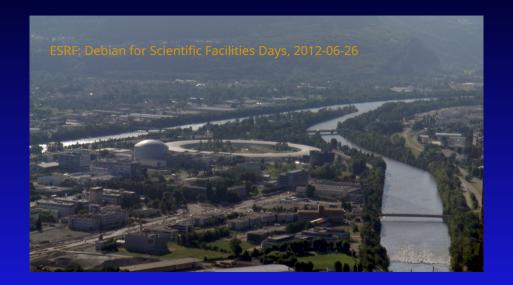
# Open Science and Free Software: Debian and Science

Martin Uecker and Andreas Tille

Online, December 5th, 2024



#### Debian Pure Blend

- ... rather an umbrella to grow specific Blends
- Virtual place where scientists in Debian can meet
- Not "competing" with other scientific Blends
- Maintenance of common scientific tools
- Entry point for scientists who want to contribute
- Other interesting teams:
  - Debian HPC: <u>Wiki</u>, Mailing list
  - Debian Math: tasks page, Mailing list
  - Debian Med
  - Debian PAN

- Debian Pure Blend
- ... rather an umbrella to grow specific Blends
- Virtual place where scientists in Debian can meet
- Not "competing" with other scientific Blends
- Maintenance of common scientific tools
- Entry point for scientists who want to contribute
- Other interesting teams:
  - Debian HPC: <u>Wiki</u>, Mailing list
  - Debian Math: tasks page, Mailing list
  - Debian Med
  - Debian PAN

- Debian Pure Blend
- ... rather an umbrella to grow specific Blends
- Virtual place where scientists in Debian can meet
- Not "competing" with other scientific Blends
- Maintenance of common scientific tools
- Entry point for scientists who want to contribute
- Other interesting teams:
  - Debian HPC: <u>Wiki</u>, Mailing list
  - Debian Math: tasks page, Mailing list
  - Debian Med
  - Debian PAN

- Debian Pure Blend
- ... rather an umbrella to grow specific Blends
- Virtual place where scientists in Debian can meet
- Not "competing" with other scientific Blends
- Maintenance of common scientific tools
- Entry point for scientists who want to contribute
- Other interesting teams:
  - Debian HPC: <u>Wiki</u>, Mailing list
  - Debian Math: tasks page, Mailing list
  - Debian Med
  - Debian PAN

- Debian Pure Blend
- ... rather an umbrella to grow specific Blends
- Virtual place where scientists in Debian can meet
- Not "competing" with other scientific Blends
- Maintenance of common scientific tools
- Entry point for scientists who want to contribute
- Other interesting teams:
  - Debian HPC: <u>Wiki</u>, Mailing list
  - Debian Math: tasks page, Mailing list
  - Debian Med
  - Debian PAN

- Debian Pure Blend
- ... rather an umbrella to grow specific Blends
- Virtual place where scientists in Debian can meet
- Not "competing" with other scientific Blends
- Maintenance of common scientific tools
- Entry point for scientists who want to contribute
- Other interesting teams:
  - Debian HPC: <u>Wiki</u>, Mailing list
  - Debian Math: tasks page, Mailing list
  - Debian Med
  - Debian PAN

- Debian Pure Blend
- ... rather an umbrella to grow specific Blends
- Virtual place where scientists in Debian can meet
- Not "competing" with other scientific Blends
- Maintenance of common scientific tools
- Entry point for scientists who want to contribute
- Other interesting teams:
  - Debian HPC: Wiki, Mailing list
  - Debian Math: tasks page, Mailing list
  - Debian Med
  - Debian PAN

- Debian Pure Blend
- ... rather an umbrella to grow specific Blends
- Virtual place where scientists in Debian can meet
- Not "competing" with other scientific Blends
- Maintenance of common scientific tools
- Entry point for scientists who want to contribute
- Other interesting teams:
  - Debian HPC: <u>Wiki</u>, Mailing list
  - Debian Math: tasks page, Mailing list
  - Debian Med
  - Debian PAN

- Debian Pure Blend
- ... rather an umbrella to grow specific Blends
- Virtual place where scientists in Debian can meet
- Not "competing" with other scientific Blends
- Maintenance of common scientific tools
- Entry point for scientists who want to contribute
- Other interesting teams:
  - Debian HPC: <u>Wiki</u>, Mailing list
  - Debian Math: tasks page, Mailing list
  - Debian Med
  - Debian PAN

- Debian Pure Blend
- ... rather an umbrella to grow specific Blends
- Virtual place where scientists in Debian can meet
- Not "competing" with other scientific Blends
- Maintenance of common scientific tools
- Entry point for scientists who want to contribute
- Other interesting teams:
  - Debian HPC: <u>Wiki</u>, Mailing list
  - Debian Math: tasks page, Mailing list
  - Debian Med
  - Debian PAN

- Debian Pure Blend
- ... rather an umbrella to grow specific Blends
- Virtual place where scientists in Debian can meet
- Not "competing" with other scientific Blends
- Maintenance of common scientific tools
- Entry point for scientists who want to contribute
- Other interesting teams:
  - Debian HPC: <u>Wiki</u>, Mailing list
  - Debian Math: tasks page, Mailing list
  - Debian Med
  - Debian PAN

- Mentoring of the Month (MoM)
- Sponsoring of Blends
- Packaging workshop at Max Planck Institute Kognitions- und Neurowissenschaften Leipzig (October 2006)
- Debian for Scientific Facilities Days at ESRF Grenoble (June 2012)
- Packaging workshop at Max Planck Digital Library Munich (July 2014)
- Several live packaging workshops

- Mentoring of the Month (MoM)
- Sponsoring of Blends
- Packaging workshop at Max Planck Institute Kognitions- und Neurowissenschaften Leipzig (October 2006)
- Debian for Scientific Facilities Days at ESRF Grenoble (June 2012)
- Packaging workshop at Max Planck Digital Library Munich (July 2014)
- Several live packaging workshops

- Mentoring of the Month (MoM)
- Sponsoring of Blends
- Packaging workshop at Max Planck Institute Kognitions- und Neurowissenschaften Leipzig (October 2006)
- Debian for Scientific Facilities Days at ESRF Grenoble (June 2012)
- Packaging workshop at Max Planck Digital Library Munich (July 2014)
- Several live packaging workshops

- Mentoring of the Month (MoM)
- Sponsoring of Blends
- Packaging workshop at Max Planck Institute Kognitions- und Neurowissenschaften Leipzig (October 2006)
- Debian for Scientific Facilities Days at ESRF Grenoble (June 2012)
- Packaging workshop at Max Planck Digital Library Munich (July 2014)
- Several live packaging workshops

- Mentoring of the Month (MoM)
- Sponsoring of Blends
- Packaging workshop at Max Planck Institute Kognitions- und Neurowissenschaften Leipzig (October 2006)
- Debian for Scientific Facilities Days at ESRF Grenoble (June 2012)
- Packaging workshop at Max Planck Digital Library Munich (July 2014)
- Several live packaging workshops

- Mentoring of the Month (MoM)
- Sponsoring of Blends
- Packaging workshop at Max Planck Institute Kognitions- und Neurowissenschaften Leipzig (October 2006)
- Debian for Scientific Facilities Days at ESRF Grenoble (June 2012)
- Packaging workshop at Max Planck Digital Library Munich (July 2014)
- Several live packaging workshops

## Do it yourself

- Do not take Debian as a finished product but something you can influence
- Turn Debian into something that fits your needs
- Debian developers are happy to support you

## Do it yourself

- Do not take Debian as a finished product but something you can influence
- Turn Debian into something that fits your needs
- Debian developers are happy to support you

## Do it yourself

- Do not take Debian as a finished product but something you can influence
- Turn Debian into something that fits your needs
- Debian developers are happy to support you

## Reproducibility

- Reproducible builds
- Snapshots of every released Debian package
- → Establish reproducible containers some guarantee your container still builds in future without divergence

## Reproducibility

- Reproducible builds
- Snapshots of every released Debian package
- → Establish reproducible containers some guarantee your container still builds in future without divergence

## Reproducibility

- Reproducible builds
- Snapshots of every released Debian package
- → Establish reproducible containers some guarantee your container still builds in future without divergence

Slides available at https://people.debian.org/~tille/talks/ Andreas Tille <tille@debian.org>