

# **HeNN eLibrary Teachers Training 2015**

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# Open Source Software

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# Introduction of FOSS

- liberally licensed to grant users the right to use, study, change, and improve its design through the availability of its source code.
- freedom to copy and re-use the software, rather than to the price of the software
- Here is 1 slogan, FSF said whether it is right or wrong "think of free as in free speech, not as in free beer".

# History

- Free Software Foundation (FSF) was founded in October 1985 by Richard Stallman in the U.S.
- Later on, freely modifiable source code in 1991 by Linus Torvalds
- with version 0.12 in February 1992, he relicensed under the GNU General Public License
- In 1998 FOSS name was given.

# What is free software?

- free as a matter of liberty, not price
- distributed in source form freely modified and redistributed
- focuses on the philosophical freedoms

# What is open source?

- marketing name for Free Software
- the fact that the source code of Free Software is open to and for the world to take, to modify and to reuse

# Advantages

- Availability of source code and right to modify it
- Reuse of code and shorter development time
- Right to use the software in any way
- Lower development cost



# Disadvantages

- Disclosure of trade secrets
- No single entity on which the future of the software depends
- No “black boxes” are possible
- Fewer conflicting due to marketing pressure

# Why free software is better than open source?

- Software can get for zero price
- Gives certain freedoms to the users

# Examples

- Linux (or GNU/Linux) freeBSD
- Open BSD
- Net BSD
- GNU/Hurd

# Major free software websites

- [www.slashdot.org](http://www.slashdot.org)
- [www.freshmeat.net](http://www.freshmeat.net)
- [www.advogato.org](http://www.advogato.org)
- [www.opensource.org](http://www.opensource.org)
- [www.fsf.org](http://www.fsf.org)

# Linux distro

- Ubuntu linux
- Fedora
- Xandros
- Linspire
- Win4lin
- Edbuntu

Thank