Wegue

Webmapping with OpenLayers and Vue.js

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meggsimum - Büro für Geoinformatik

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- geospatial software developer and architect
- core developer of several OS GIS projects (GeoStyler, GeoExt, ...)
- presenter & trainer national & international
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- meggsimum.de
- services in the field of GIS, webmapping & SDI
- tailored WebGIS solutions
- software development
- geodata
- consulting and training



Wegue

- combines Vue.js and OpenLayers
- lightweight template for webmaps
- for single-purpose apps
- separation of customization and core
- source code on GitHub (BSD-2-Clause)

Non-Goals

- being a pure library
- desktop-GIS for the browser
- feature creep

Config vs. Development?

- using config file
 - quick setup for single purpose web map
 - only by customizing a JSON file
- code base for custom tailored application
- or even both



OpenLayers

66

A high-performance, feature-packed library for all your mapping needs.

openlayers.org, 2021-08-04

- JavaScript mapping library
- BSD licensed OSGeo project



- JavaScript framework
- OpenSource MIT license
- simple API, easy to learn
- wide adoption and big ecosystem

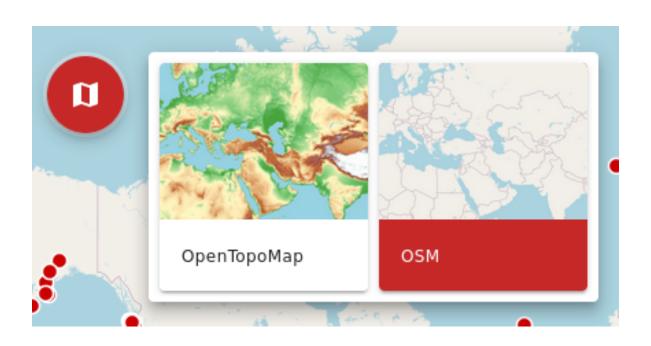


- component framework
- material design
- wide adoption
- OpenSource MIT licensed

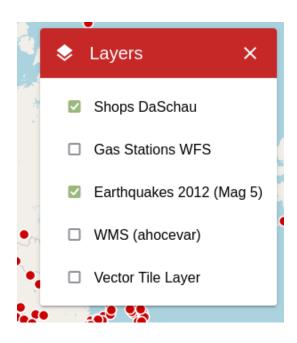
Wegue



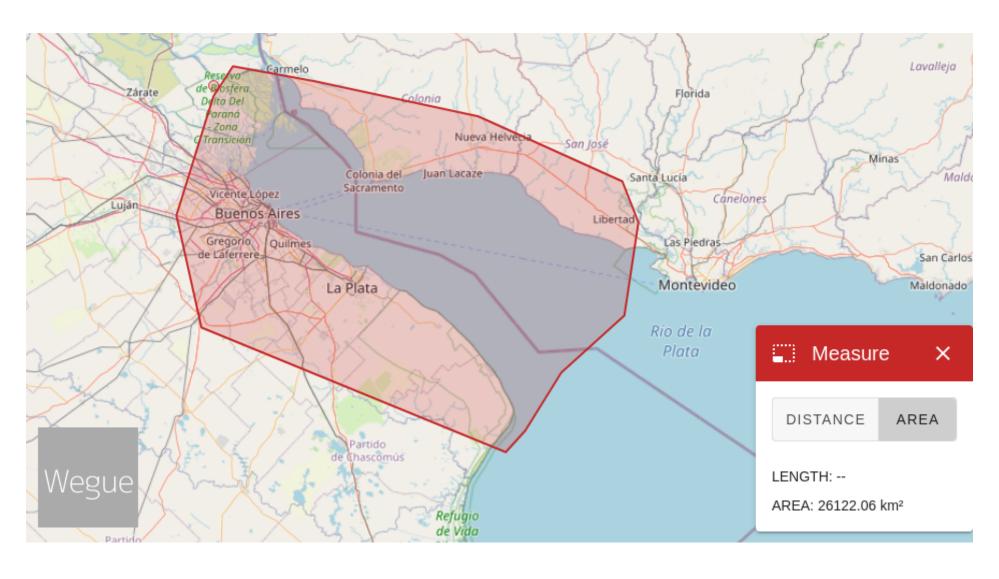
Basemap Switcher



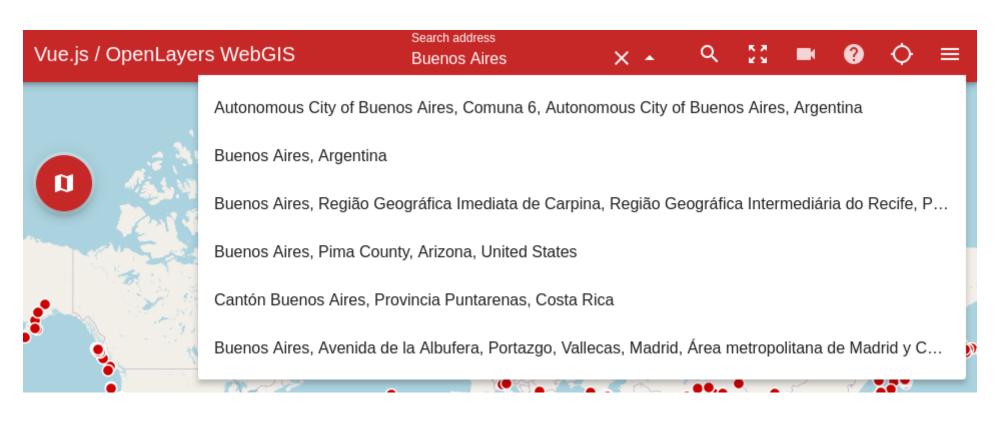
Overlay Switcher



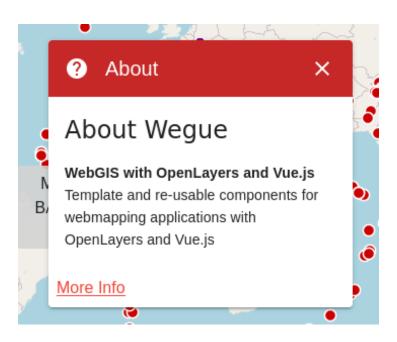
Measure Tool



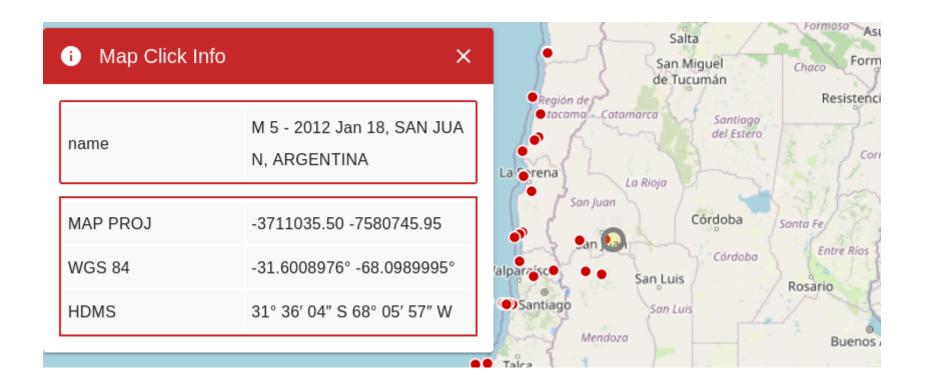
GeoCoder



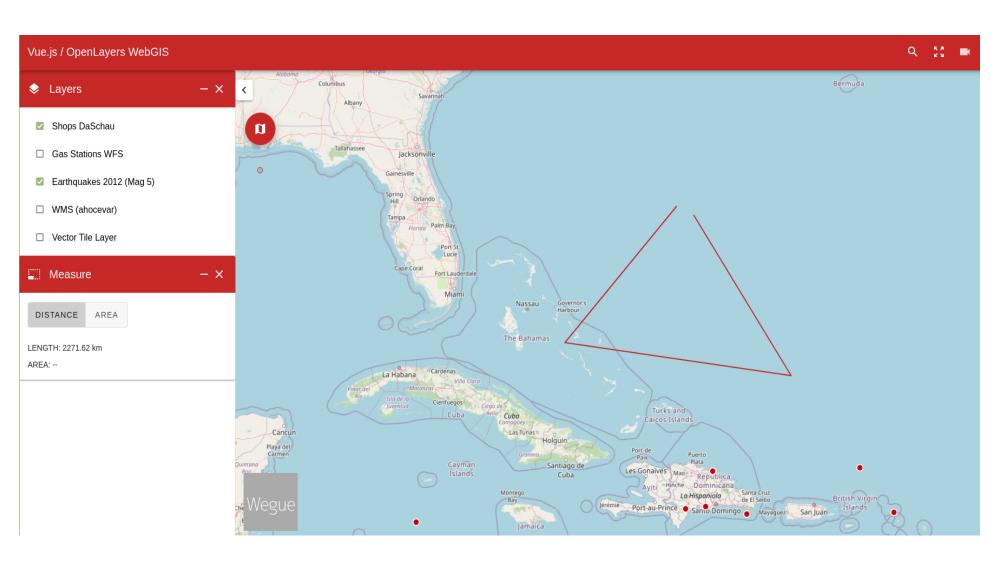
Help Window



Feature Info



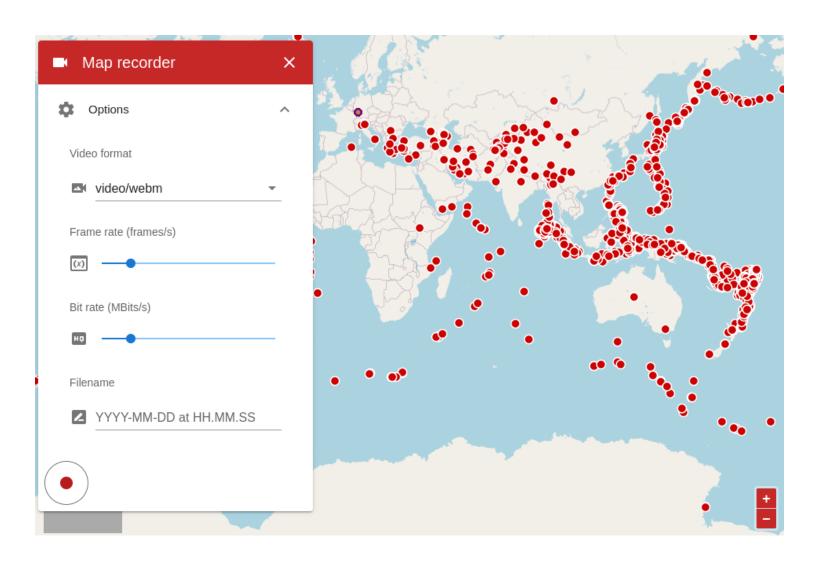
Sidebar



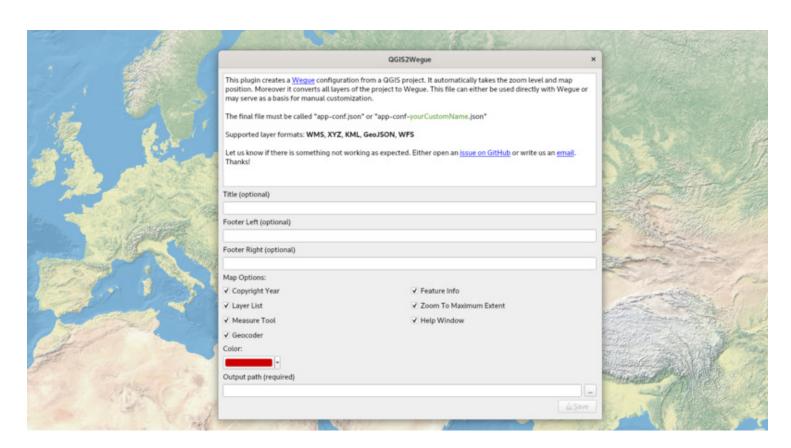
Attribute Table

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Name	Email	Website							
Wildspezialitäten Roger Kaminski		http://www.der-kan	ninski.de/						
		http://www.nusske	rn-friseure.de						
Winkelmann - Haus der Geschenke		http://www.winkeln	nann-geschenke.de	/					
Haarstudio Mareen									
Lidl									
E aktiv markt									
KiK Textilien									
Metzgerei Keck									
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Map Recorder



QGIS Plugin



More Features

- selection tool
- hover tooltip
- responsive design
- styling options
- permalink
- docs on wegue.org
- geodata drag&drop
- i18n multi language support
- ...

Roadmap

- make modules more generic
- extract components as library
- keep template application

Config File (JSON)

```
"title": "Vue.js / OpenLayers WebGIS",
"baseColor": "green darken-3",
"footerTextLeft": "Powered by Wegue WebGIS",
"footerTextRight": "meggsimum",
"showCopyrightYear": true,
"mapZoom": 2,
"mapCenter": [0, 0],
"mapLayers": [
```

Quickstart

```
# download
git clone https://github.com/meggsimum/wegue
cd wegue

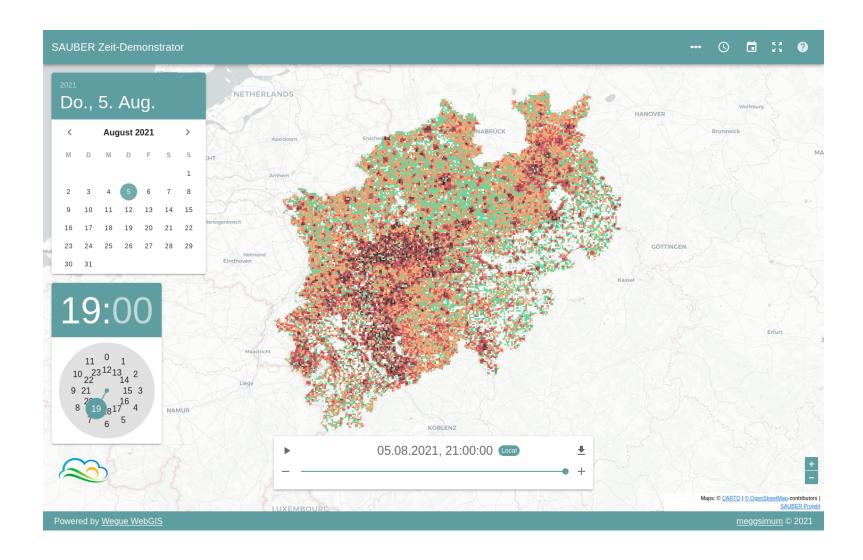
# install dependencies
npm install

# create custom app
npm run init:app

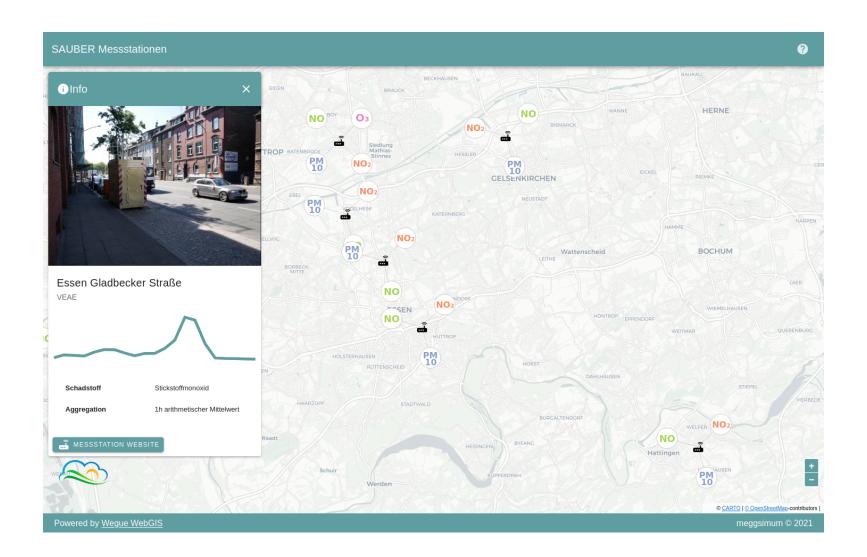
# run development server
npm run dev
```

Demo Apps

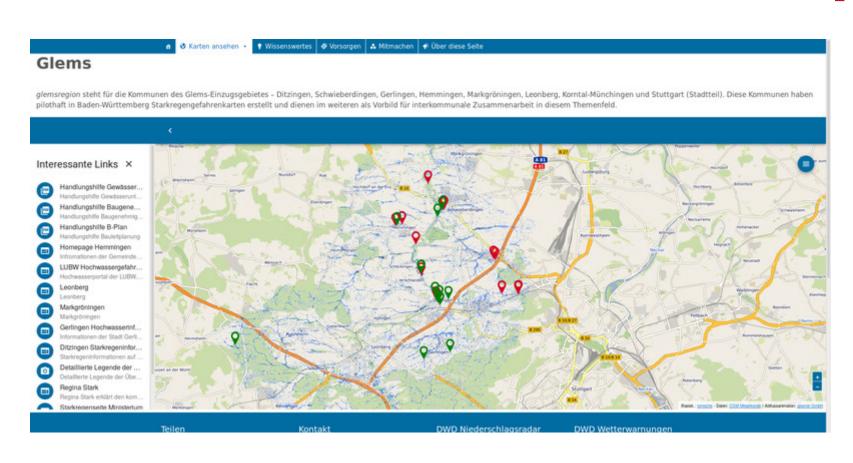
Time Viewer



POI Viewer



Rain and Flood Hazard Map



Links

- Wegue project website
- source code (GitHub)
- gallery with Wegue projects
- Wegue video tutorial
- meggsimum company website

Imprint

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