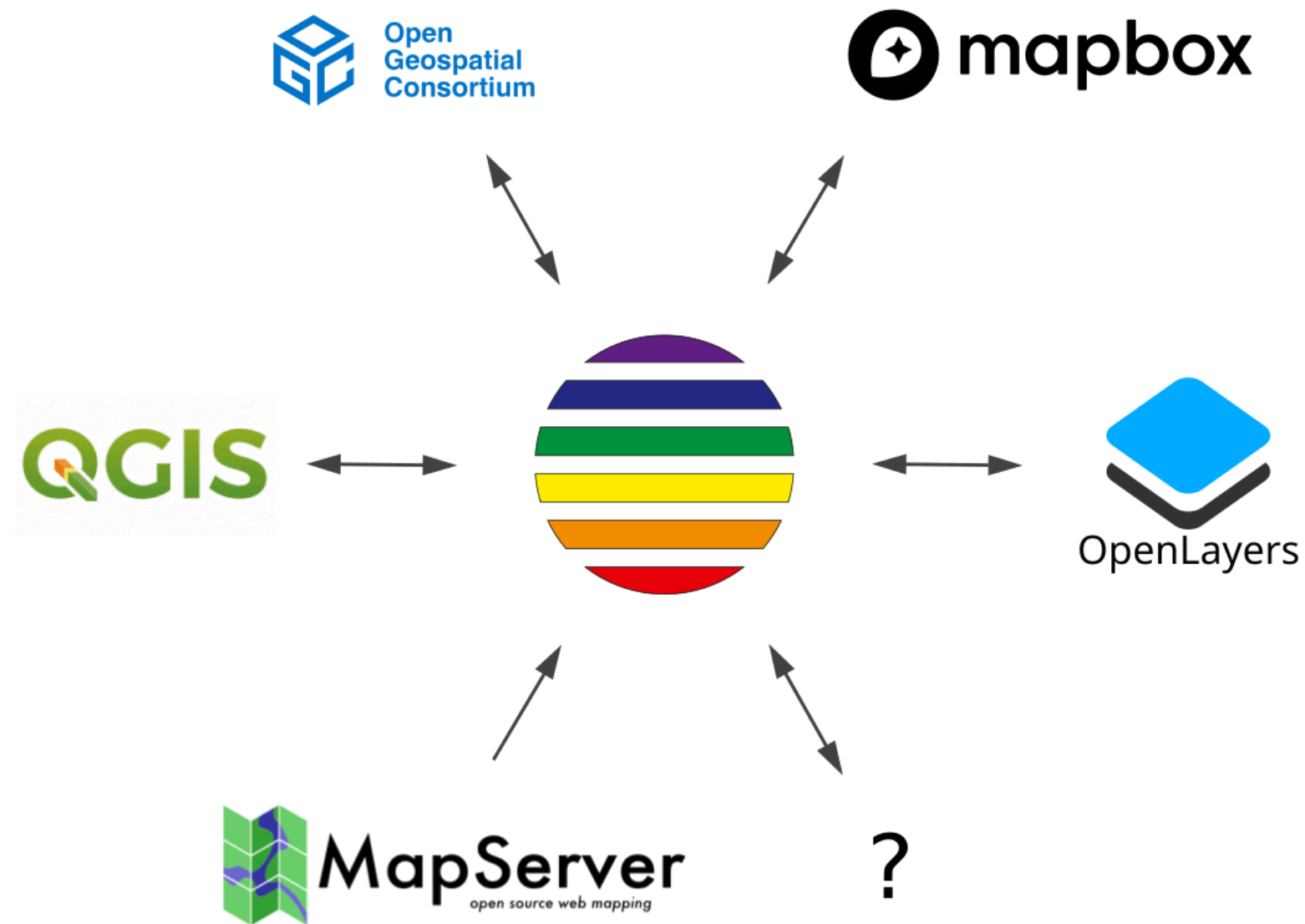- GeoStyler Core Developer
- Superset Plugin Developer

Content

1. Support for ArcGIS
2. GeoStyler Rest + OGC API Styles
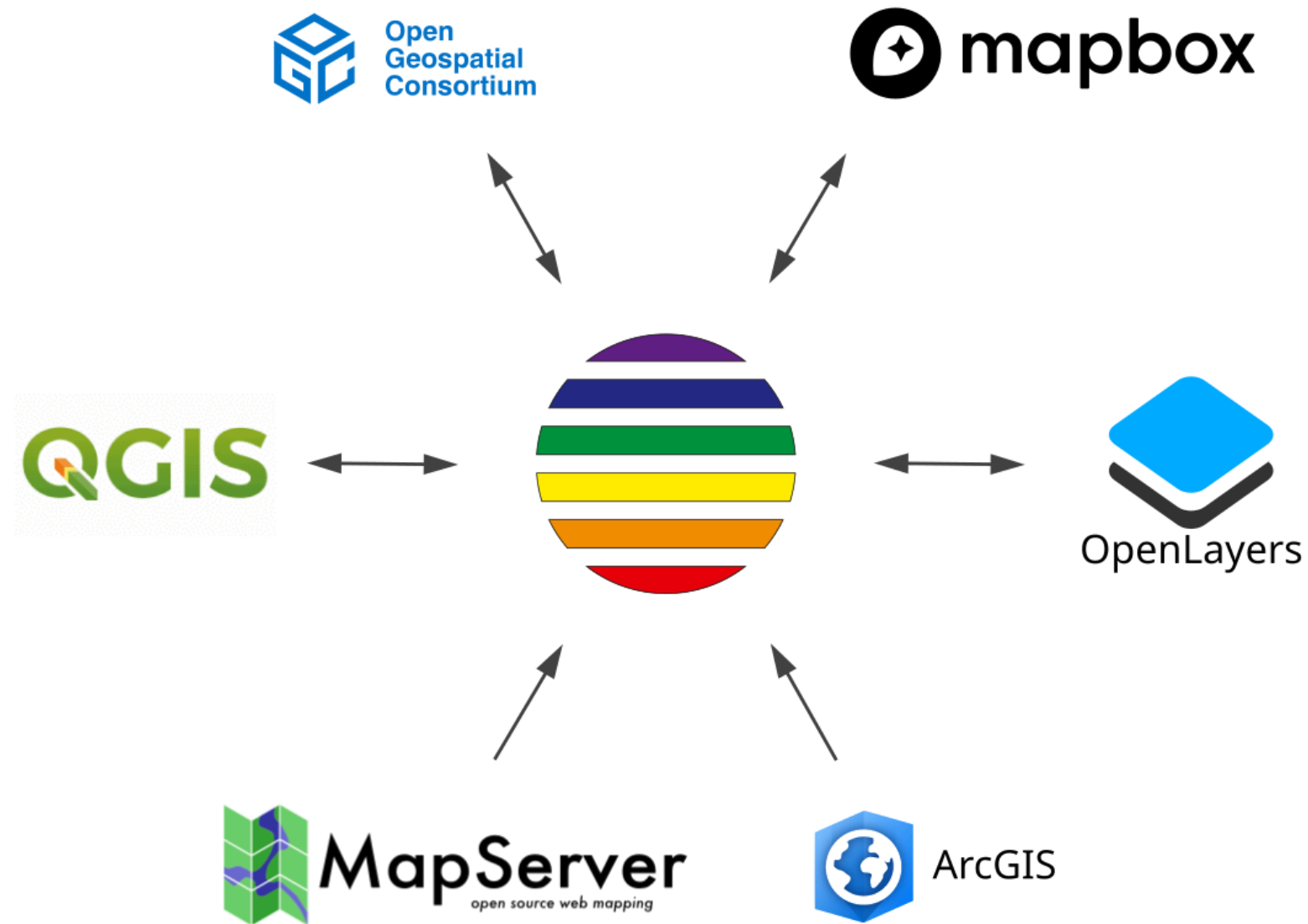3. OpenLayers Flat Styles
4. Other news

Link to slides:
https://terrestris.github.io/foss4g-e-2025/talks/2025-07-18-suleiman-geostyler.html
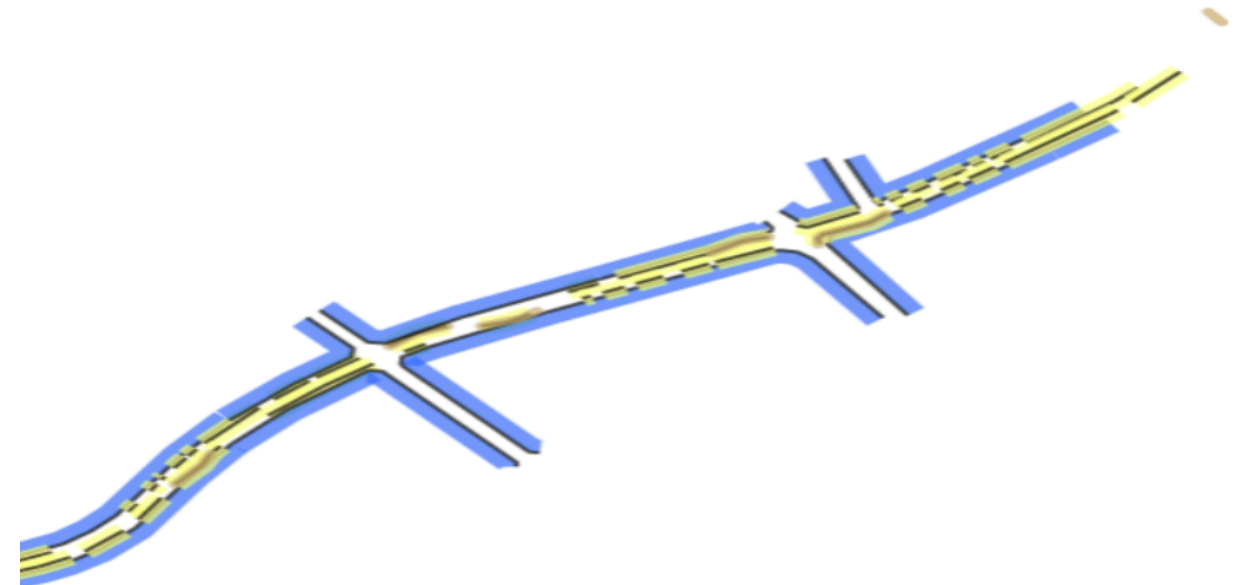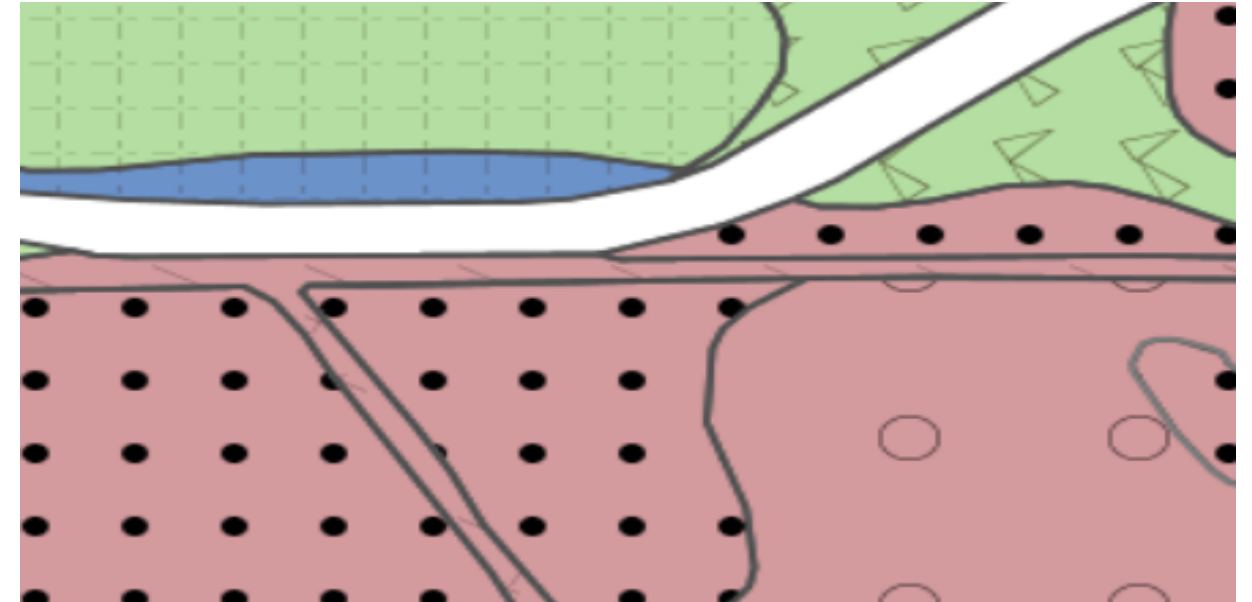
What is GeoStyler?

Support for ArcGIS

Support for ArcGIS

- Repository: geostyler/geostyler-lyrx-parser
- Based on GeoCat/bridge-style
- Features
  - Polygons
  - Lines
  - Points
  - Labels
  - Marks
  - Hatches
  - ...
- Limitations
  - .lyrx only
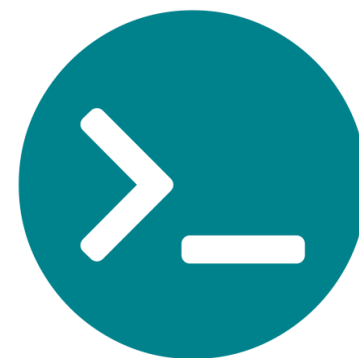 - read only

Kudos to Benjamin, Wolfgang, Myriam, Thomas, Eva, Balz!

Support for ArcGIS

Now usable with with all GeoStyler tools

UI   CLI   REST

OGC API Styles

OGC API Styles `Draft`

API for managing and fetching style documents

Main concepts

- Style as main resource
- Multiple stylesheets per style
- Style metadata

Benefits

- Interoperability
- Automation
- Centralized style management

OGC API Styles

OGC API Styles `Draft`

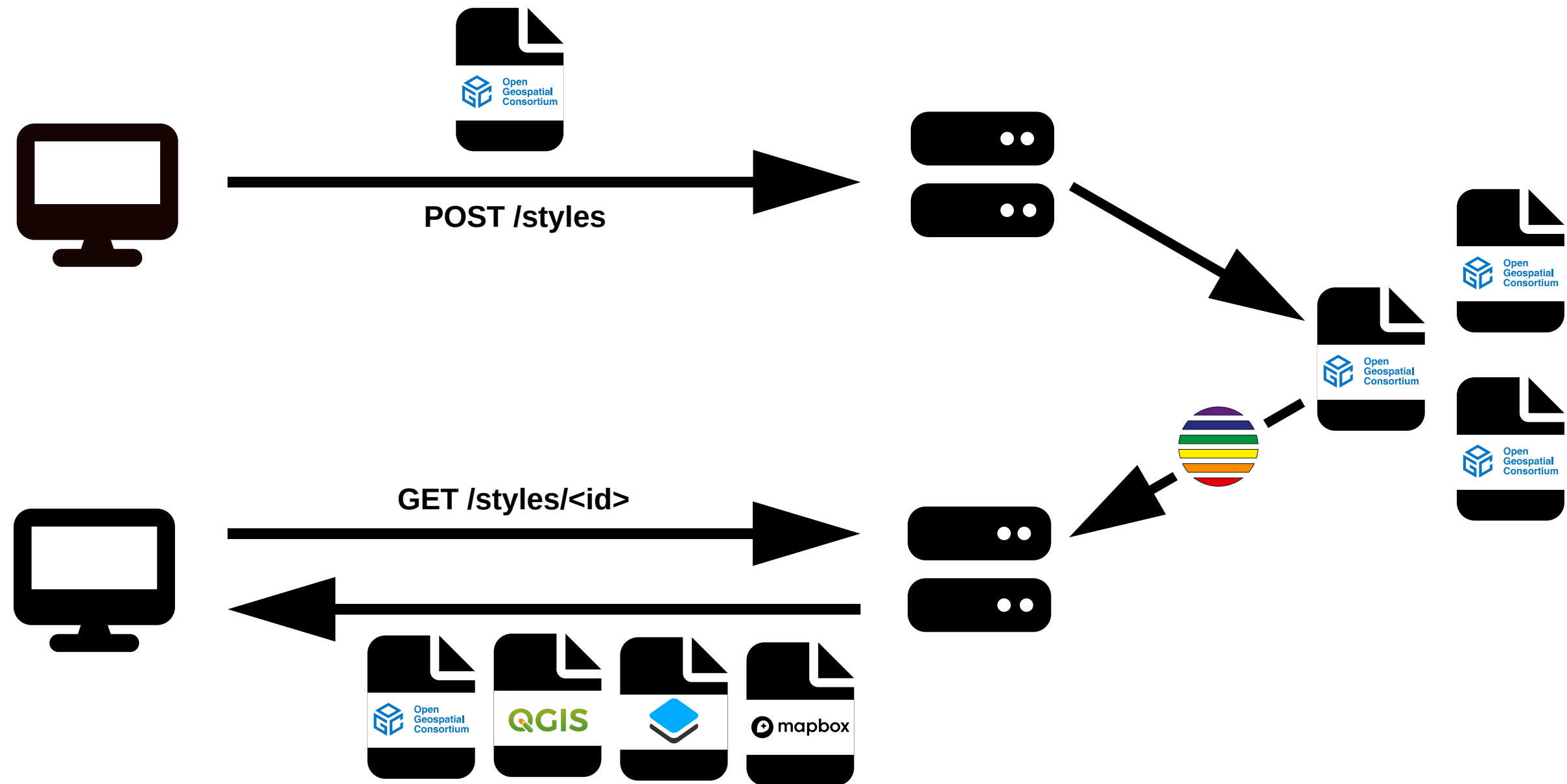API for managing and fetching style documents

Main concepts
- Style as main resource
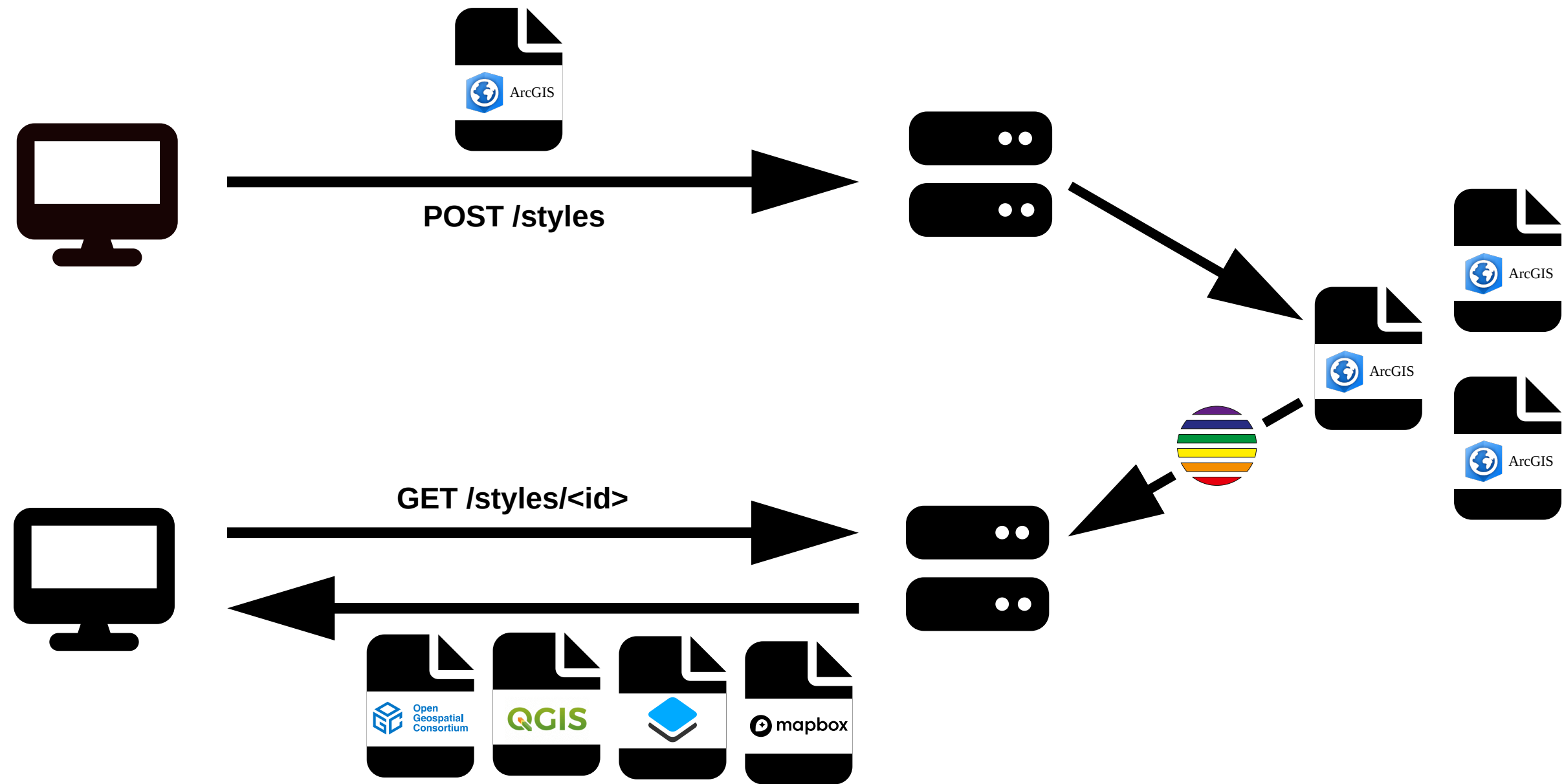- **Multiple stylesheets per style**
- Style metadata

Benefits
- Interoperability
- Automation
- Centralized style management

GeoStyler REST + OGC API Styles

POST /styles

GET /styles/<id>

GeoStyler REST + OGC API Styles

GeoStyler REST + OGC API Styles

Try it out: rest.geostyler.org
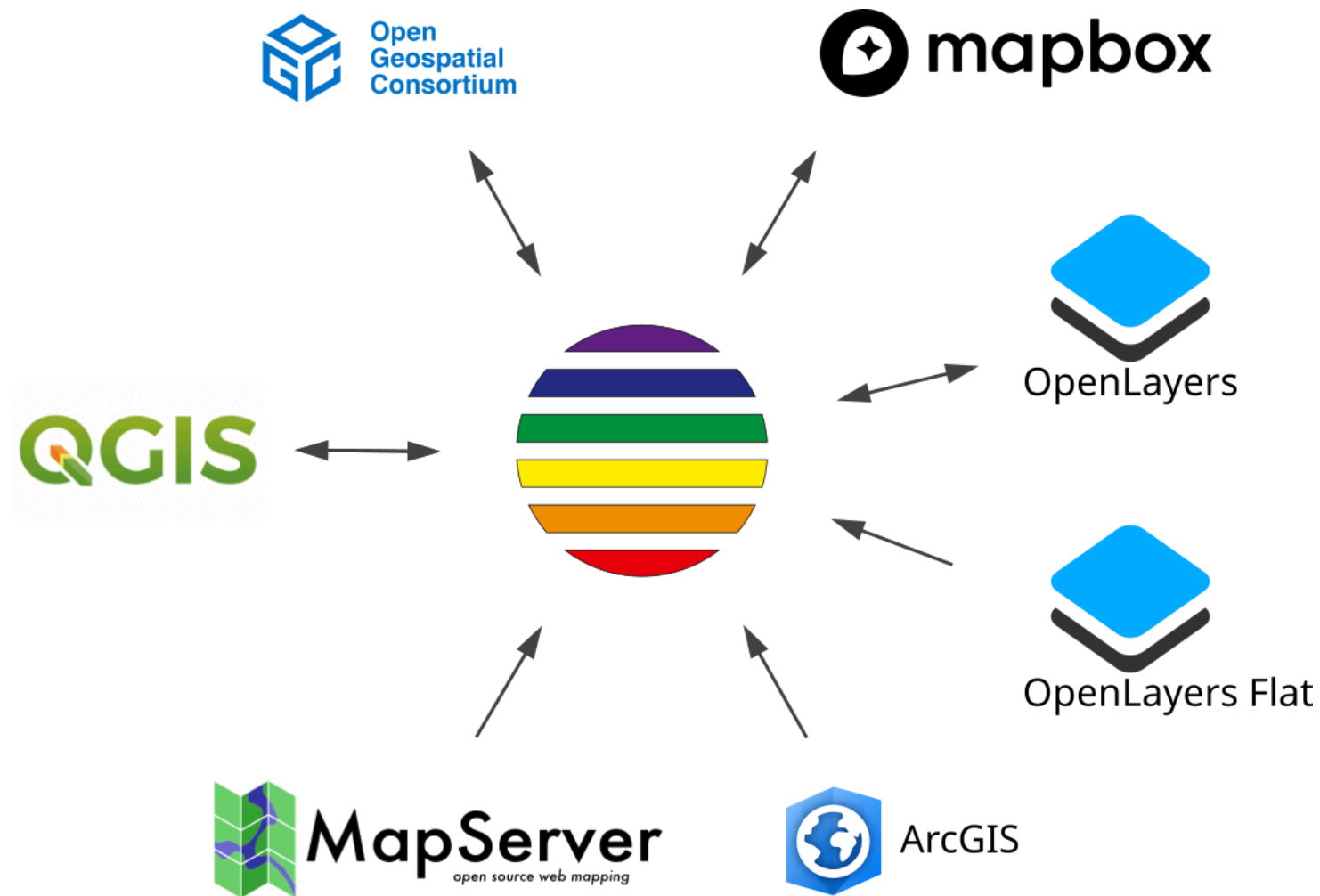
GeoStyler REST + OGC API Styles

Benefits

- One style - multiple applications
- Low maintenance - no duplicates
- Different tools for different purposes: Editing vs. SSR vs. CSR

- Transition to Open Source Software and Open Standards

OpenLayers Flat Styles Parser

geostyler/geostyler-openlayers-parser

- Serializable
- Configuration over implementation
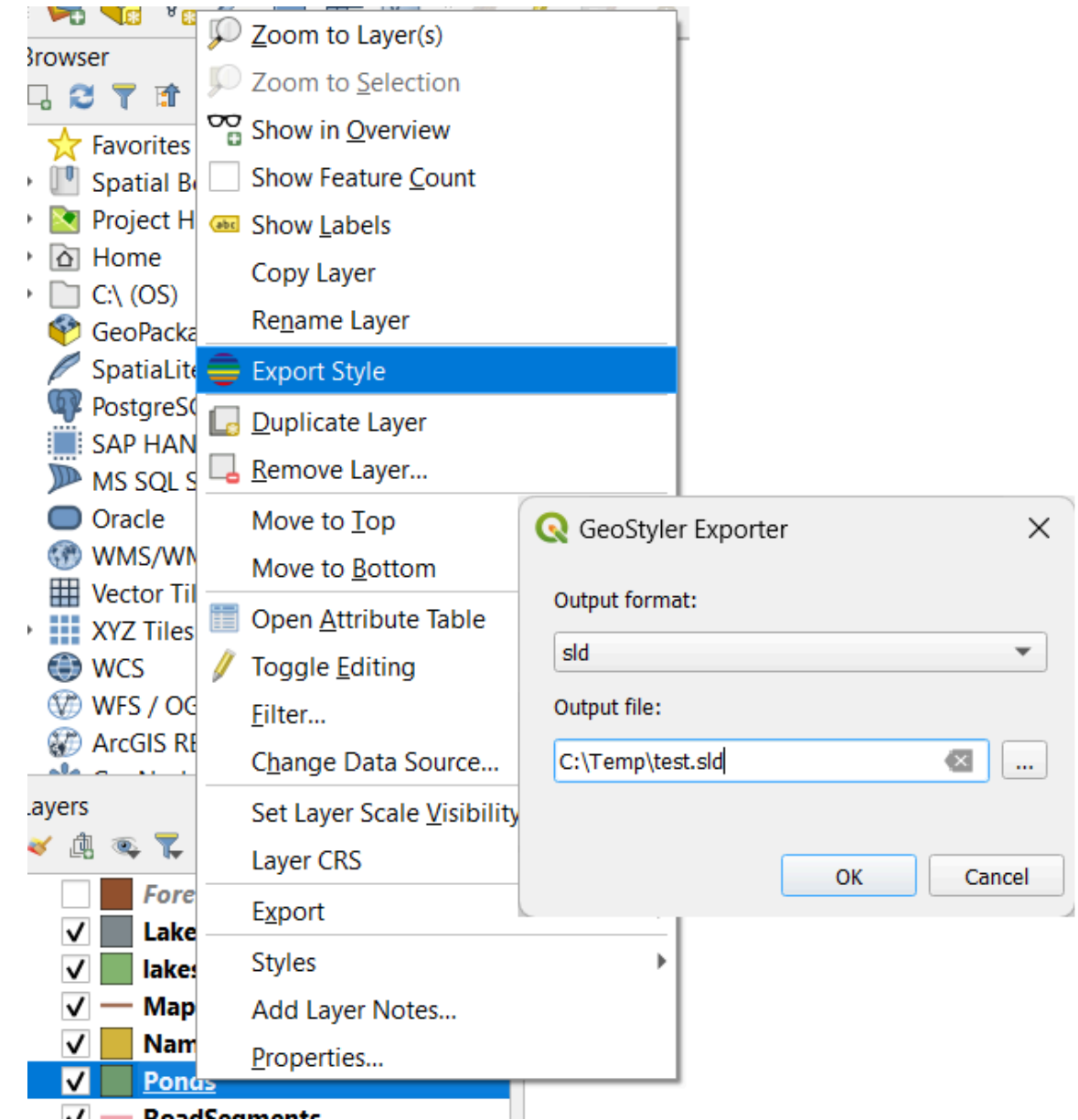- Integration in CLI, GeoStyler REST, etc.

Other news

QGIS Plugin
Repository: geostyler/geostyler-qgis-plugin

General improvements
Better UI, better expressions, better parsers

Dedicated Server
More demos, more services, more GeoStyler

GeoStyler Code Sprint 2025

02.06. - 06.06.2025, Switzerland
Blog Post GeoStyler Code Sprint 2025

OSGeo Official

Community Project → OSGeo Project

Questions?

Contact us on

Github: geostyler/geostyler

Discord: discord.gg/yrXHDpcFcB

Imprint

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