

About GSyC/LibreSoft

Presentation of the Systems Course

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we study libre software

GSyC



Universidad
Rey Juan Carlos

GSyC

LibreSoft

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- Young public university
- Four *campi* in Madrid: Vicálvaro, Alcorcón, Móstoles and Fuenlabrada
- Around 2,000 staff (1,200 academics); 27,000 students
- Structured in faculties: ours is the *Escuela Superior de Ingenieros de Telecomunicación*
- Official degrees: now moving to the Bologna system
 - Degree (240 ECTS)
 - Master (60-120 ECTS)
 - PhD
- Own titles

<http://www.urjc.es/>

Madrid On Rails (MoR)

- Main goal: disseminate and promote the use of emerging technologies within small and medium companies in Madrid.
- Specific goals:
 - Become a center of international reference in technology, emerging applications and services based on Free Software.
 - Undertake innovation projects of national and international collaboration with universities, research institutes and companies
 - Provide specialized training to SMEs in the emerging disciplines of free software and web 2.0, both onsite and online.

<http://madridonrails.com/>

The GSyC/LibreSoft group

- Research group in Uni. Rey Juan Carlos (Fuenlabrada, Spain)
- About 25 researchers and support staff (including students)
- Focus on libre (free, open source) technologies, from several points of view
- Backgrounds on software development, data communications, telecommunications, etc.
- Involvement in 6th and 7th FP projects (CALIBRE, FLOSSInclude, FLOSSMETRICS, QUALOSS, QUALIPSO, Alert), national projects (Morfeo, Vulcano), projects funded by companies (Vodafone, Telefonica, Infojobs, Google, Andago) and competitive tenders (European Commission, CENATIC)

<http://libresoft.es/>

Main activity lines (GSyC/LibreSoft)

- Study of libre software development (quantitative, empirical approach)
- Study of Wikipedia and other on-line communities
- Study and assessment of libre software communities (specially those promoted by companies, or composed in part by companies)
- Technologies for software development (specially those designed for practices found in libre software projects)
- Integration of mobile devices with the Internet
- Augmented reality in several fields
- Web 2.0 technologies and the social Internet
- **Server architecture with free software: Virtualization, clustering and cloud computing**

Once upon a time...

- Interest in libre software (since early 1990s)
e.g.: PDSOft Interest Group in Madrid (circa 1992)
- Collaboration in the community (since mid 1990s)
e.g.: Talks a-la-carte, participation in projects,
- Education and training on libre software and libre software technologies (since mid 1990s)
e.g.: Use of NetBSD in courses (circa 1993)
- Research on libre software (since early 2000s)
e.g.: Counting potatoes (circa 2001)

- Libre software has gained a lot of attention from companies, public administrations, users of software in general
- Libre software is a complex (and new) world
- Many experts on libre software are needed
- Systems have always been related to libre software

we study libre software

Towards this course

- GSyC/LibreSoft research group
(since 2003)
- Libre software PhD subject
(since 2003)
- “Introducción al software libre”
(since 2004)
- MoLOS group, design of an European master
(since 2004)
- Master on libre software, thanks to Caixa Nova, Igalia
(since 2007)
- Master edition in Madrid
(since 2008)
- Bologna-master (“máster universitario”) in Madrid
(since 2010)
- Android and Systems course in Madrid
(since 2011)

