Debian Med

Integrated software environment for all medical purposes included in Debian GNU/Linux

Andreas Tille

Debian

Med-e-Tel, Luxembourg 2011

Structure

1. **What is Debian Med**

2. Realisation

3. Debian Med for service providers

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Motivation

- Free Software in medicine not widely established yet
- Some subareas well covered
- Medical data processing more than just practice and patient management
- Preclinical research of microbiology and genetics as well as medical imaging
→ Pool of existing free medical software

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Debian prepared for medical care

- Debian 6.0 > 29000 binary packages
- Focus on *medical subset* of those packages
- Packaging and integrating other medical software
- Easy installation and configuration
- Maintaining a general infrastructure for medical users
- General overview about free medical software
- Propagate the idea of Free Software in medicine
- Completely integrated into Debian - **no fork**

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Medical Software sustains inside Debian

- Making Free medical Software a part of Debian
- Some code is upstream dead and only available in Debian
- Several projects with goal to collect medical FLOSS are orphaned
- Debian Med will survive inside Debian even if early protagonists might stop working on it
- Fedora and OpenSuSE recently took over the concept

→ *Debian Med is a sustainable way to distribute medical FLOSS to the user*

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Basic ideas

Do not make a separate distribution but make Debian fit for medical care

No development of medical software - just smooth integration of third-party software

Debian-Developer = missing link between upstream author and user

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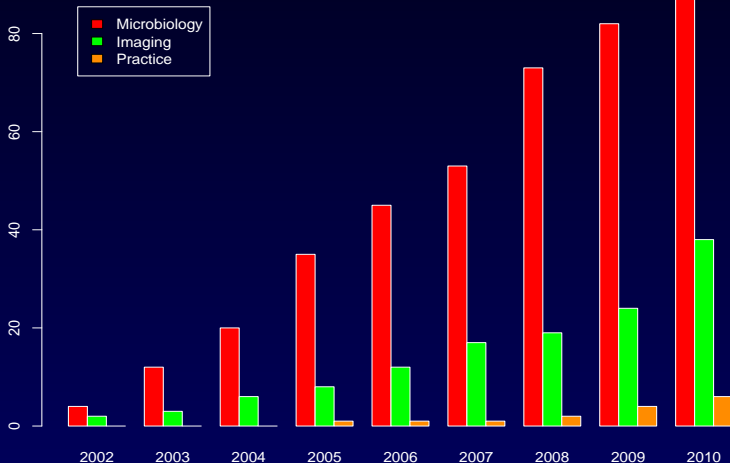
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Demonstration: Tasks pages

All packages of the Debian Med project are summarised in the so called *Tasks pages*
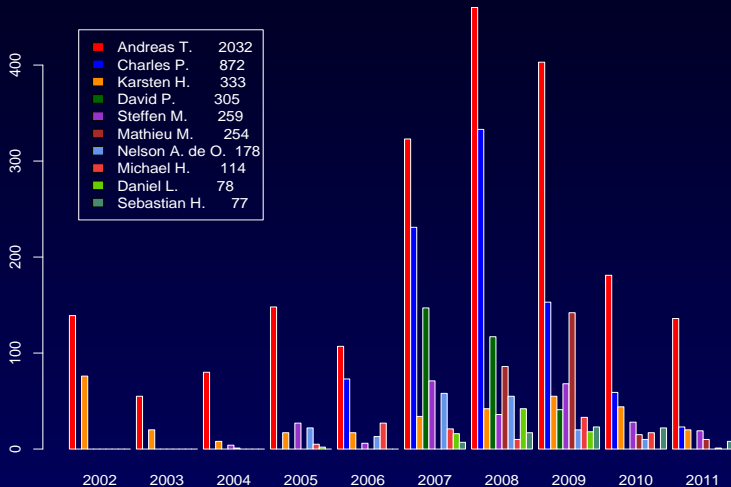
Selected metapackages of Debian Med

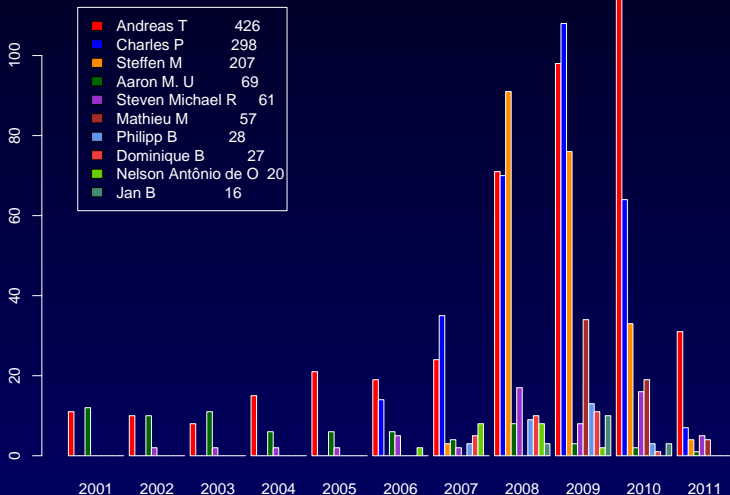**Number of dependencies of selected Debian Med metapackages**

Legend:
- Microbiology
- Imaging
- Practice

Top 10 posters on *debian-med@lists.debian.org*

Debian Med discussion list

Andreas T.   2032
Charles P.   872
Karsten H.   333
David P.   305
Steffen M.   259
Mathieu M.   254
Nelson A. de O. 178
Michael H.   114
Daniel L.   78
Sebastian H.   77

Top 10 uploaders of packages in Debian Med team

Debian Med uploaded packages

Legend:
- Andreas T — 426
- Charles P — 298
- Steffen M — 207
- Aaron M. U — 69
- Steven Michael R — 61
- Mathieu M — 57
- Philipp B — 28
- Dominique B — 27
- Nelson Antônio de O — 20
- Jan B — 16

Cooperation with other projects

- Developer meetings to join forces
- Debian derivatives
- Training of upstream developers in packaging
- Every medical FLOSS project is invited to join the effort

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Service providing using Debian Med

- Need for commercial support
- Needs specific knowledge of medicine computer scientists
- Business model: Service providing for medical Free Software
  - Software free of charge
  - Merits for
    - Consulting
    - Installation
    - Support
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Prospectus

- There are good requisites in Debian
- Needed: High quality Open Source applications for medicine to be integrated into Debian
- Further increase of interest of developers and users and getting them involved in the project
- Base for service providers in health care
- Turning Debian into the distribution of choice for people working in the field of medicine because there is best support for free medical software

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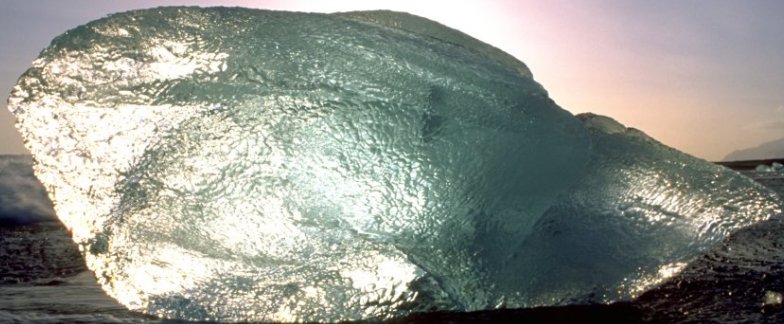
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This talk is available at

http://people.debian.org/~tille/talks/

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