Cross Media Learning Management System

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http://www.disit.dsi.unifi.it



The **Cross Media Learning Management System**, XLMS, is a scalable, customizable, modular solution which allows covering a large range of different solutions:

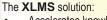
- Best Practice Network, knowledge management and business intelligence, http://iuf.csavri.org;
- Social Media Network, Collaborative work on media, content distribution http://www.eclap.eu;
- Sharing news/blog portal and content distribution network: http://www.apretoscana.org;
 Social Learning Management Systems with a large range of media types and
- client devices (see http://idraulica.axmedis.org, http://mobmed.axmedis.org; Enterprise Social Network, project and knowledge management;
- Community management for association and technological parks;
- WEB, WebTV, IPTV portal with social support;
- Content distribution support for PC and mobile, the "Content Organizer":
 - Available on App Store: iPad, iPhone;

Media

Mobile Medicine 🐨

media

- Available on Windows Market and Mobile 6.5 http://mobmed.axmedis.org;
- Available for Android see ECLAP portal download area.



- Accelerates knowledge creation, capitalization and externalization;
- Establishes and reinforces the community cohesion;
- Stimulates information sharing and ideas among users;
- Improves brand awareness and user fidelity;
 - Supports the users on a large range of devices, browsers and operating systems.

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Administration capabilities: full control, scalable and configurable

- groups, forums, events, taxonomies, blogs, tags, etc.;
- general interface and infrastructure management:
 - graphic layout and capabilities;
 - configurable user interface and activated features;
 - configurable multilingual interface.
 - user management and user's behavior analysis;
- user roles, group coordinator, trusted users, validator, enricher, publisher, etc.;
- content workflow, integration with standard workflow management systems;
- automated content management and processing via AXCP (see IEEE Multimedia);
- monitoring performance: content accesses, users' behavior, query, social networking, groups activities;
- User manual, see for example on: http://www. eclap.eu/eclap-user-manual.pdf.

Content Organizer and Players for iPhone and mobiles

- collect and organize content in the mobile, branding mobile applications;
- cross media distribution for iPad, iPhone, Windows Phone, Android;
- browse and search, off-line access;
- QR activation for museums;
- GPS activation and localization;
- Multilingual user interface and metadata;
 - Local suggestions on the basis of personal profile and behavior.

XLMS is fully scalable and reconfigurable, from single server to cloud. It is provided as appliance or virtual machine on cloud, and can be deployed for small businesses as well as on multitier configurations to manage large volume of accesses and users, including support for Content Delivering Network.

The main features of **XLMS** are

Content Management

- kind of content: image, video, ePub, document, pdf, audio, 3D, animations, etc.
- · content and metadata management, versioning, logging, error recovering
- content preview and metadata editing of each content element
- configurable and extensible multilingual metadata
- multilingual Taxonomical classification, free tags
- single and massive content upload, via multiple FTP, HTTP, files, batch processes, etc.
- automated content ingestion and processing, user generated content
- automated content repurposing, adaptation of more than 400 formats: any video, any audio, any image, documents, slides, ebook, mpeg-21, html, etc.
- IPR Wizard to profile conditional access of content, DRM and CAS support, for user categories
- distribution of content towards any platform, any browser, PC and Mobiles (iPad, iPhone, Android, Windows Phone)
- presentation of metadata: general, classification, technical, semantics classification, extended, IPR, tags, etc.
- support for embedding players for video, audio, images, etc.
- geolocalisation, GPS and QR activation
- keyword cloud, query monitoring and cloud
- support for P2P distribution and HTTP download
- Networking and Business Intelligence
 - Social networking with: groups, channels, blog, newsletters, events, calendar, wiki,...
 - group networking with their: web pages, forums, blog, content, collections, newsletter
 - promotion of content on other social networks
 - comments and rating content: media, web pages, blogs, events, .
 - content and user recommendations and suggestions, and/or advertising
 - personalization of groups ,users services, newsletter subscriptions, etc.
 - project management, tasks, Gantt, milestones, etc.
 - management of events, real time events entertainment

User Management

- user profiling, static and dynamic profiling, personal web pages
- list of friends/colleagues, suggested colleagues
- list of preferred and promoted content
- production of suggestions and recommendations
- production of personal collections: private and public
- import of contacts from other social networks
- access to on line user manual

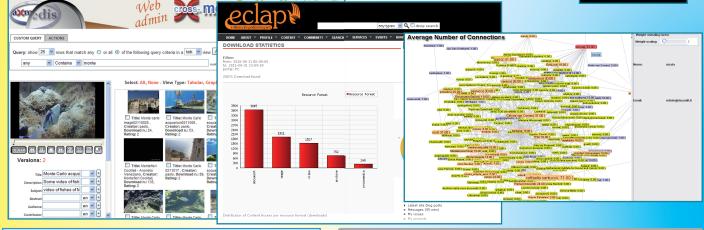
personalization of user interface and features

Information Retrieval and Search

- multilingual and fuzzy indexing and search, for any kind of content and interactive content: audio, video, images, documents (full text), ebook, checklists, procedures, web pages, comments, events, issues, slides, pdf, excel, word, ppt, pptx, tools, etc.
- multi faceted results: metadata and classification, content kind, time of upload, etc.
- natural language processing see OSIM http://openmind.axmedis.org
- advanced and faceted search: and-/or-ed conditions
- browsing content via lists: most relevant, less relevant, featured, most rated, suggested, last uploaded, etc.
- browsing content via taxonomical classification, groups, uploader user, etc.

e-Learning

- courses managed as standard Learning Management Systems
- content aggregations: playlists, collections, comments, annotations and synchronization
- Continuous Medical Education
 - Full support for PC, mobiles and LIM.





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