

OSM applications in the Debian GIS project

How Debian supports OpenStreetMap applications

Andreas Tille

Debian

LSM, Montpellier, 11. July 2014

1 Short introduction of Debian GIS Blend

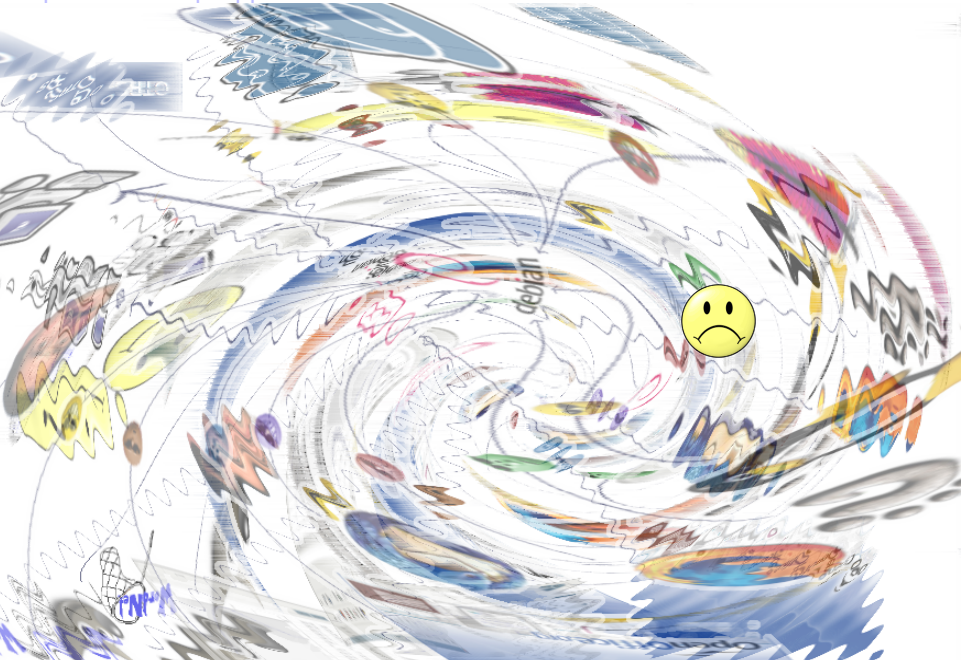
2 The people caring for OSM software in Debian

3 OSM workflow

- Trip preparation
- On your trip
- After collecting data on the trip
- Hosting your own OSM server

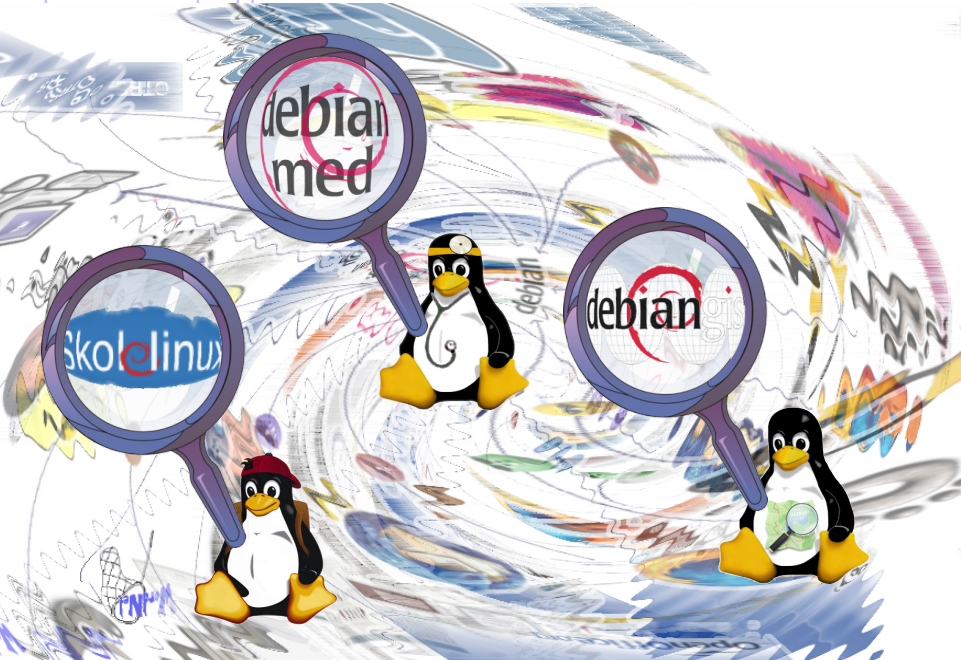
Debian











Purpose of Blends

- Making a certain topic "hot"
- Debian GIS attracts GIS and OSM users to Debian
- Teach users & developers how to work together with Debian since they can contact the Debian GIS team

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*Debian GIS advertises Debian to
OpenStreetMap users & mappers
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- following the example of biology inside Debian Med
- complex packaging tasks are profiting from developer team

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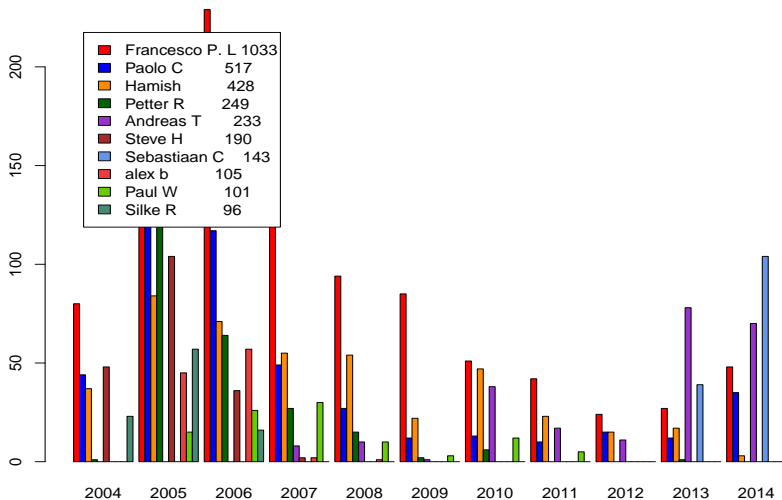
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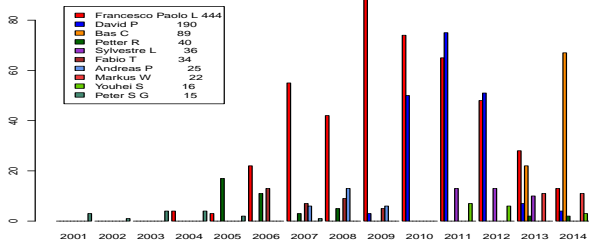
*Waking up in the morning and realising
that somebody else has solved your
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Top 10 people discussing on Debian GIS mailing list

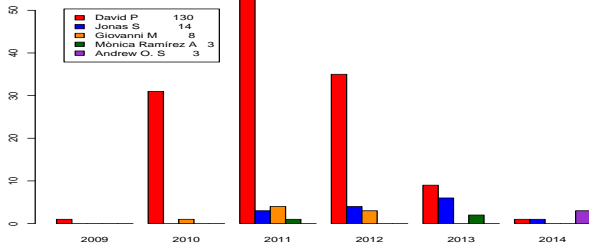


Top 10 Uploaders of Debian GIS

Debian GIS

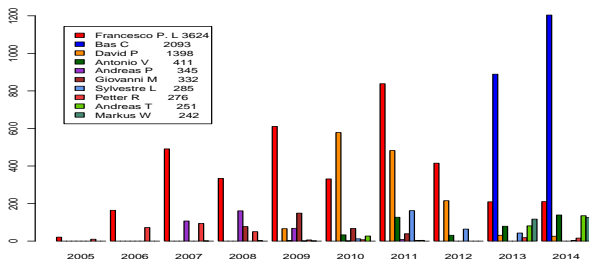


Pkg OSM

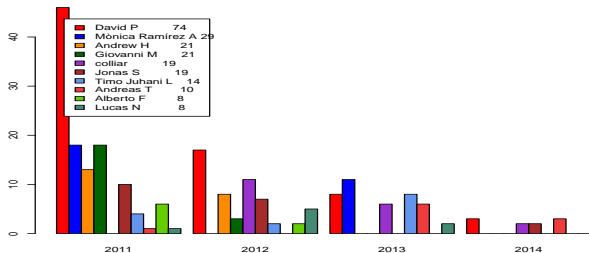


Top 10 Debian GIS developer discussion

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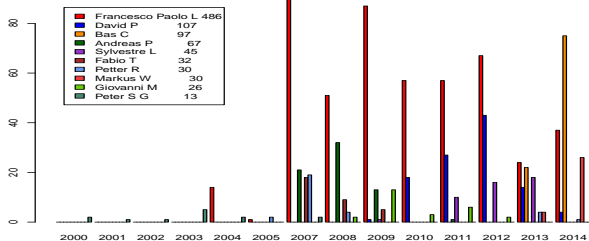


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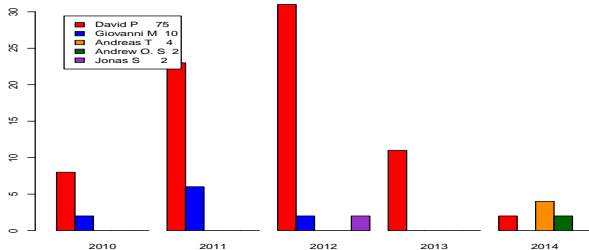


Top 10 bug hunters of Debian GIS packages

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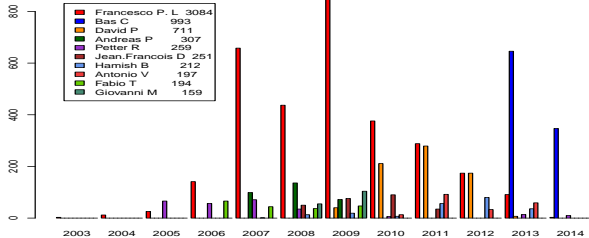


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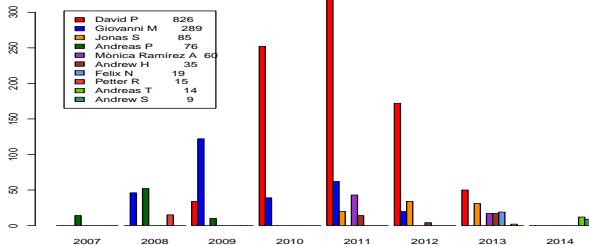


Top 10 contributors to VCS

Debian GIS



Pkg OSM



Why two packaging teams

- **packaging GRASS was historic root of Debian GIS**
- pkg-grass name simply came up first
- there are people who consider OSM different enough to create a separate packaging team pkg-osm
- turned out that there is quite some common set and splitting man-power does not make sense
- packages maintained by pkg-osm will be merged into pkg-grass repository that remains the single Debian GIS repository

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- **GPS mapping (GeoTiff and vector) and GPS management**
- drivers for Garmin devices are in qlandkartegt-garmin package
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- serves as a frontend to the GDAL tools
- straightforward interface
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- fast and exact routing without heuristic assumptions and with very little computational work
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Viking: clean up your track (alternative)

- GPS data editor, analyzer and viewer
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Various OSM server tools (random examples)

tilecache **web map tile caching system**

tilelite lightweight Mapnik tile-server

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- Several years ago on an LSM (RMLL) event I was asked: "Will Debian support Quantum GIS?"
- Sorry that's the wrong question.
- Debian is a Do-O-cracy
== the doer decides what will be done
- So if you, yes **you**, will package qgis in Debian then Debian will support qgis
- Finally such a "you" decided to do the work
- But if you ... again I mean **you** have some interesting application in mind which should be in Debian according to your opinion it is up to you to start the work ...
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Links, contacts

- *OSM task of Debian GIS*
- *Wiki*
- *package thermometer*
- *mailing list*
- *#debian-gis on irc.debian.org (OFTC)*

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- however, there is more cool stuff to package out there
- prove people claiming you should not package OSM software wrong
- unfortunately lacking publicity (via talks like this etc.)
- enhance teamwork (pkg-grass + pkg-osm)
- find new team members to enlarge team
- common sprints (developer meetings)

→ *Do good things and talk about it*

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