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-astronomy
- science-biology
- science-chemistry
- science-electronics
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- science-geography
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- science-mathematics
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Common science utilities

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Tasks files for \textit{cdd-dev}

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

\textit{Andreas Tille} \hspace{1em} \textit{(Debian Conference 8)}

\textit{Debian Science}

\textit{Mar del Plata, August 15, 2008}
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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
Charles.Plessy
Frederic.Lehobey
Kevin.B..McCarty
Christian.Holm.Christensen
Dirk.Eddelbuettel
Brett.Viren
Adam.C.Powell.IV
Carlo.Segre
Francesco.Pietra

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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
- Forming an instance for upstream developers of scientific software
- Working on the Todo list of not yet included packages
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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
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This talk is available at

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

Andreas Tille <tille@debian.org>