aka Debian-Edu

Linux in der Schule
These slides are written in English, even though the talk will be held in German. Unless the audience wants it in English ;-)

Reasons:
- Easy "recycling" of these slides for me and others.
- Debian-edu is developed in English. There are local (user) communities too, but our common language is English.

Zwischenfragen sind gern gesehen, insbesondere wenn ich zuviel Denglisch rede :-)
Outline

- some bits about me
- debian, debian edu
- project goals
- architecture & features
- status of world domination ;)
- development model & tools
- german community
- contributions to Debian
- current and future challenges
Some debian bits about me

• running Debian stable as primary OS since 1996
• contributing since 2003
• Debian Developer, holger@debian.org since 2007
  – Debian-edu member, powerpc porter, ftpmaster
  – FAI (fully automatic installation) developer
  – Debian-QA / piuparts contributor
  – founded debian-community.org
• DebConf organizer
  – founded the DebConf video-team in 2005
About the two names...

- nowadays Debian Edu and Skolelinux are used as synonyms – it's the same project
- Skolelinux was started in 2001 in Norway, Debian Edu at around the same time in France
  - skole is Norwegian and means school
  - edu is short for education
- I tend to say that
  - Debian Edu is name of the project
  - Skolelinux is the name of the distribution
Debian

- **Debian Free Software Guidelines** (free distribution, open source, derived works, no discrimination against usage or users, ...)
- **Social Contract** (will remain 100% free, we will gave back, we wont hide problems, our priority are our users and free software, therefore contrib and non-free)
- > 1000 developers, > 18000 software packages, 12 architectures officially supported
- prominent users: LiMux, LinEx, BSI, HP, LindenLabs (2\textsuperscript{nd} life), Pixar, Jim Henson, Ubuntu..
Debian Edu and Debian

- official Debian sub-project (and another CDD (Custom Debian Distribution))
- more than 25 developer gatherings in norway, germany, spain, brazil, france – good to improve cooperation and to avoid flamewars
- approx. 30 debian-edu developers, more than 150 translators and documentation writers
- >1000 debian developers :-)
- 9 packages which are currently not in debian, 11 packages which are modified in debian edu
- goal for lenny: 0 packages differ from debian
Project goals

● The original idea: provide a software distribution with a complete IT platform for primary schools.

● ethical goals:
  – teach kids that sharing software can be legal and good
  – teach kids how to tinker and improve the software they use
  – demonstrate the quality of free software
  – provide programs on all the native languages (plattdüütsch)
Project goals continued

• practical goals:
  – reduce the computer-related expenses in schools
  – give schools a well-tested collection of services which reduce system administration needs
  – increase computer availability
School specific needs

- low maintainance, out-of-the-box setup
- little ressources
- localisation – very important in schools
- learning to express, share & learn
- tools for making music, drawings & learning
- source code availability – to be able to understand what's going on and change it
- different tools for different kind of pupils
- office, java and flash :-(

-> not so very school specific at all! :-(
Debian Edu “terra 3.0” features

- simplified debian-installer for i386, amd64 and powerpc
  - architecture specific installation CDs
  - multiarch DVD
- LTSP server for thin- & half-thick clients
- installed services: ldap, web, mail, remote syslog, cups, ntp, dhcp, dns
- LDAP out the box
  - user database, home dirs on every machine (via NFS)
  - web based admintool lwat
More features

- KDE based desktop with java & flash and OpenOffice.org
  - KDE kiosk mode preconfigured
- complete end-user documentation
  - developed in a wiki
  - translated with .po files
  - generates html and pdf versions
- live-CDs built with debian-live (see http://live.debian.net)
- 3.0r1 coming real soon now
debian-edu in schools worldwide and beyond

- used in more than 450 schools worldwide - mostly europe (300 in .no, 70 in .de) but also more than 60 in africa, distributed via http://fairinternational.org/
- between 200 and 30000 users per school
- this will at least double in 2008 (LinEx)
- cooperation agreements with Edubuntu, LinEx (Extremadura Spain), KDE-edu, PSL-Brasil, mEDUXa and the UN/MIT project One Laptop per Child
Schools using debian-edu
Development model

- All code, translations and documentation have to be committed to our source code management system(s)
- Bugs have to be committed to the bug-tracking system(s)
- Commit everything upstream.
- Follow the licence-terms, encourage GPL
- Help people to help them selves
- The person who does something decides
Development “tools”

- debian-edu@lists.debian.org
- wiki.debian.org/DebianEdu
- #debian-edu, monthly meetings
- svn.debian.org/debian-edu on Alioth
- ftp.skolelinux.no (we give upload rights to non-DDs – within our policies)
- svn-commit triggered builds of etch and etch-test CDs
- frequent RL gatherings
german community

- Mailingliste: user@skolelinux.de
- #skolelinux.de auf irc.debian.org
- wiki.skolelinux.de
- Testzentrum in Gütersloh
- sometimes/partly disconnected from international efforts
  - share your needs, work & experience in english
  - LinEx merges too!!
Contributions to Debian

- participation in the CDD effort
- funded kickoff of debian-installer
- preseeding for d-i
- funded kickoff of testing-security
- LTSP
- skilled developers :)
- support the free java and gnash efforts
Current and future challenges

- release “terra 3.0 r1” with improved documentation and lwat
- customisations of the German and French skolelinux teams are only very slowly integrated into debian-edu
- integration of the LinEx customisations, LinEx plans to deploy a new version based on Debian Edu in spring 2008
- release with Debian Lenny (end of 2008)
Wanna join?

• we need:
  – developers
  – testers (general & amd64 & powerpc)
  – translators
  – documentation writers
  – artists
  – multiplicators
  – users (teacher, pupils)
Dankeschön :)  

• Questions ?