



INNOVATIVE SOLUTIONS  
BY OPEN SOURCE EXPERTS

# **GeoMapFish User Group**

## **Web Components Migration**

03.11.2022

# Agenda

- Version 2.7
  - Goals and results
- Web Components Migration
  - Analysis and estimates
  - Implementation strategies

# Version 2.7

- Have a strong base for future development
- Allow a progressive update
- Allow the addition of new features during update
- Answer the questions:
  - Are Web Components the right technology?
  - How long will it take to migrate?

- Yes, this is the technology we need for GeoMapFish
  - Modern, widely used and standard, independent from a library or framework
  - Easier component management
  - Code encapsulation, improved maintainability
- More than a Proof-of-Concept
  - Tools are in place to migrate
  - Two components have been migrated
  - We have a strong base for the future → LTS release

- Login and LIDAR features are now Web Components  
[https://geomapfish-demo-2-7.camptocamp.com/desktop\\_alt](https://geomapfish-demo-2-7.camptocamp.com/desktop_alt)

# Web Components Migration

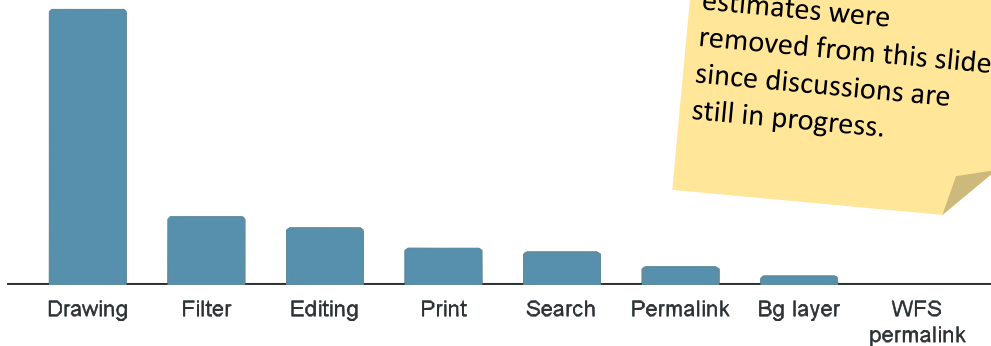
# Feature by Feature Migration

- First implementation strategy considered
  - Choose the most important feature and migrate it
  - Migrate dependent services at the same time
- Problems identified
  - Each feature requires the migration of several components
  - First features require a lot of work on GMF core



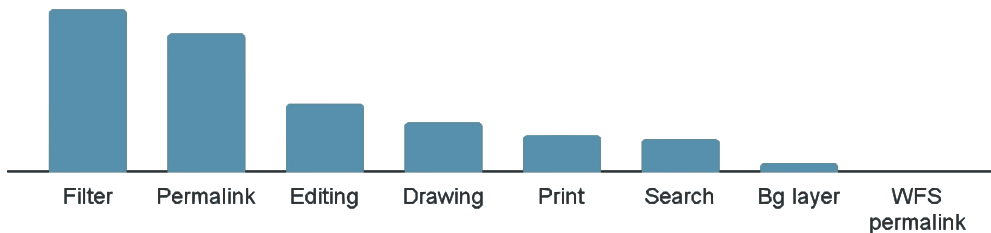
# Strategies

→ Big feature first



**2022-11-23 EDIT:**  
Some costs and estimates were removed from this slide since discussions are still in progress.

→ Filters first



# Estimates Summary

- Migration of the 8 features related to 2.8 requests
  - Filters, print, drawing, permalink, search, editing, WFS permalink, background layers
- These 8 features correspond to about half of the lines of code to be migrated
- This does not include any new feature

**2022-11-23 EDIT:**  
Some costs and estimates were removed from this slide since discussions are still in progress.

- Alternative implementation strategy still under analysis
- In line with the global migration goals
- Goals
  - First migrate essential components to Web Components (2022-2023)
  - After the core migration, allow the implementation of new, sustainable components
  - Continue to use non migrated features as long as needed

# camptocamp<sup>®</sup>

INNOVATIVE SOLUTIONS  
BY OPEN SOURCE EXPERTS