

1960's

1970's

1980's

1990's

2000's

2010's

# EVOLUTION OF OPEN SOURCE

**Open-source** adj.  
Being or relating to computer software for which the source code is freely available. The term was coined at the Open Source Summit in 1998.



Some communities of users (DECUS, SHARE, USE) of those early systems started organising themselves to share information and knowledge (kind of like today's OSS communities!)



After some lawsuits IBM started debundling software from hardware starting to charge for software.

First commercial software companies are formed (Microsoft, Apple)

Bill Gates' open letter to hobbyists claiming that sharing software is hurting the developers!

1975



1984

Stallman founded Free Software Foundation and the GNU project in frustration with the state of software development (commercialisation of UNIX, companies copyrighting their products)

The Free Software Foundation released the GNU General Public License, the most widely used open source license.

1989



Various distributions started

1993



1998

Open Source Initiative was formed to educate about and advocate the benefits of open source and to build bridges among different constituencies in the open source community.



2004



2011



The Future of open source is trending towards mobile and cloud software development.

Software was distributed with hardware. (early systems: IBM etc.) The idea of selling software was not around.

1961

1965

PDP-8 came out

MIT acquired the PDP-1 which became the heart of the AI Lab and gave rise to the hacker culture.

1969

Ken Thompson and Dennis Ritchie started working on UNIX to deal with the increasing need for a multi-user OS for those systems (PDP series etc.) which went on to become the first open source operating system.



1976



1979

AT&T licensed UNIX so its code could no longer be distributed to universities and be studied by students.



1987

Tanenbaum created MINIX, a Unix clone for educational purposes, the only open-source UNIX clone at the time.

1991



Linus Torvalds, a Finnish computer science student wrote the first version of the Linux kernel based on MINIX and posted it on an internet newsgroup.

1995



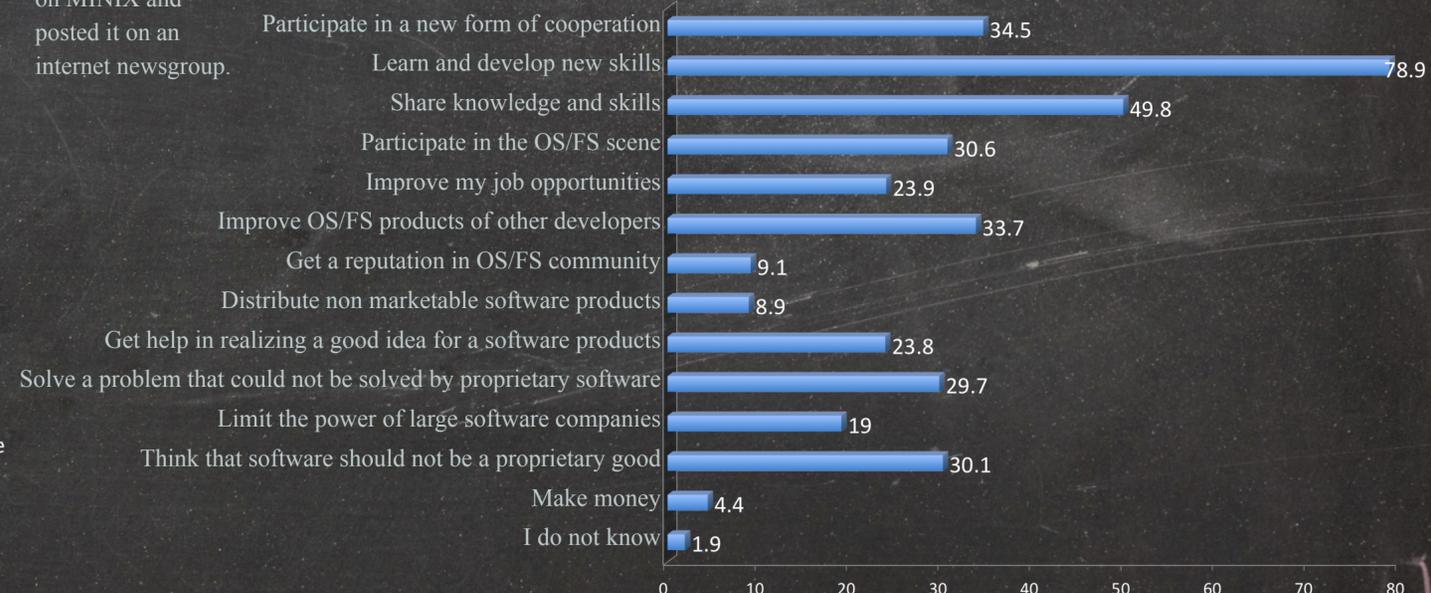
2001



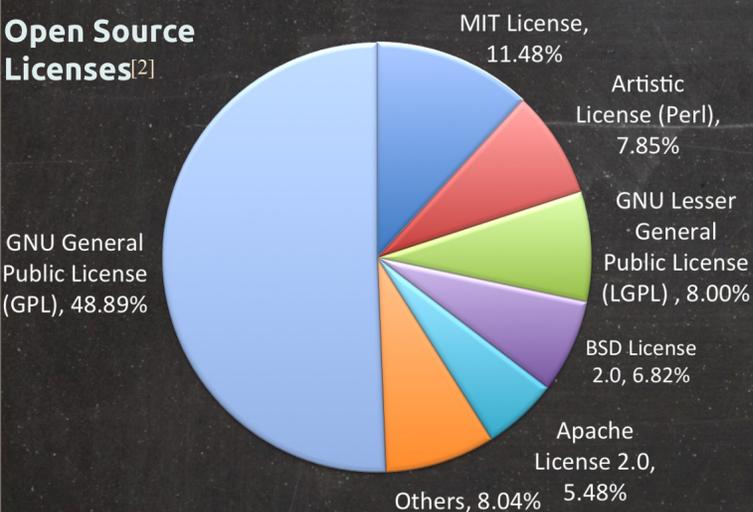
2008



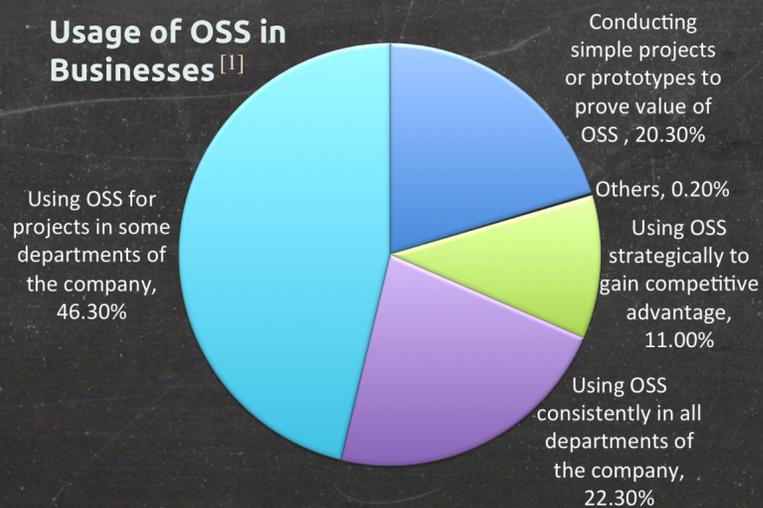
Reasons for OS/FS Community Participation [3]



## Open Source Licenses [2]



## Usage of OSS in Businesses [1]



## References

- [1] Gartner Inc. 2011 [http://www.gartner.com/it/page.jsp?id=1541414]
- [2] BlackDuck Open Source Resource Center [http://www.blackducksoftware.com/oss/licenses]
- [3] Ghosh, R., et al. In: International Institute of Infonomics, University of Maastricht, 2002. Free/Libre and Open Source Software: Survey and Study: FLOSS Final Report Part IV Survey of Developers. Berlin, Germany June 2002.
- [4] Theotokis, A.S., Spinellis, D., Kechagia, M. and Gousios, G. 2011. Open Source Software: A Survey from 10,000 Feet. In: Foundations and Trends in Technology, Information and Operations Management, Vol. 4. Nos. 3-4. p.187-347