

Map Creation for Large Scale Printers

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FOSSGIS e.V. / OpenStreetMap

Who am I

- Dipl. Informatiker (FH) 2006
- Freelancer since 2008 – mapwebbing
- Specialised in processing geographic data, WebGIS
- Using free and Open Source GIS
- Administrator at FOSSGIS e.V / osm.de

Why print maps?

- Need for plans
- Offline use, Internet not available everywhere or expensive
- To document certain situations
- Advertisements, presentations

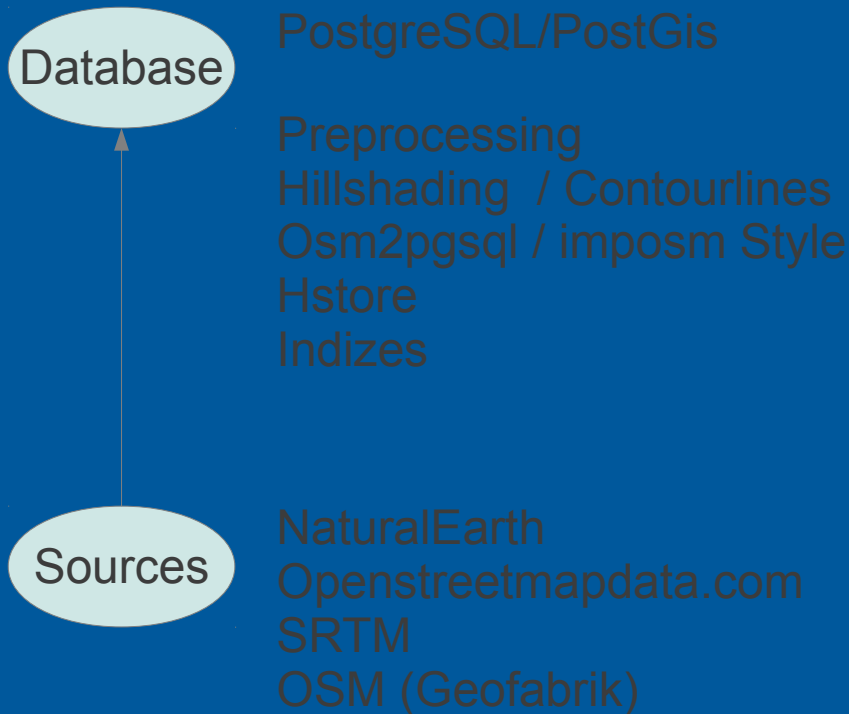
Why are not there more OSM printings?

- Majority is using online maps
- Not suitable for prints
- Render stack not easy to use
- Not large scale printer available

What is used to generate large scale and high resolution maps?



How to generate these maps?



How to generate these maps? II

Python-Script

Backend

Evaluation Input from Frontend
Crafting Rendering Request
Postprocessing
Saving output

Renderer

Mapnik / Nik2img
Cascadenik

MapServer

GeoServer

Hike&Bike
OSM
OSM-DE

Basemaps
Mapfiletemplate /
Makefile
Config (DB, Sources)
WMS

TODO

How to generate these maps? III

Frontend



OpenLayers / ExtJS / Geoext

Preview Map
Collecting Parameters

Perspective

- All in one package? - probably not
- Online service? - possible
- User friendly GUI missing
- Integration of more map styles
- Overlays (public transport, powergrid, boundarys, hiking routes, multilingual, graticule)

Ausblick II

- Different projections
- Feedback desired
- What requirements do YOU have?

Questions?

Thank you for your kind attention

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