Coorporation between GFZ and FOSSGIS e.v.

The German OSM Server

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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

At the service of the Community

- Strong, German OSM-Community
- Need for own Services (Styles, Extrakte,...)
- OSM-Handling huge ressources needed
- Advantages running own instance
- 5 Server in Germany

How does the Coorparation started

- Need for a hosting provider

- Negotiation with GFZ about requirements

- Setup / Maintenance FOSSGIS / OSM

GFZ
Helmholtz-Zentrum
POTSDAM

HELMHOLTZ
| GEMEINSCHAFT

Hardware Features

- Dual Quad-Core 2,4 GHz

- Disk: 2x 500 GB + 4x 2TB

- SSD: 2x 160GB, 1x 500GB

- 16GB RAM

- http://bessel.openstreetmap.de/

Tasks

- JOSM Hosting

- German OSM-Mapstyle, Tileserver

- Hosting current OSM-Database

Statistic

- **Apache** 19 Access per second

- **Traffic** 4MBit per second

- **Tirex** Z9: 100, z12: 200, z15: 357, z17: 490 milliseconds/second

- http://munin.openstreetmap.de/bessel/bessel.html

Conclusion

- GFZ relaiable partner (Support 1A!)

- Community now has own mapstyle

- Server and know how open to all ivolved organisations

More Server

- Humboldt – WMS, Blog, Taginfo

- Gauss – Tagwatch, Garmin Maps

- Mercator – currently free

- Medium – FOSSGIS main server

- Infos at wiki (de) / wiki (en)

Questions?

Thank you for your kind attention

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