DelOREs

Delivering Open Educational Resource for Engineering Design

The DelOREs Project has explored the creation of two web-accessible ‘collections’ of university-level Open Educational Resources (OERs) and similarly openly available resources relevant to Engineering Design.

• **Delores Selections** – being Open Educational Resources relating to engineering design relevant to and presented in a way appropriate for students at first-year undergraduate level. Content has been manually selected by experts.

• **Delores Extensions** – being Open Educational Resources and other openly available resources useful to higher-level students studying engineering design and the teachers of such students. Some content will be relevant also to early years learners. Content is automatically identified from dynamic streams.

In neither of these collections are the resources held locally; rather the collections are virtual, being in effect indexes to the resources which are held in a multitude of places on the World Wide Web.

Delores Selections

This static collection of OERs is presented using ***WordPress***. Each WordPress post consists of a formalized description of a single OER held at some location in the World Wide Web.

The description for each resource provides information about such things as resource subject content, resource description, author/publisher and publication date, location linking and licensing constraints.

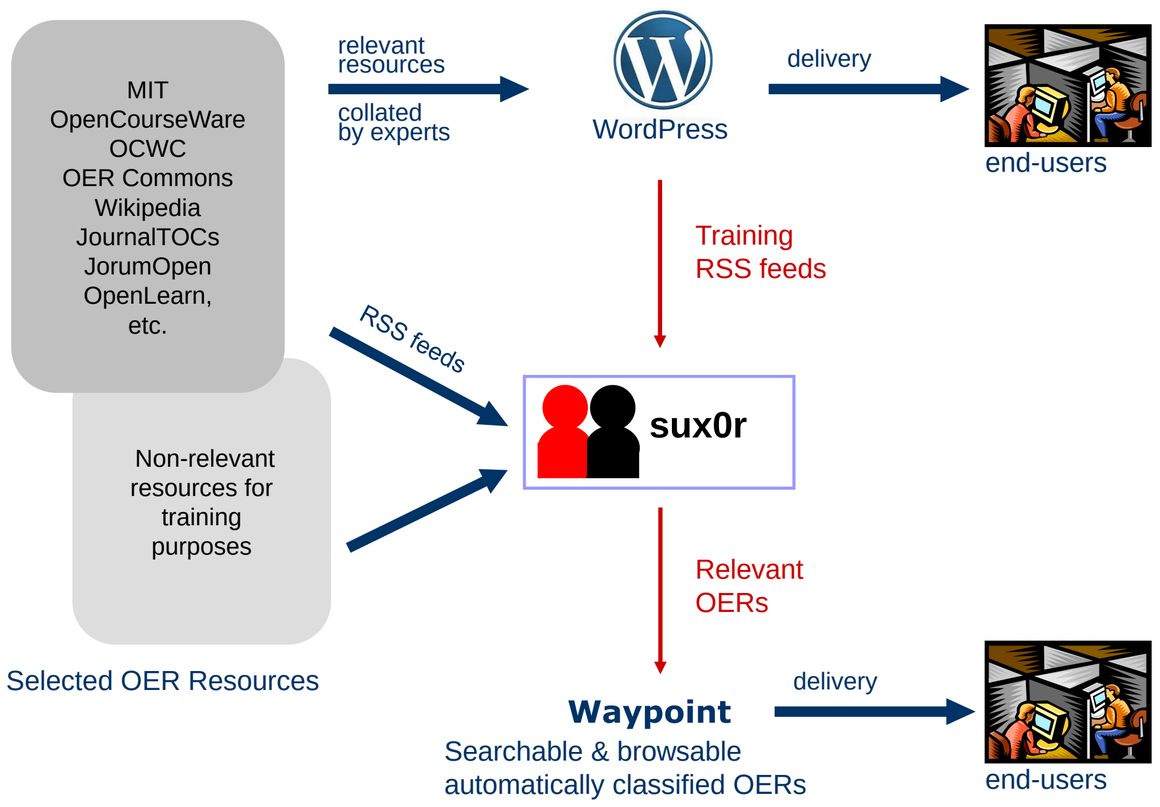
Organization of the blog content is provided by using a subject-specific taxonomy represented as a nested tree, hyperlinked to the resource descriptions. These in turn are linked directly to the resources held at locations on the World Wide Web.

Delores Extensions

Delores Extensions is a dynamic collection of resources, discovery of which takes advantage of the core material identified and selected manually for Delores Selections, augmented and updated by using ‘conventional’ web-based discovery techniques including RSS feeds, crawling, spidering and scraping.

Filtering of potential content is carried out using ***sux0r*** which implements naïve Bayesian classification. Integration of sux0r with the other systems uses the API created by the JISC-funded Bayesian Feed Filter Project.

Waypoint software is used to provide user access, through an adaptive concept-matching algorithm which allows browsing of material that has been classified against a set of facetted classification schemes.



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