





OSS Software Engineering meets Social Networking: Building Communities

Cornelia Boldyreff Department of Computing and Informatics

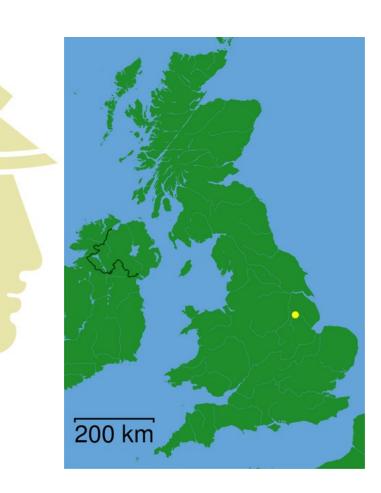
Centre for Research in Open Source Software

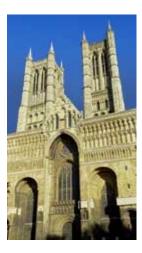
University of Lincoln

presented at OSSG Requirements Elicitation Workshop 8 January 2009

Centre for Research in Open Source Software











cross.lincoln.ac.uk

Centre for Research in Open Source Software



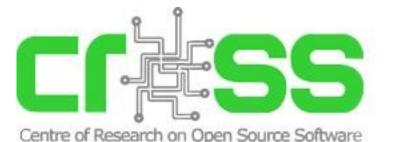


Successful OSS Projects

Meeting users' needs effectively Openness – Communication and Networking

Transparency – Sharing process knowledge as well as outputs Intellectual Accessibility

Sustainable developer community

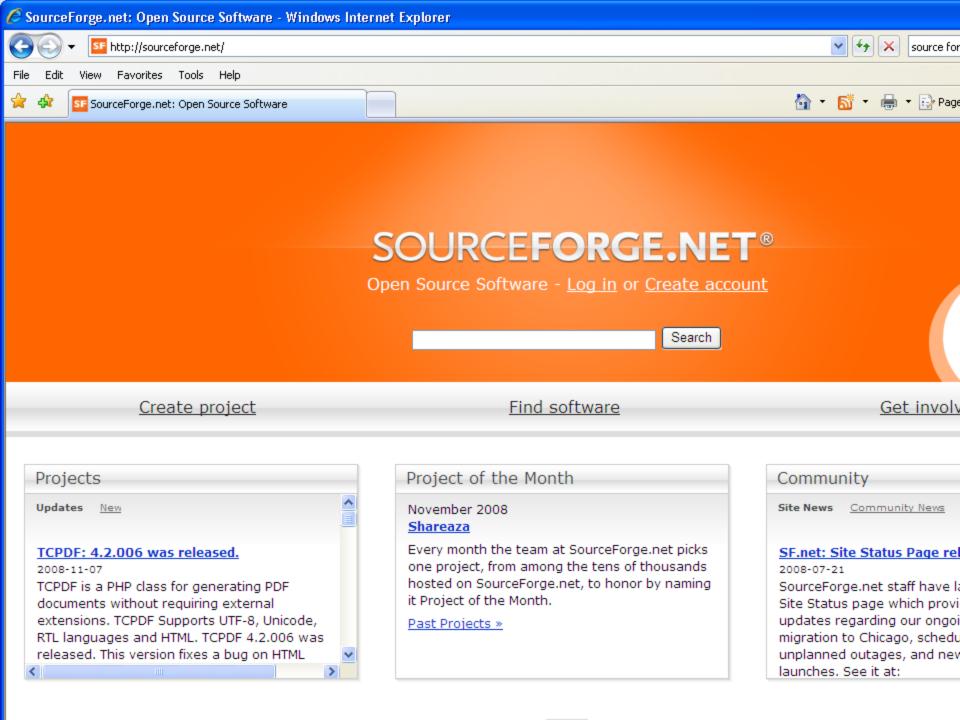




UNIVERSITY OF

The Role of Web-based Communities

- Accessibility offered by the web has been a key factor in OSS success, also cheap laptops and budget airfares!
- Web-based OSS SEEs such as SourceForge offer project hosting and a basis for community building.
- Other OSS projects are clustered around major Linux distributions, Desktop distributions.
- Wider distribution results in more users and potentially larger development communities.



odebian

About Debian News Getting Debian Support Developers' Corner Site map Search

About Social Contract

Free Software Partners Donations Contact Us

News Project News Events

Getting Debian CD vendors CD ISO images Network install Pre-installed

Debian Packages Documentation Release Info Installation manual

Debian Books Support

Debian International Security Information Bug reports Mailing Lists Mailing List Archives Ports/Architectures

Miscellaneous Help Debian **Developers' Corner** Site map Search



For older news items see the News Page. If you would like to receive mail whenever new Debian news comes out, subscribe to the debian-announce mailing list.

Security Advisories

[02 Jan 2009] DSA-1695 ruby1.8, ruby1.9 - memory leak [02 Jan 2009] DSA-1694 xterm - design flaw

[29 Dec 2008] Debian mourns the loss of Thiemo Seufer

[08 Aug 2008] Mar del Plata to host 8th Debian conference

[18 Dec 2008] Debian GNU/Linux 4.0 updated

[23 Oct 2008] Debian GNU/Linux 4.0 updated

What is Debian?

Debian is a free operating system (OS) for your computer. An operating system is the set of basic programs and utilities that make your computer run. Debian uses the Linux kernel (the core of an operating system), but most of the basic OS tools come from the GNU project: hence the name GNU/Linux.

Debian GNU/Linux provides more than a pure OS: it comes with over 18733 packages, precompiled software bundled up in a nice format for easy installation on your machine.

Read more...

Getting Started

The latest stable release of Debian is 4.0. The last update to this release was made on December 18th, 2008. Read more about available versions of Debian.

If you'd like to start using Debian, you can easily obtain a copy, and then follow the installation instructions to install it.

If you're upgrading to the latest stable release from a previous version, please read the release notes before proceeding.

To get help in using or setting up Debian, see our documentation and support pages.

Users that speak languages other than English should check the international section.

[26 Jul 2008] Debian GNU/Linux 4.0 updated and support for newer hardware added

People who use systems other than Intel x86 should check the ports section.

[12 Dec 2008] DebConf 9 to take place in Extremadura, Spain in July 2009

News

KDE Homepage

Sitemap Contact Us

About KDE

What is KDE? Screenshots Try KDE Announcements General Information Documentation Supporting KDE Merchandise History

Be free

KDE is an international technology team that creates Free Software for desktop and portable computing. Among KDE's products are a modern desktop system for Linux and UNIX platforms, comprehensive office productivity and groupware suites and hundreds of software titles in many categories including Internet and web applications, multimedia, entertainment, educational, graphics and software development. KDE software is translated into more than 60 languages and is built with ease of use and modern accessibility principles in mind. KDE4's full-featured applications run natively on Linux, BSD, Solaris, Windows and Mac OS X. More...

Download

Stable Version Source Code FTP Mirrors

Community

Code of Conduct Users People Mailing Lists Forum

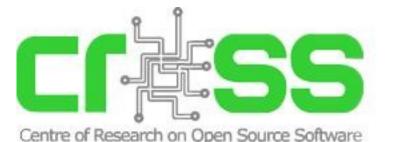


Latest Announcements

KDE 4.1.3 released.

On Eth Nevember 2009, the KDE community released KDE 4.1.2

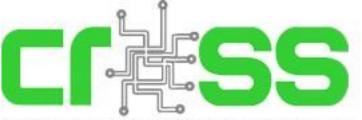






OSS is Community based Development

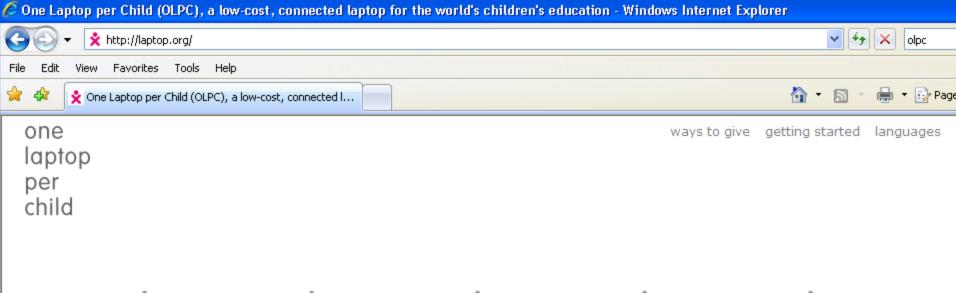
- These are truly web-based communities.
- Software development projects require collaborative working; SD is a paradigm case of CSCW.
- OSS projects similarly offer exemplars of CSCW applied to SE.
- OSS projects must actively address community development!





Case Study OLPC

- "an education project" with a social context bringing together educationalists, software engineers, hardware engineers in one large community - reflected in the OLPC web presence.
- OLPC is based on "learning by making/doing" and its software base is OSS.





give a laptop. get a laptop. change the world.

coming nov 17 at amazon.com/xo

sign up to receive updates:

subscribe

🏉 The OLPC Wiki - OLPC ·	- Windows Internet Explorer				
💽 🗸 🖉 http://wiki.k	aptop.org/go/Home		🖌 🛃 🗙 Google		
File Edit View Favorites	Tools Help				
🚖 🏘 🌈 The OLPC Wiki -	OLPC		🚹 🔹 🚮 🔹 🌧 🔹 🔂 Page		
1 □ → ×	translate Image page Image The OLPC Wiki (Redirected from Home) This page is monitored by the	view source Shistory			
one laptop per child Search		и deutsch español français kreyòl ayisyen italiano 日本語 한· kinyarwanda türkçe 中文 繁體中文	국어 монгол ਜੈपाली norsk		
Google search Wiki search	Welcome to the One Laptop per Child Wiki, a collaborative site about the OLPC project and related communities. We are cur pages in over twenty languages.				
About OLPC		Learn More 🕜 Get Involved 🔗 What's New 🕙	About this wiki		
 Home Community news Contact us Email lists and IRC Recent changes Ways to participate 	14 16 18 19	One Laptop per Child association is developing a low-cost laptop—the "XO Laptop"—to revolutionize how we educate the world's children. Our goal is to provide children around the world with new opportunities to explore, experiment, and express themselves.	Mission Statement: One Laptop educational opportunities for the children by providing each child cost, low-power, connected lapt		
About the XO Help using the XO Support for the XO 		Why children need laptops : laptops are a window and a tool: a window into the world and a tool with which to think. They are a wonderful way for children to learn learning through independent	software designed for collaborat empowered learning.		
Projects	interaction and exploration.				
 Educators Software Emulation Hardware Activities 	What's new	Weekly current events · OLPC Planet · Current	events archive		
 Activities Content Testing 	The XO Software Release	8.2.0 is out: with a redesigned interface, software updater,	t Releases: OS images		

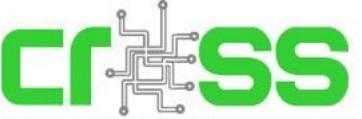
Peripherals
 and 19 languages. Pead the release notes





Linking our CS students into OSS

- Using OSS in teaching CS e.g. Linux in OS module
 - Student studies of OSS projects in SE module
 - Student projects use OSS and contribute to OSS projects.
 - Development of support for students to contribute to OLPC -CODEX project.



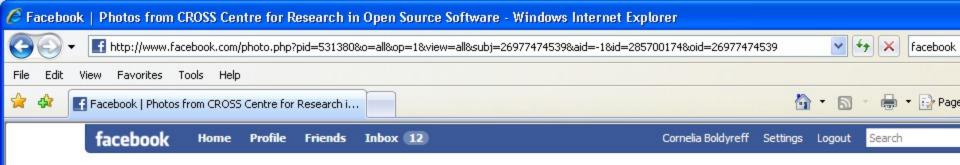




- Supporting collaborative development for the XO laptop.
- UROS project in Summer 2008
- Student researcher embedded in CROSS.
- CODEX LiveCD has been produced with wiki based tutorial support but major outcome has been confidence gained by student through interaction with wider OSS community and their encouragement and help.



teaching and research in the undergraduate curriculum. UROS provides students with the

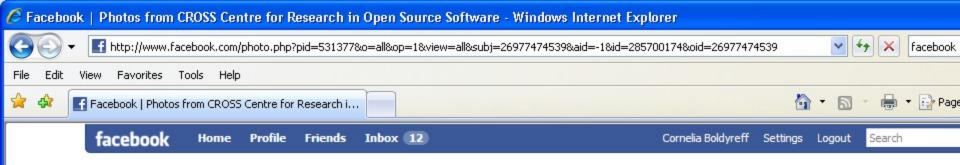


Photos from CROSS Centre for Research in Open Source Software

Photo 4 of 7 | Back to Group | See All Photos

Previous Next

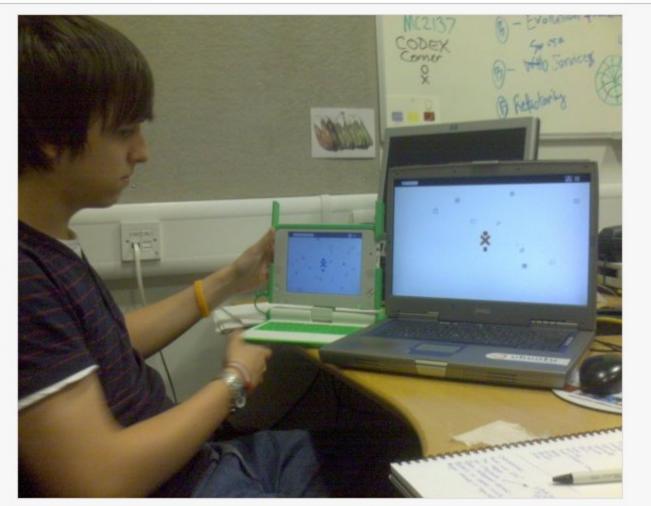




Photos from CROSS Centre for Research in Open Source Software

Photo 1 of 7 | Back to Group | See All Photos

Previous Next





advantaduate student walled within CDOCC to account and develop a student forward wanties of the annulas Once Counce

ODEX Blog

Collaborative Development for the XO Laptop (CODEX)

CODEX Blog

CODEX LiveCD Sampler Available

without comments

Good news! You can download a 'taster' of the CODEX LiveCD without the need for a BitTorrent client. There are some known issues with this CD but it is still a good way of testing the basics of the Sugar interface without having to install anything on your PC.

Known issues include:

- 'Browse' activity not working as intended.
- Multiple XFCE menu shortcuts not present.
- Untested on various hardware platforms (should work wherever Xubuntu Linux works!)
- Sugar packages need updating.

Unfortunately due to a busy schedule with the final year of my degree, I don't have the available time to devote more attention to this project. Perhaps someone might be able to continue the work in the future? I am not turning my back on the project, I just don't have much time to dedicate in recent weeks.

Apologies for the free hosting service, if you would like to help with hosting the CD please contact me.

Obligatory screenshot: (Running in VirtualBox)



Download HERE (Hosted by MEGAUPLOAD).

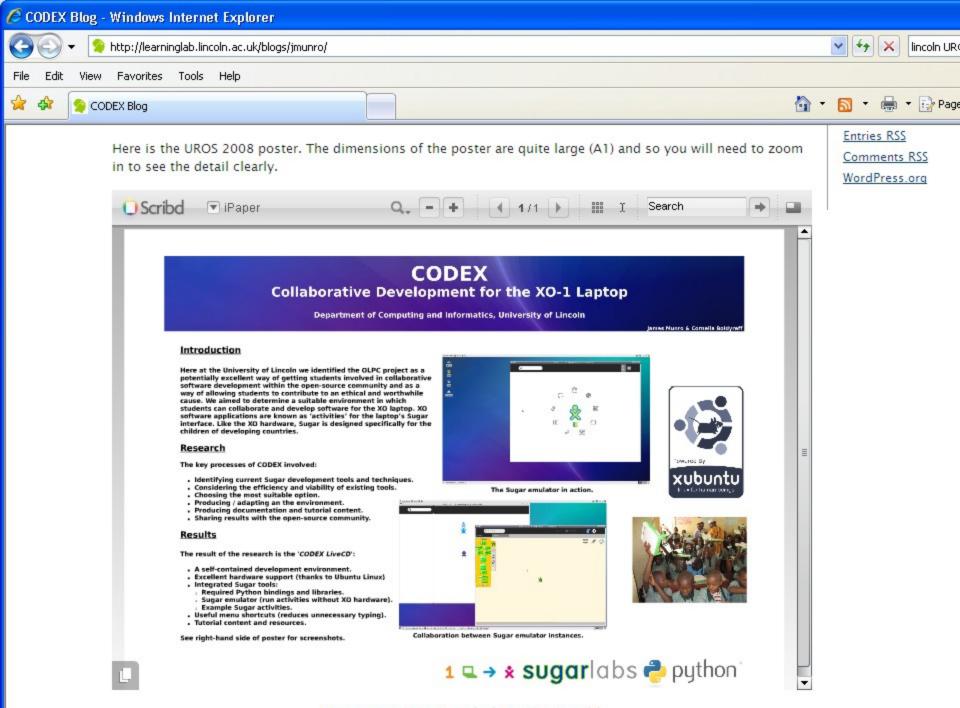
Written by James October 27th, 2008 at 11:41 pm Posted in <u>Uncategorized</u> Tagged with <u>BitTorrent, CODEX, LiveCD, Sampler, VirtualBox, XFCE, Xubuntu</u>

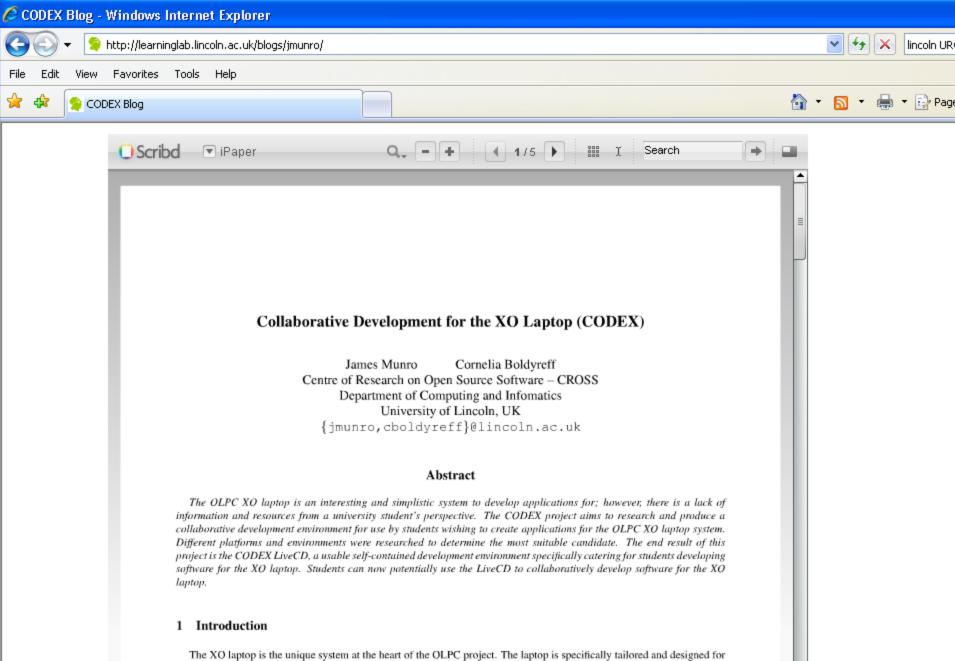
Tags

Activities Aside BitTorrent Browse Code Development EClipse Emulation Fedora Feedback Firefox Hardy Heron Launchpad Lincoln Lincolnshire Lincs LUG LINUX LiveCD Login LUG Mailing-list OLPC OSS Packages Plan Portal PPA Progress Python 2 topics Repository Research Resources Scribd Script Seminar Source Sugar sugar-jhbuild Syntax Ubuntu UROS VirtualBox WebKit XO-1 Xubuntu Search for: Search

Recent Posts

CODEX LiveCD Sampler Available





use by children in developing countries. With its simplified Sugar interface the XO has stepped away from the traditional desktop-computing metaphor that we've grown to rely on.

All of the software associated with the OLPC project is built upon Open Source Software (OSS) and is freely available to anyone in the world. Much of the development effort is undertaken by the open-source community entirely for free; and this





On-going Developments

- Current student projects developing "serious games" for the XO.
- Exploring a new forge with our 2nd year student group projects github which has been described as FaceBook meets SourceForge!
- Further research on OSS communities and their development.

Centre for Research in Open Source Software

Secure Git hosting and collaborative development — GitHub - Windows Internet	et Explorer			
Gerein Status (git http://github.com/)				git-hub
File Edit View Favorites Tools Help				
😪 🏟 🔠 🕶 🖂 Gmail - Search results - corne git Secure Git hosting and co 🗙				🔹 🔂 Page
github SOCIAL CODE HOSTING	Home	Pricing and Signup	Repositories	Blog
Search public git repositories			٩	



LimeChat is a slick IRC client for Mac OS X written with RubyCocoa. It features one window for multiple servers, keyboard shortcuts, speed, stability, and simple CSS the support.

Recently Updated Repositories

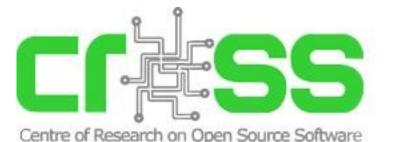
- 📠 elan / plex
- fesplugas / simplified_translation
- 👩 TheLuda / mangos2
- 📄 rlb3 / **splitar**
- marcusramberg / mojomojo

Top 5 Most Watched Projects



The second se

How does it work?



UNIVERSITY OF LINCOLN

Take Home Message

- OSS projects need to plan to build both a user community and a developer community to ensure their long term sustainability.
- OSS projects can learn from web-based communities, especially social networking!
- Encouraging students as researchers and producers rather than consumers has benefits for both the student and the wider academic community as well as society at large.





Further Reading

- Andrea Capiluppi, Martin Michlmayr: From the Cathedral to the Bazaar: An Empirical Study of the Lifecycle of Volunteer Community Projects. OSS 2007: 31-44
- Karl Beecher, Cornelia Boldyreff, Andrea Capiluppi, Stephen Rank: Evolutionary Success of Open Source Software: an Investigation into Exogenous Drivers. ECEASST 8: (2007) - Debian study
- Karl Beecher, Andrea Capiluppi, Cornelia Boldyreff, Identifying exogenous drivers and evolutionary stages in FLOSS projects, Journal of Systems and Software (In press)