
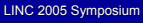

  
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## The E-LANE Project: Reinforcing e-Learning in Latin America


Carlos Delgado Kloos  
Univ. Carlos III de Madrid  
[www.it.uc3m.es](http://www.it.uc3m.es), [www.e-lane.org](http://www.e-lane.org)  
[cdk@it.uc3m.es](mailto:cdk@it.uc3m.es), [cdk3@mit.edu](mailto:cdk3@mit.edu)

 MIT, Oct 2005  LINC 2005 Symposium 

## 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)



  
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## 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



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## E-LANE Project Objectives

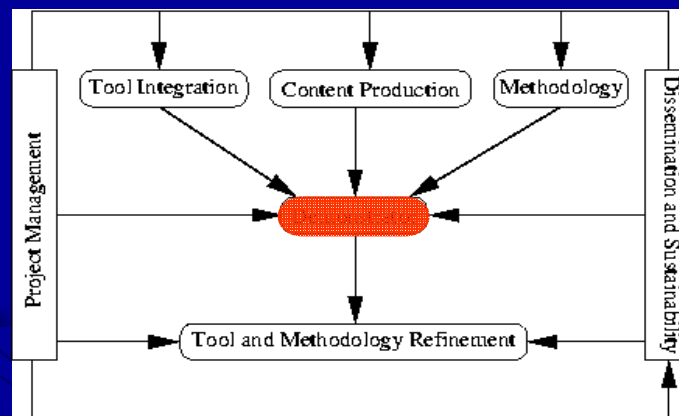
- Open source platform for e-learning
- Innovative methodology
- Course content production
- Impact measurement and refinement
- Dissemination and sustainability
- **Demonstrator**



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# Project Objectives



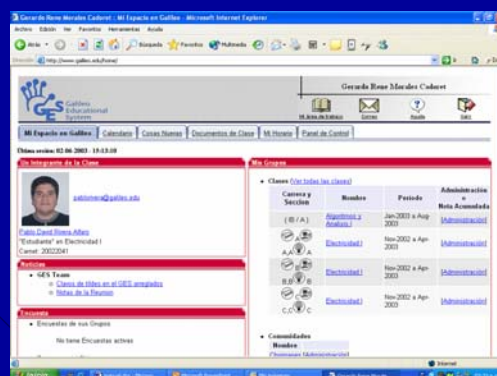
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# Tool Development



- Enhancements to .LRN



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# 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)



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## .LRN v2 Feature List



- |   |   |
|---|---|
| <ul style="list-style-type: none"><li>• Packages<ul style="list-style-type: none"><li>• WebLog</li><li>• Presentation (Wimpy Point)</li><li>• PhotoAlbum</li><li>• Logger</li><li>• Tracker</li><li>• Curriculum (Stage I)</li><li>• Events</li><li>• Course Registration Tool</li><li>• Profiles</li></ul></li></ul> | <ul style="list-style-type: none"><li>• Infrastructure<ul style="list-style-type: none"><li>• Workflow</li><li>• Clickthrough</li><li>• Categories Support</li><li>• External Authentication</li><li>• Internationalization</li></ul></li></ul> |
|---|---|



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## .LRN Usage



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



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## E-learning Standards Support?

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

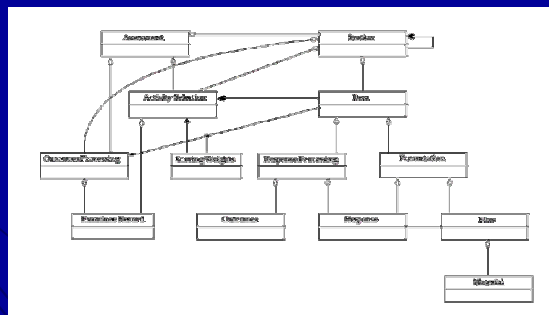


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# Support for Assessments

- IMS QTI
  - Question and Test Interoperability

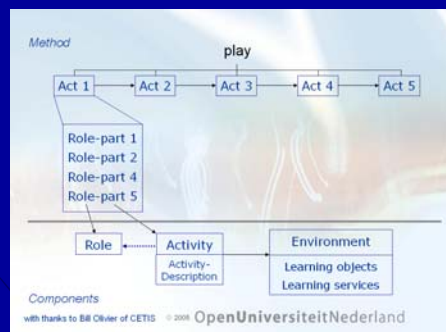


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# Support for Learning Design

- IMS LD
  - Learning Design (*under development*)



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# Knoppix Installer

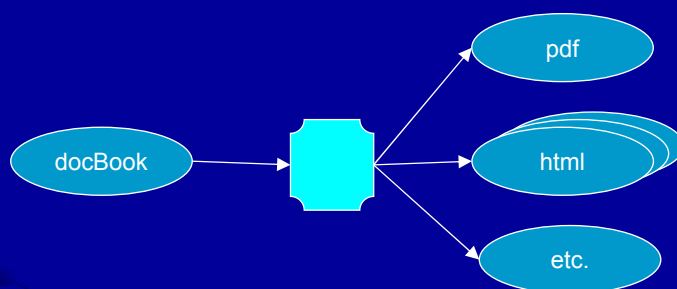
- [e-lane.org/pub](http://e-lane.org/pub)
- Based on Knoppix v3.4 2004-05-10 EN
  - Linux 2.4.26
  - postgresSQL 7.3.4 (postgresSQL 7.4.7 in version 2005-05-19)
  - AOLserver 4.0.5
  - OpenACS 5.1.1



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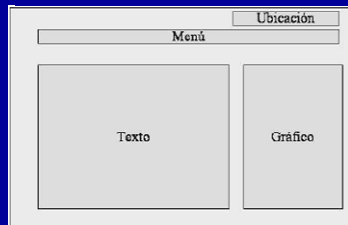
# Course Production Methodology



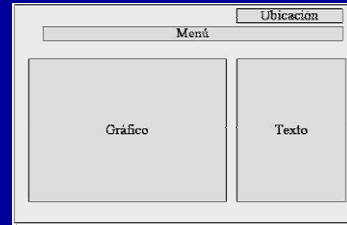
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## Several Layout Templates



For declarative knowledge



For procedural knowledge



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## 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*)



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# Courses

- Courses Digital Literacy
  - ECDL modules



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# Courses

- 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>



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## Target Audience: Colombia

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



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## Target Audience: Colombia

- 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



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## 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

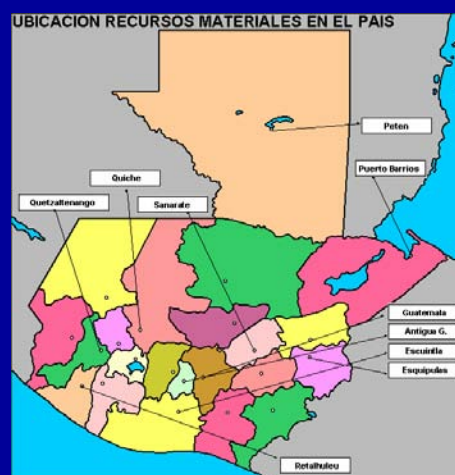


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## Target Audience: Guatemala

- IDEA
- ~ 600 students
- Blended learning
- Courses in
  - Office Automation
  - Finances
  - Mathematics
  - Administration
  - Analysis



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## Target Audience: Guatemala

- enRED
- 890 students
- Virtual elearning
- Digital literacy



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## Target Audience: Chile

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



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## Main Decisions

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



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## Hindering Factors

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



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## Successes

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



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## More info



[www.e-lane.org](http://www.e-lane.org)  
[eva.unicauca.edu.co](http://eva.unicauca.edu.co)



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