Debian Science

Turning Debian into the distribution of choice for scientists

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Debian Conference 8

Mar del Plata, August 15, 2008

Debian Integrated Solution

Pronounce: DISh

. . . we provide a dish with a certain flavour

Specific scientific DIShes

Debian Med Strong focus on Microbiology

Debian GIS Geographical Information Systems (especially GRASS)

DebiChem Chemistry

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

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

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

Science specific metapackages

- science-astronomy
- science-biology
- science-chemistry
- science-electronics
- science-engineering
- science-geography
- science-linguistics
- science-mathematics
- science-physics
- science-robotics

Common science utilities

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

Tasks files for `cdd-dev`

- Done in two Extremadura meetings
  - Thanks to the *Junta de Extremadura*
  - Thanks to *Frederic Lehobey* and *Dominique Belhachemi*
- Sensitisation of debian-science mailing list
  pure packaging + user questions
  $\longrightarrow$ become a DIS which provides a *solution*

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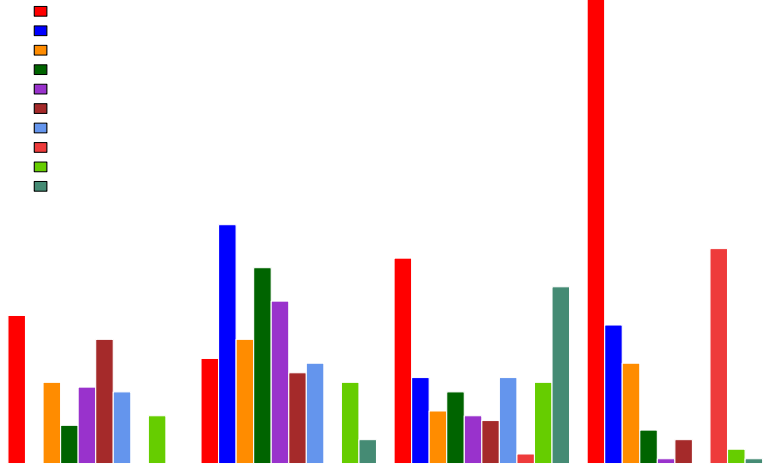`...debian-science-policy.html`:

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*

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
- Forming an instance for upstream developers of scientific software
- Working on the Todo list of not yet included packages

Todo

- Go on with the nice work
- Increase support of single sciences to create more specific DIShes
- Advertise the support of sciences in Debian to scientists
- Invite derivatives to join the effort

This talk is available at
http://people.debian.org/˜ tille/talks/
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