Project no. GOCE-CT-2003-505540

Project acronym: Euro-limpacs

Project full name: Integrated Project to evaluate the Impacts of Global Change on European Freshwater Ecosystems

Instrument type: Integrated Project

Priority name: Sustainable Development

Deliverable No. 205
Developing the public part of the Euro-limpacs website (WP10 Task 2)

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Start date of project: 1 February 2002 Duration: 5 Years

Organisation name of lead contractor for this deliverable: UCL

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**Introduction**

During the reporting period February 2006-January 2007 significant progress has been made in developing a user-friendly project website for public access. This public part of the website has a link to the project intranet which is accessible only to registered Eurolimpacs participants.

The new internet site has been developed using the Joomla! Content Management System (CMS) to present different aspects of the project in an easily navigable menu system.

This Deliverable describes how the Joomla! CMS allows the large amount of project information and output to be categorised in a manageable way, and how the front end of the website appears to public users.

The URL for the new website is [http://www.eurolimpaς.ucl.ac.uk/cms/](http://www.eurolimpaς.ucl.ac.uk/cms/)

**Content Management System (CMS)**

Joomla! is an open source Content Management System that is easy to use (e.g. adding or edit content or updating images) and reliable. The software is freely available under the GNU General Public License. Information is organised at different levels (Sections, Categories, Content) as shown in Figure 1 below.

![Structure of the Content Management System](image)

*Figure 1: Structure of the Content Management System*

The project is divided into 5 sections (About, Themes, Results, News, Links). To show how the CMS operates, Figure 2 shows the type of information that is entered into the ‘About’ section.
Figure 2: Examples of Euro-limpacs Content within the CMS structure

Text and illustrations are added and edited by opening up a Content page. Figure 3 gives an example of text and a picture entered into the Work Package 4 Content page.

Figure 3 An example of a Content page

Once information has been entered into the CMS a front-end webpage is produced that can be accessed by general users.
The Euro-impacs website – the front end

Figure 4 shows the homepage of the new public access website. The Section categories are shown across the dark bar. By clicking on one of these, the user is taken to the next level (a choice of Category, Figure 5), and then to the Content pages (Figure 6).

Figure 4 Euro-impacs home page

Figure 5 Categories in the ‘About’ Section
**Work Package 4**

**Climate - acidification interactions**

The priority for Work Package 4 is to understand the chemical responses of acid waters to climate change and to predict probable biological and ecological responses. Interactions between climate change and surface water acidification occur on all time-scales, from acid episodes caused by individual storms to long-term changes due to warming and precipitation. Ecological impacts of acidification occur largely in response to changes in water chemistry.

Despite major reductions in the emission of acidifying compounds, surface water acidification remains a serious threat to Europe's surface waters. Recovery is slow and recovery processes are increasingly being influenced by changing climatic patterns.

Work Package 4 (WP4) investigates how acidification recovery is dependent on the impact of climate change on catchment hydrology and hydrochemistry. It is divided into four tasks:

1. Effects of episodic and seasonal variations in climatic factors on runoff water chemistry.
2. Analysis of long-term data time-series to examine episodic, seasonal and long term

**Figure 6**  
A work package Content page

The website will be maintained and updated throughout the remainder of the Eurolimpacs project.