News from QGIS Server, QGIS Web Client and QGIS Cloud

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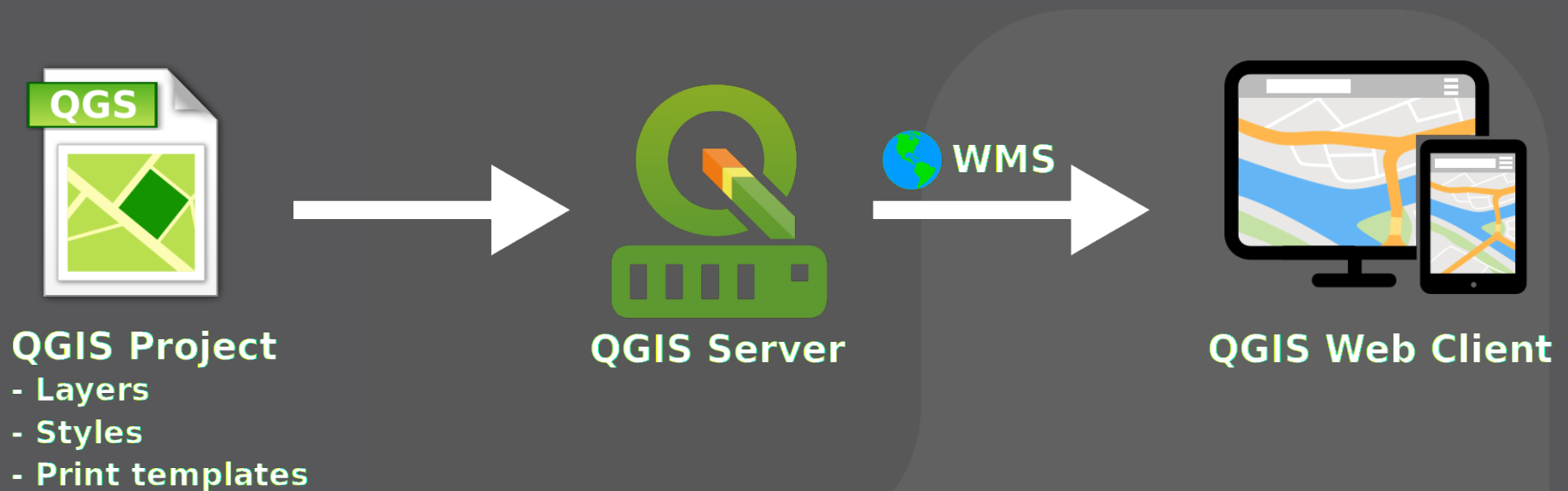**sourcepole.ch**

QGIS Server

- **Publish QGIS Desktop projects as WMS, WFS and WCS**

- **Initiated 2006 at the Institute of Cartography, ETH Zürich**

- **Part of the QGIS codebase since 2010**

- **C++, FCGI application**

- **Backend for QGIS Web Client and QGIS Cloud**

QGIS Server 3 News

- **Full WMS 1.3.0 compliance (mhugent)**
  - http://www.opengeospatial.org/compliance

- **Services as modules (dmarteau, rldhont)**
  - Add services without recompiling the server
  - Services can also be written in Python

- **Parallel rendering for WMS (pblottiere)**
  - QGIS_SERVER_PARALLEL_RENDERING True
  - QGIS_SERVER_MAX_THREADS 4

- **Lots of refactoring**

QGIS Web Client

- > WMS based WebGIS client for desktop and mobile devices

- > Optimized for QGIS specific WMS extensions

QGIS Project
- Layers
- Styles
- Print templates

QGIS Server

WMS

QGIS Web Client

QGIS Web Client

> **QWC1, introduced in Uster in 2009**

QGIS Web Client 2

> **Difficulties with QWC1:**
> > Non-responsive, old-fashioned interface
> > Interface too complex for many users
> > Uses obsolete libraries
> > Non-modular code base

> **Next generation QGIS Web Client: QWC2**
> > Modern, responsive interface
> > Focus on usability
> > Modular code base
> > State-of-the art technology: ReactJS, OpenLayers 4

QGIS Web Client 2

QGIS Web Client 2

- **Core functionalities, implemented as plugins:**
  - Theme (project) browser
  - Layer tree
  - Feature info
  - Search with configurable providers
  - Measure tools
  - Basic sketching functionality
  - Permalink generation
  - PDF-Print
  - Screenshot

- **Extensible!**

QGIS Web Client 2

> **Available on GitHub**
>> https://github.com/qgis/qwc2-demo-app
>> https://github.com/qgis/qwc2

> **Examples:**
>> https://services.geo.zg.ch/qwc2
>> http://map.geo.gl.ch/qwc2
>> https://webclient.stadtwerke-lemgo.de/qwc2/
>> http://qgiscloud.com

QGIS Web Client 2

> **Demo**

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QGIS Cloud

- **QGIS Server hosting with PostGIS Database and web client**

- **Publish maps with a single click from QGIS using the QGIS Cloud Plugin**

QGIS Cloud | qgiscloud.com

QGIS Cloud News

- QGIS Cloud Plugin now supports uploading raster layers

- New QGIS Cloud Webclient based on QWC2

QGIS Cloud | qgiscloud.com

Thanks!

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