

Open Technologies for e-Learning

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Didamatica 2004



Open Source: The idea

- Open Source Software can be obtained and used free of charge
- Improvements, enhancements and support through a community



Open Source: The Idea

Well-defined licence agreement for use and modifications e.g. General Public License (GPL)

- Commercial use is allowed
- Modifications and extensions have to be made available to the community



Typical Features

- Administration of students
- Administration of content
- Support for teachers
- Organisation of communication and supervision



Platform Strategies

- Proprietary (self) development
- Commercial solution
- Open Source solution
- Application Service Provider (ASP)



Proprietary Development

- + Tailor-made solution
- + Business case is exactly reproduced
- + Integration in existing infrastructure "easy"
- + High flexibility
- + No dependencies on providers
- Expensive and elaborate
- Often lack of know how and development personal



Commercial Solution

- + At present relatively cost effective in acquisition
- + Extensive features
- Business case predetermined by software used
- Special features required often missing
- Inflexible in respect to extensions (since source code not available)
- Difficult integration with legacy systems
- Dependency on provider (licence terms, incompatibility...)
- Market risk (many enterprises disappear!)



Open Source Solution

- Most cost solution with regard to acquisition and operation
- + Flexible with regard to modifications (source code available!)
- + No provider dependencies
- + Use of open standards
- Partially "immature" implementation
- Often lack of commercial support



ASP Solution

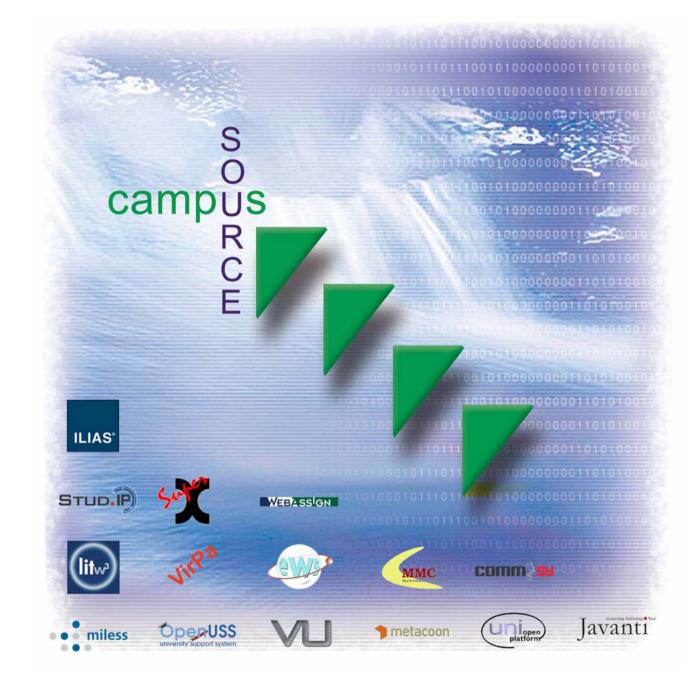
- + Focus on content possible
- + No technical staff and hardware needed
- Cost efficient with regard to "total cost of ownership"
- Strong dependence on provider
- Strong constraints on business case
- Inflexible in regard to features



CampusSource:

- Software pool for e-Learning tools on an open source basis
- GPL Licence
- Community und commercial partners for support
- At present more than 2000 registered users (institutions)
- Financially supported by Ministry of Education NRW

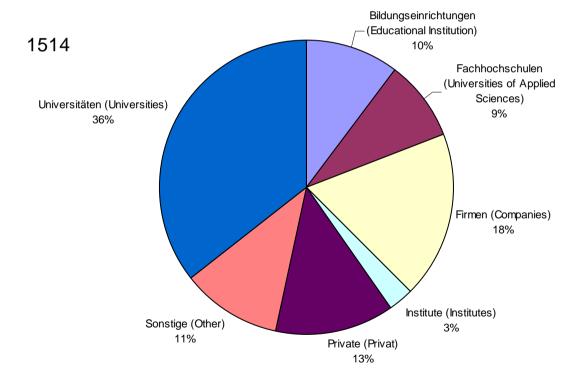






Registered Users Germany (01.05.2004)

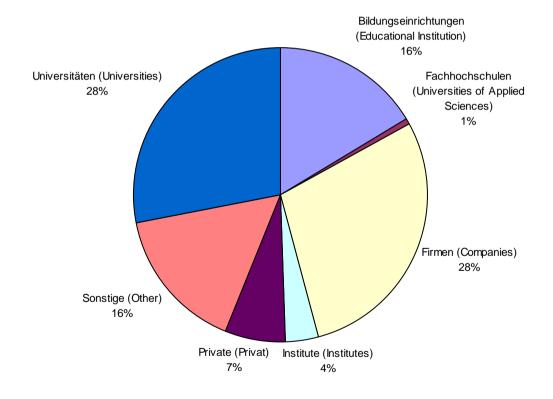
Registered Users: 1514





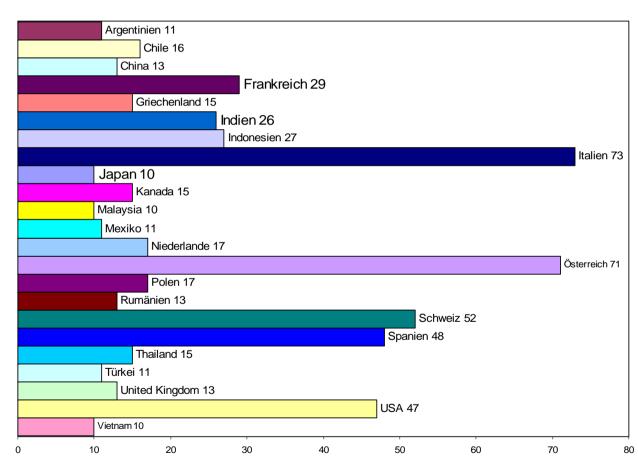
Registered Users Other Countries (01.05.2004)

Registered Users: 861



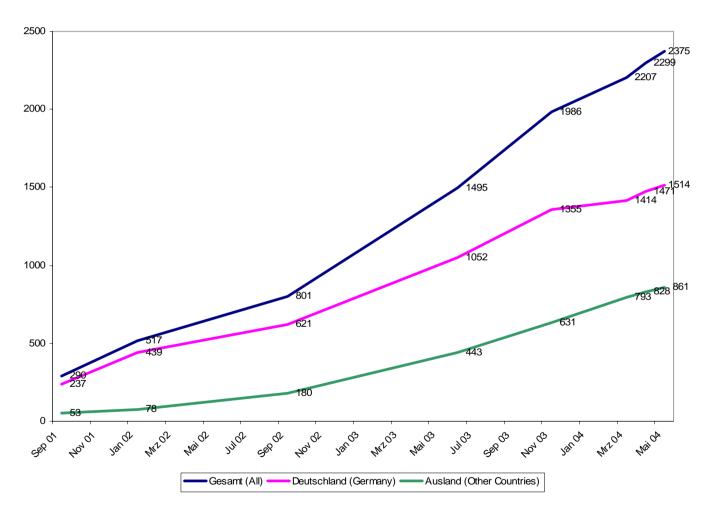


Countries with more than 10 registred Users (01.05.2004)





Registration from September 2001 – May 2004





Platforms



OpenUSS Universität Münster



Uni Open Platform FernUniversität in Hagen



Virtuelle Universität FernUniversität in Hagen



Platforms



EdoWorkSpace Universität Dortmund



ILIAS open source Universität zu Köln



COMMSY Universität Hamburg



Platforms + Modules



Stud.IP

Universität Göttingen



Metacoon

Bauhaus Universität Weimar



MILESS

Universität Duisburg-Essen



Modules



SuperX Universität Duisburg-Essen



Virtuelles Prüfungsamt Fachhochschule Bielefeld



WebAssign FernUniversität in Hagen



Modules



Javanti Fachhochschule Wedel



Multimedia Catalogue FernUniversität in Hagen



Litw3 Universität Münster



Situation OS Today

- Many systems
- Large number of features implemented
- Systems mostly not compatible
- Features not exchangeable
- Many small communities (around particular systems)
- No convergence of systems yet



Vision of future (OS) Systems

- + Modular architecture (components for flexible composition)
- + Formal description of requirements and features (including interdependencies)
- + Formal modelling of workflow and learning scenarios
- + Separation of layout and content (e.g. XML)

Vision is intended as guide for R&D!



OS Future Trends

- Convergence of systems
- Developers efforts mutually for all systems and users
- Work on common architecture and
- implementation of a campus source engine

Work To Do



And What About Contents

≻Extension of CampusSource to

CampusContent!



More Information under

>www.campussource.de/org/

Thank you!