

Debian Science

Turning Debian into the distribution of choice for scientists

Andreas Tille

Debian Conference 8

Mar del Plata, August 15, 2008

Debian Integrated Solution

Pronounce: DISh

... we provide a dish with a certain flavour

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Specific scientific DIShes

Debian Med **Strong focus on Microbiology**

Debian GIS Geographical Information Systems (especially GRASS)

DebiChem Chemistry

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Why not more?

- Idea of DIS needs some time to penetrate
- Advantages are not widely known
- Nobody likes to do the grunt work
- Umbrella to form more in the future

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Until last year

- **Debian-science mailing list (since 2005)**
 - Scientific user support
 - Does not really focus on DIS and tools
 - Slack discussion of scientific issues in Debian
- Categorisation
 - DebTags
 - Debram

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Debian Science DIS

- **DIS provides straightforward access to package pool**
- No need for searching interesting packages
- Engagement for packaging more scientific Free Software
- Further add-ons like user menus, preconfiguration, . . .
- Installer with adapted tasksel options

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Science specific metapackages

- **science-astronomy**
- science-biology
- science-chemistry
- science-electronics
- science-engineering
- science-geography
- science-linguistics
- science-mathematics
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Common science utilities

- **science-statistics**
- science-typesetting
- science-viewing

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Tasks files for *cdd-dev*

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 - Thanks to the *Junta de Extremadura*
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- Sensitisation of debian-science mailing list
 - pure packaging + user questions
 - become a DIS which provides a *solution*

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Some URLs

`http://wiki.debian.org/DebianScience:`

Debian Wiki

`http://wiki.debian.org/DebianScience/...`

`...ContributingToDebianScience:`

Contributing To Debian Science

`http://debian-science.alioth.debian.org/...`

`...debian-science-policy.html:`

Debian Science Policy

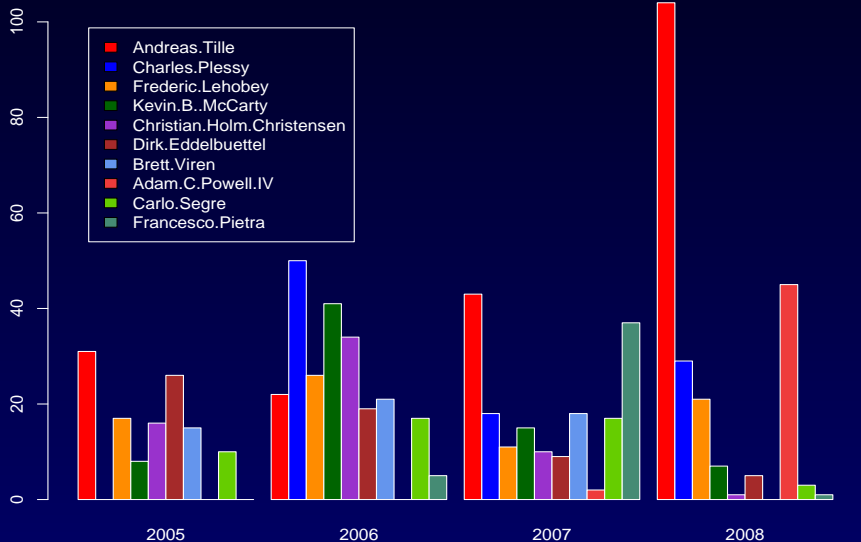
`http://cdd.alioth.debian.org/science/tasks/:`

Tasks overview

`http://debian-med.alioth.debian.org/:`

Future web features like in Debian Med possible

Top 10 posters on debian-science@lists.debian.org



Andreas Tille (*Debian Conference 8*)

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Using the web tools provided by DIS framework

- **DIS framework uses tasks files to build task information pages**
- Porting the QA tools of Debian Med DIS to all other DIShes
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- Increase support of single sciences to create more specific DIShes
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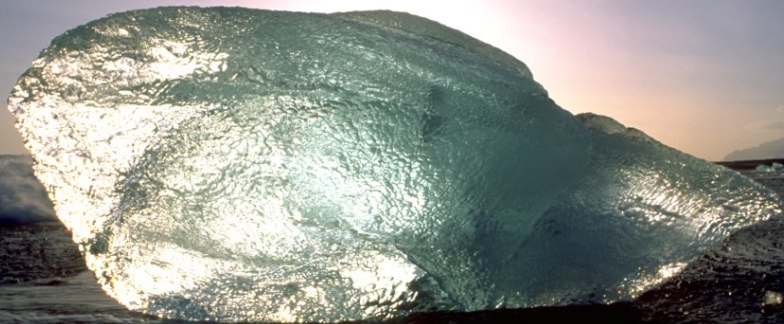
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This talk is available at



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

Andreas Tille <tille@debian.org>