The E-LANE Project: Reinforcing e-Learning in Latin America

Carlos Delgado Kloos
Univ. Carlos III de Madrid
www.it.uc3m.es, www.e-lane.org
cdk@it.uc3m.es, cdk3@mit.edu

The @LIS Programme

- Alliance for the Information Society
- Cooperation programme with Latin America aiming to promote the information society and fight the digital divide throughout LA
- Dialogues, networks and demonstration projects
- 19 demonstration projects in
  - e-Education (6),
  - e-Inclusion (5),
  - e-Governance (4) and
  - e-Health (4)
E-LANE Project Partners

- UC3M, ES (Coord.)
- Telefónica I+D, ES
- U Reading, UK
- Trinity College Dublin, IR
- INT, FR
- ITESM, MX
- U Cauca, CO
- U Chile, CH
- U Galileo, GT
- U Campinas, BR

E-LANE Project Objectives

- Open source platform for e-learning
- Innovative methodology
- Course content production
- Impact measurement and refinement
- Dissemination and sustainability
- Demonstrator
Project Objectives

Tool Development

- Enhancements to .LRN
What is .LRN?

- A suite of open-source tools for course management, online communities, and learning management
- A framework and toolkit (OpenACS) for building collaborative applications
- A world-wide community of users, educators and developers interested in pushing the frontiers of educational technology
- [www.dotlrn.org](http://www.dotlrn.org)

.LRN v2 Feature List

- **Packages**
  - WebLog
  - Presentation (Wimpy Point)
  - PhotoAlbum
  - Logger
  - Tracker
  - Curriculum (Stage I)
  - Events
  - Course Registration Tool
  - Profiles

- **Infrastructure**
  - Workflow
  - Clickthrough
  - Categories Support
  - External Authentication
  - Internationalization
.LRN Usage

- MIT Sloan School of Management
- Heidelberg University
- University of Bergen
- Mannheim University
- University of Sydney
- Valencia University
- WU Vienna
- ...

E-learning Standards Support?

- Not up to now
  - U Sydney: SCORM support (both content aggregation and RTE)
  - More: within E-LANE…
Support for Assessments

- IMS QTI
  - Question and Test Interoperability

Support for Learning Design

- IMS LD
  - Learning Design (under development)
Knoppix Installer

- e-lane.org/pub
- Based on Knoppix v3.4 2004-05-10 EN
  - Linux 2.4.26
  - postgreSQL 7.3.4 (postgreSQL 7.4.7 in version 2005-05-19)
  - AOLserver 4.0.5
  - OpenACS 5.1.1

Course Production Methodology

- docBook
- pdf
- html
- etc.
Several Layout Templates

For declarative knowledge

For procedural knowledge

Course Production Tool

- Need to simplify the production of courses
- Use of XML editor not acceptable
- Word-based tool to generate the docBook source for the production of courses (under development)
Courses

- Courses Digital Literacy
  - ECDL modules

Courses for Life Long Learning
- Agro-industry
- Ethno-education
- Telematics
- Programming

See eg.
Colegio Agropecuario Núcleo de Guambía
http://eva.unicauca.edu.co:8001/noticia2
Target Audience: Colombia

- Communities
  - Rural
  - Indigenous
  - Health workers
- Towns (Cauca)
  - Silvia
  - Jambaló
  - Piendamó

Introduction to online training
3 courses finished, 57 students

Information systems interoperability master program, 7 stud.

Vegetal Health in execution, 28 students

Post-harvest of fruit and orchard products in execution, 16 students

All of them virtual
Target Audience: Colombia

- ICDL courses
- Vegetal Health (b-learning), 60 st.
- Post-harvest of fruit and orchard products (b-learning), 60 students
- Foundation of Ethno-education, 20-30 students
- Foundations on digital systems, 30 students
- Micro-electronic digital systems, 20-30 students
- Foundations on telematics, 30 students
- Telematic systems II, 30 students

Target Audience: Guatemala

- IDEA
- ~ 600 students
- Blended learning
- Courses in
  - Office Automation
  - Finances
  - Mathematics
  - Administration
  - Analysis
Target Audience: Guatemala

- enRED
- 890 students
- Virtual elearning
- Digital literacy

Target Audience: Chile

- Target: More than 300 public libraries
- Pilot project started
- Assisted by library personnel
- Digital literacy
Main Decisions

- Open source tools
- Open content
- Standards compliance
- Course selection
- Partnering with other institutions
- Close to real needs

Hindering Factors

- Strict project execution regulations
- Flow of funding
- Inexperience of some partners
- Dispersion of partners (time zones, year)
- Local administrative problems
- Low connectivity
Successes

- Enterprise-class e-learning tool
- Flexible course design methodology
- Practical deployment guides
- Set of basic courses
- Successful pilot demonstrators

More info

www.e-lane.org
eva.unicauca.edu.co