# User Group GeoMapFish

**June 19, 2017**

## camptocamp

INNOVATIVE SOLUTIONS
BY OPEN SOURCE EXPERTS

# Agenda

- GeoMapFish 2.1.7

- GeoMapFish 2.2 RC

- GeoMapFish 2.3 Proposal

- 2.x Demos

  - Cartoriviera

  - SITN Plugins

  - Basel-Stadt IFRAME

  - EPFL Geoportal

  - Agrola Routing

- LIDAR and Ngeo (SITN)

- GeOcom Feedbacks

**camptocamp**

# GeoMapFish 2.1.7

- Last Tuesday
- Several bugfixes
  - 24 issues solved
  - 11 c2cgeoportal, 13 ngeo

# GeoMapFish 2.2 RC

- Last Friday
- All features are in
  - Filters
  - Time in query
  - Message if no full-text search results
  - StreetView integration
  - Clear all in layer tree
  - User defined scale for printing
  - Android Web browser compatibility
  - Pre-defined transparency for WMS/WMTS
- Please test!
- https://geomapfish-demo.camptocamp.net/2.2/

**camptocamp**

# GeoMapFish 2.3 Proposal
# Admin Interface

- Context and requirements

- Proposed solution

- Estimate

- Alternative solutions

# GeoMapFish 2.3 Proposal
# Admin Interface – Ergonomic Improvements

- Centered on layer tree
  - because that's what you want to configure

- Metadatas and dimensions included in layer form as a subform
  - much easier to understand

- Improved search
  - navigation between search form and search results

- Grouping fields of same domain in forms
  - clearer view

- Draggable sort widget for group children
  - easier to change order visually

# GeoMapFish 2.3 Proposal
# Admin Interface – New Features

- Metadata types (today strings only)

  - avoids errors and simplifies edit

- Elements duplicate

  - increases efficiency

- WMS←—→WMTS switch

  - change type and keep everything else

- Logout button

  - logout to increase security

**camptocamp**

# GeoMapFish 2.3 Proposal
# Admin Interface – Technology

- GMF WebGIS based on Python 3

  - Admin interface still on Python 2

- FormAlchemy library (Python 2) isn't actively developed anymore

**camptocamp**

# GeoMapFish 2.3 Proposal
# Admin Interface – Proposed Solution

- Goals
  - Fulfill Luxembourg's requirements (!= minimalist)
  - Keep existing principles (Web)
  - Alignment to GMF 2.x technology

- Choice of c2cgeoform
  - A result of a thorough analysis
    - Reuses SQLAlchemy GeoMapFish database schema
    - Integrates well in GeoMapFish technologies (Pyramid, authentication)
    - Existing geographic component
    - Good team know-how
  - Rewriting from scratch would be much more complex

**camptocamp**

# GeoMapFish 2.3 Proposal
# Admin Interface – Proposed Solution

- Landing screen

- Read only layer tree

- On click contextual menu (tablets)
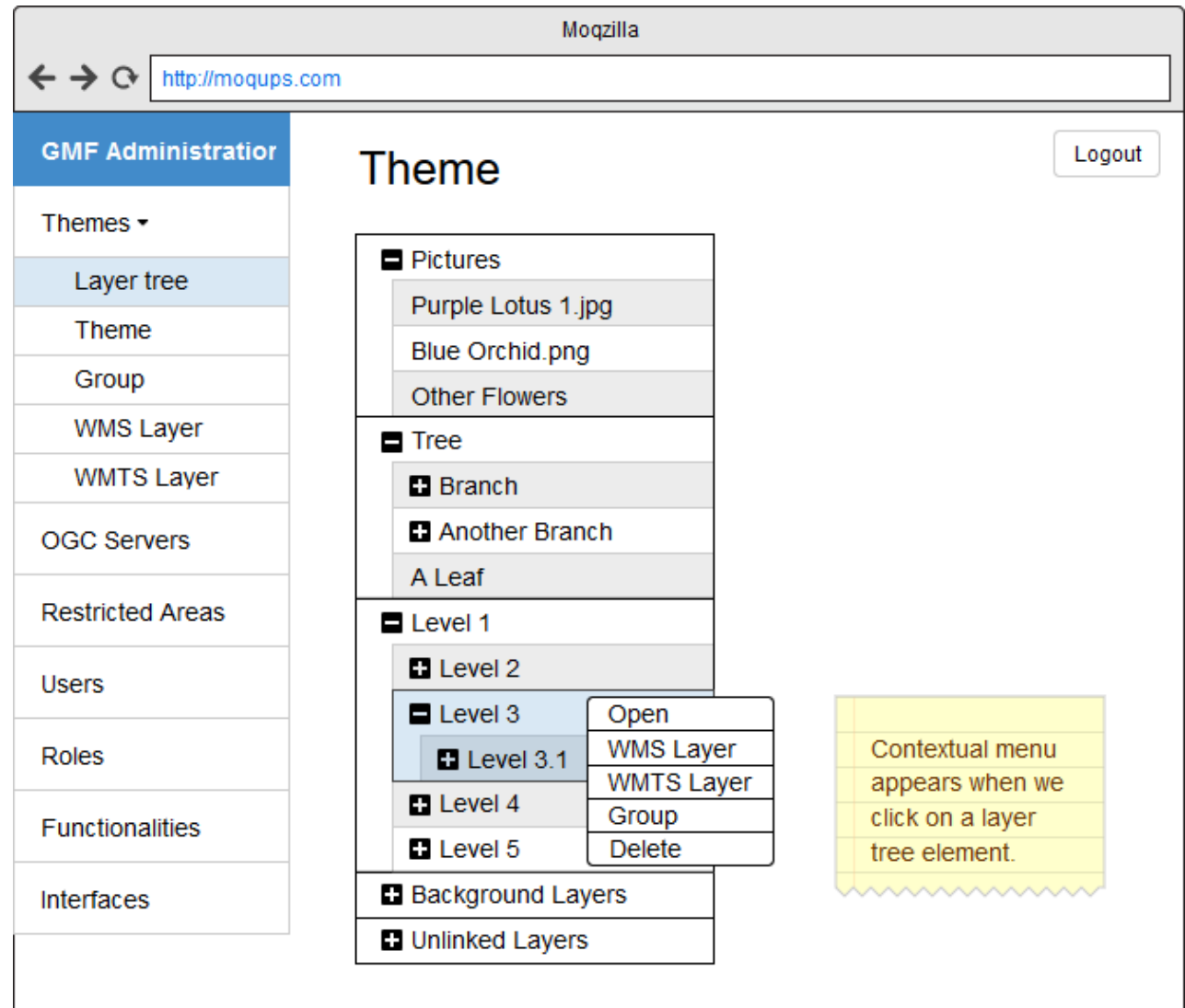
# GeoMapFish 2.3 Proposal
# Admin Interface – Proposed Solution

- Filtered list

- Create button

# GeoMapFish 2.3 Proposal
# Admin Interface – Proposed Solution

■ Grouped attributes

# GeoMapFish 2.3 Proposal
# Admin Interface – Proposed Solution

- Metadata edited with layer

- Sub forms

# GeoMapFish 2.3 Proposal
# Admin Interface – Proposed Solution

# GeoMapFish 2.3 Proposal
# Admin Interface – Alternative Solutions

- Minimum viable product

  - No layer tree widget, no object copy, no WMS⟵⟶WMTS switch, no type validation for metadata, no children sort widget

  - Includes metadata editing in layer form and improved search

  - Same technologies as in proposal

- QGIS forms

  - Use of QGIS (version 3) to configure GeoMapFish

  - Camptocamp is interested (R&D)

  - Technical analysis required

**camptocamp**

# GeoMapFish 2.3 Proposal
# WMS/KML Browser Integration + Permalink

# GeoMapFish 2.3 Proposal
# Map Rotation (1/2)

- User can always turn map, on desktop and mobile

  - Button appears only when not north-oriented

- Tracking: two modes with an Autorotate parameter

  - If false, like now

  - If true

    - point always displayed in the center

    - rotates with GPS

    - back to north when geolocation is deactivated

**camptocamp**

# GeoMapFish 2.3 Proposal
# Map Rotation (2/2)

- New symbol
  for geolocation

- Position depends
  on devices
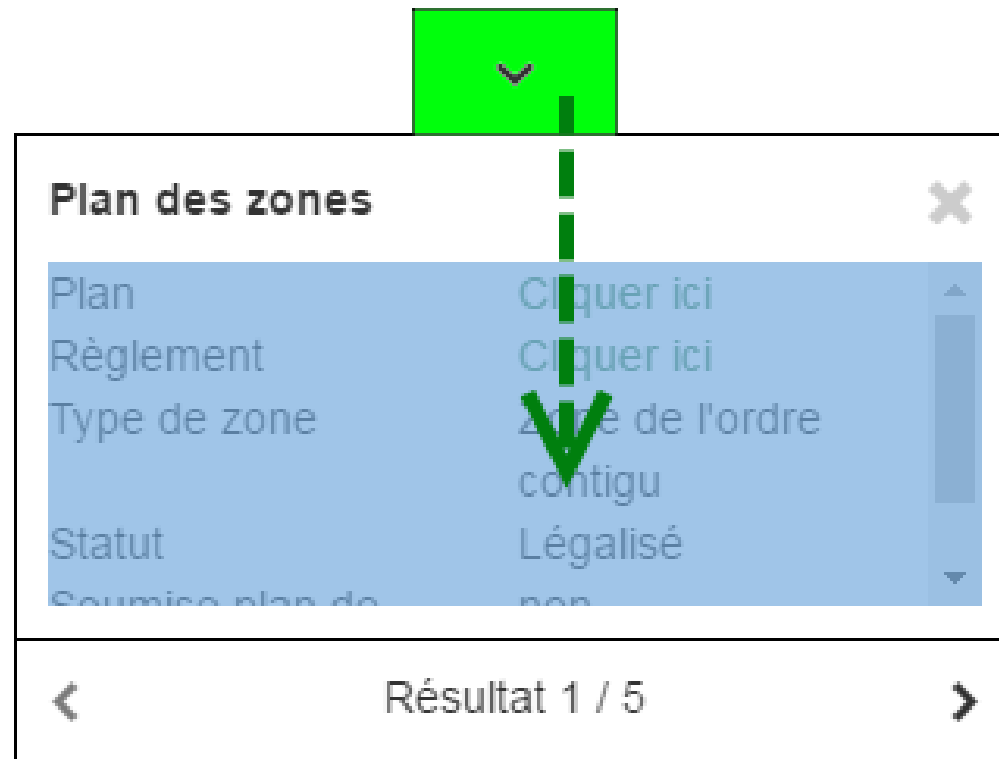
# GeoMapFish 2.3 Proposal
# Moving Window

- Use of jQuery UI to make modal window movable

- Same technology may be used for other windows, like results window (yet to be discussed)
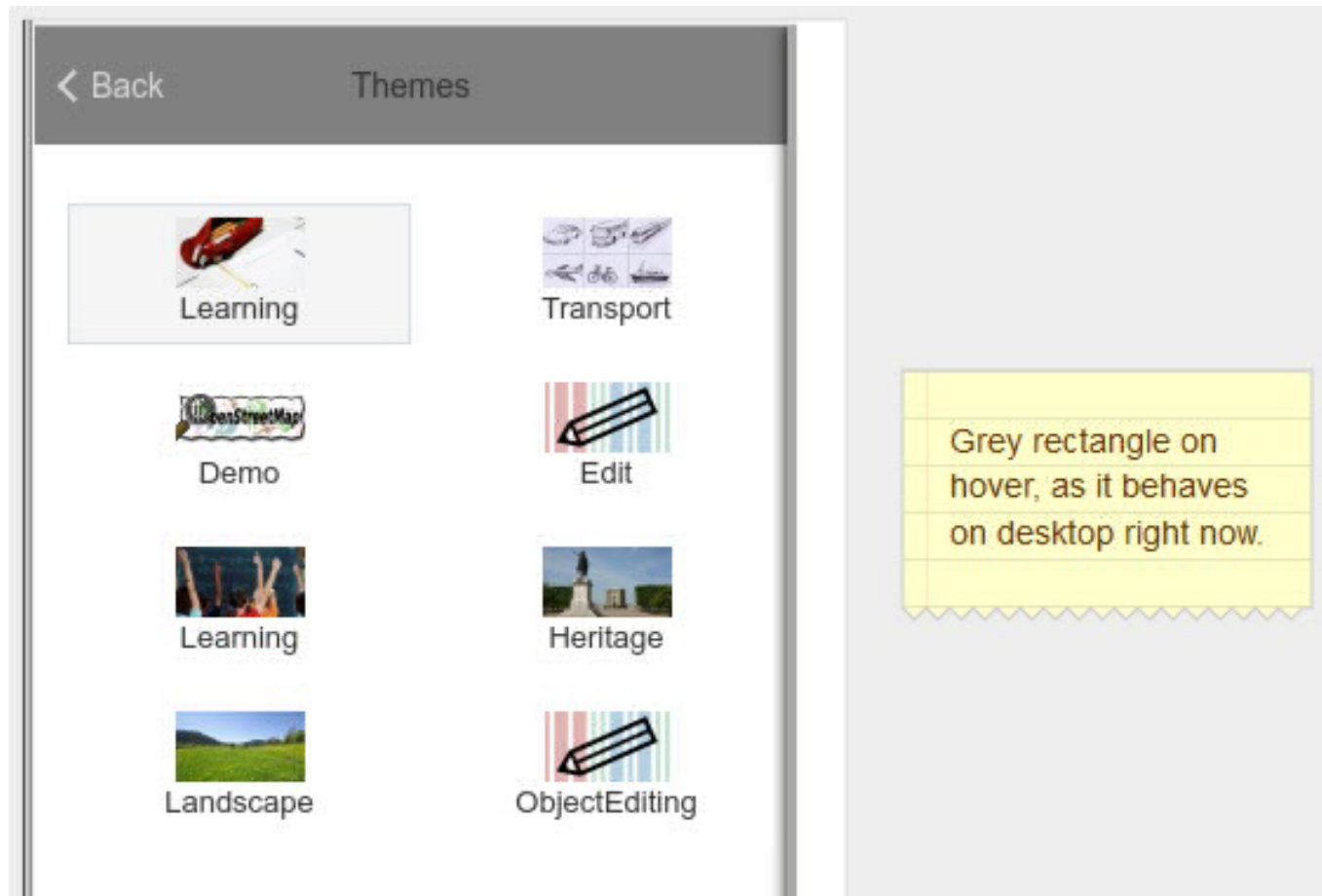
# GeoMapFish 2.3 Proposal
# Windows Results Optimization

- Several improvements already implemented

- Swipe close



**Plan des zones** ✕

| | |
|---|---|
| Plan | Cliquer ici |
| Règlement | Cliquer ici |
| Type de zone | Zone de l'ordre contigu |
| Statut | Légalisé |
| Soumise plan de | non |

‹     Résultat 1 / 5     ›

camptocamp
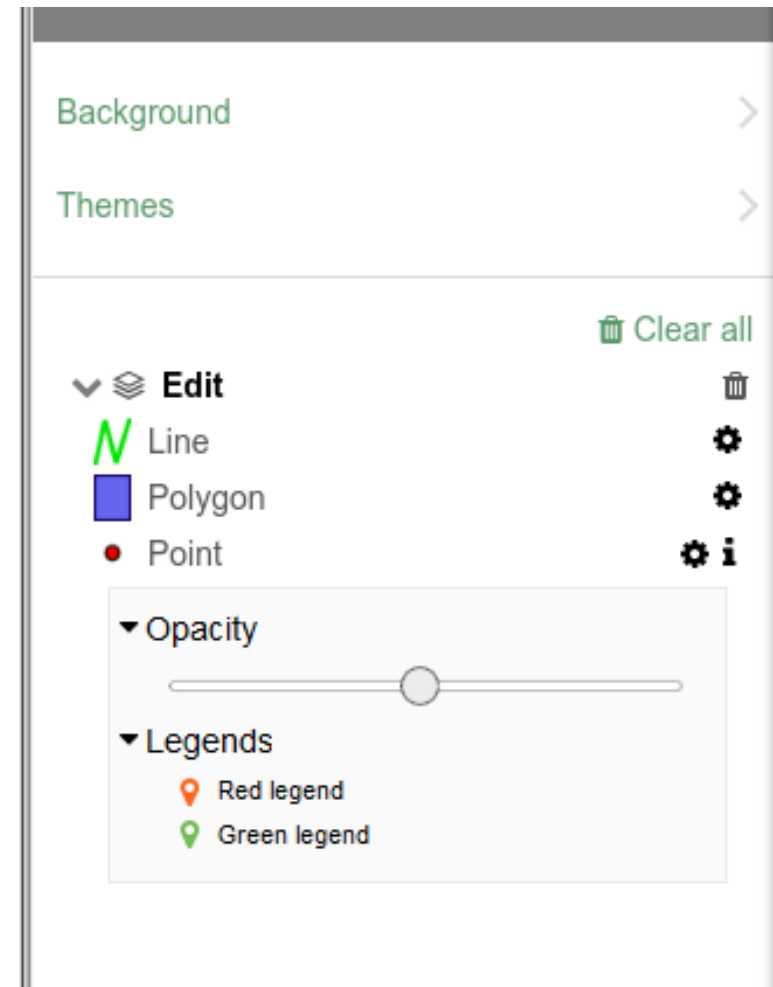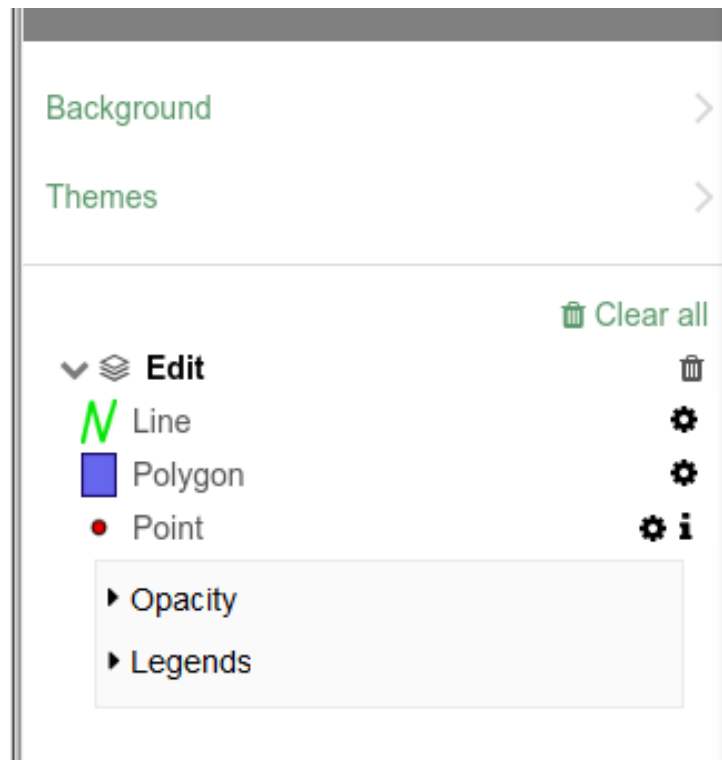
# GeoMapFish 2.3 Proposal
# Layertree flush/no flush for mobile

# GeoMapFish 2.3 Proposal
# Opacity for layers in mobile version

- Symbols closer to desktop

- Ready for the future

**camptocamp**

# Demos

- Cartoriviera

- SITN Plugins

- Basel-Stadt IFRAME

- EPFL Geoportal

  - https://plan.epfl.ch/desktoppro/

- Agrola Routing

# GeOcom

- June 6-9 in Chambéry

- Feedbacks by Emmanuel Belo

# tocamp

**camptocamp** INNOVATIVE SOLUTIONS
BY OPEN SOURCE EXPERTS