



EELA

KNOWLEDGE DISSEMINATION COURSE MATERIAL (2^ND VERSION)

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Abstract:

The purpose of this document is to revise the knowledge dissemination plan (D4.2.2.1) released at M05.

It describes the strategy adopted by Task 4.2 (Knowledge Dissemination) to adequate the knowledge dissemination course material to the current status of the project.

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1. INTRODUCTION

1.1. PURPOSE OF THE DOCUMENT

The purpose of this document is to report on the progress to date of the EELA knowledge dissemination course material. It also describes updates of the original software package adopted by the project, i.e. CDS Invenio, developed at CERN.

1.2. APPLICATION AREA

All EELA members, especially those in charge of supporting WP4 activities, will benefit from the content of this progress report.

1.3. REFERENCES

- | | |
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| [R1] http://documents.eu-eela.org/getfile.py?recid=298 | D4.2.2.1 Knowledge dissemination course material (1st version) |
| [R2] http://documents.eu-eela.org/ | EELA Document Repository |
| [R3] http://cdsware.cern.ch/invenio/index.html | CDS INVENIO |
| [R4] http://www.openarchives.org/ | Open Archives Initiative |
| [R5] http://www.carl.org/tlc/crs/bib0001.htm | MARC 21 Format for Bibliographic Data |

1.4. DOCUMENT AMENDMENT PROCEDURE

Amendments to this document must be requested to the WP4 Managers and copied to the Project Office po@eu-eela.org.

1.5. TERMINOLOGY

Glossary

M05	Month 5 of the EELA Project execution (May 2006)
WP	Work Package
WP4.2	EELA Task 4.2 Knowledge dissemination



2. EXECUTIVE SUMMARY

The original knowledge dissemination course material was released at M05 of the project and its goal was to provide a centralized repository of all the documentation used during the training events organized.

One year and several events later, the number of documents available has grown up to almost 400 elements, ranging from official deliverables to training and dissemination material.

The repository is based on a software platform developed by CERN, called CDS Invenio (formerly known as CDSware), which allows for easy browsing and searching. At the time of writing, Invenio has been updated to the latest available version, 0.92.1, which introduced many new features and bug fixes.

In order to cope with the increased number of documents, the hierarchical structure of the repository was modified, and it is now organized in 9 main categories (Reports, Minutes, Templates, Dissemination material, Training material, Presentations, Multimedia, Deliverables, Papers).

This report presents the current status of knowledge dissemination course material by the end of M17, as well as the improvements implemented in the digital library software.

3. CURRENT STATUS

3.1. OVERVIEW

The EELA Document Repository [2] is a digital library server, freely available to everyone, used to organize and distribute all material produced by EELA and adopted during the various training and dissemination events held during the first 17 months of the project.

Figure 1 shows the updated main page of the EELA Document Repository.

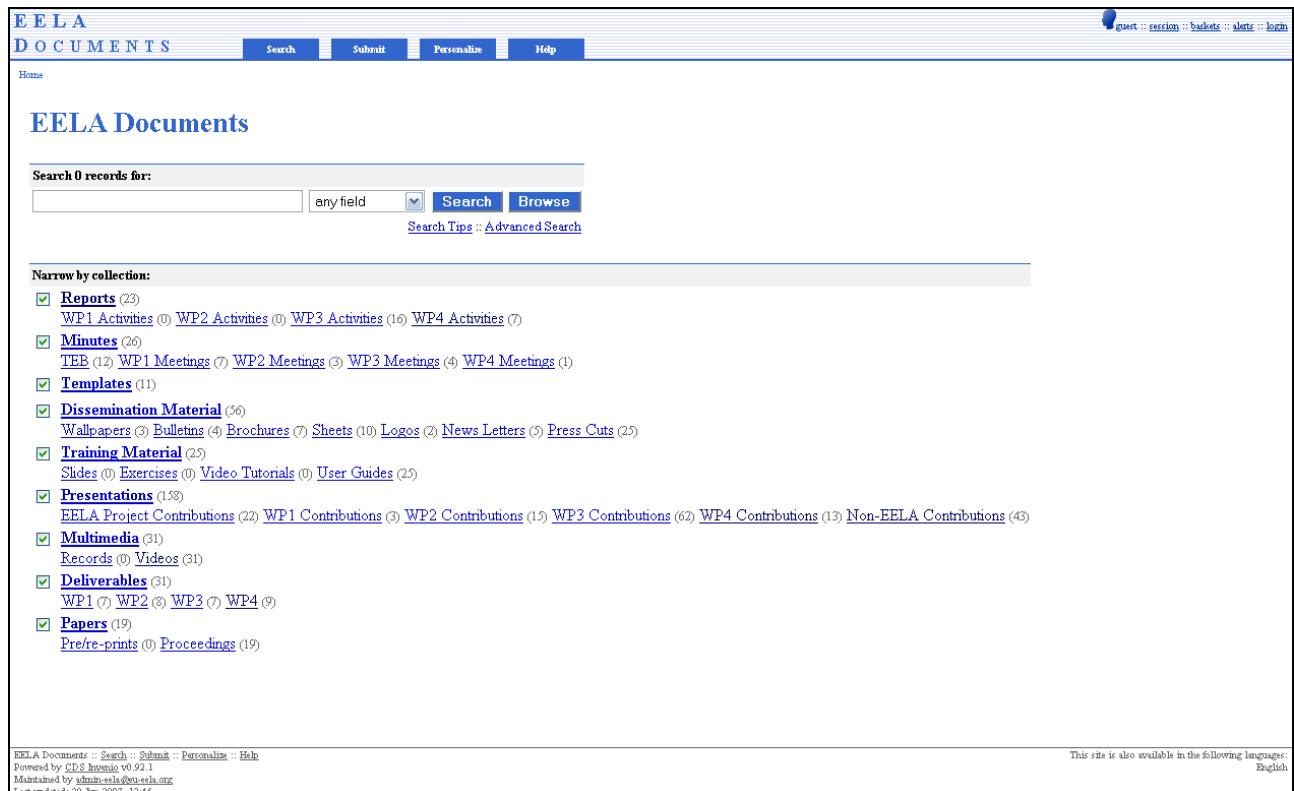


Figure 1. The EELA Document Repository Main Page.

3.2. MATERIAL DESCRIPTION

The first Knowledge Dissemination Course Material [1], released on M05, contained 60 documents, divided into 6 main sections:

- Dissemination material (information sheets, newsletters and press cuts)
- Training material (slides, exercises, video tutorials and user guides)
- Presentations
- Multimedia
- Deliverables
- Papers

After 12 months, the number of documents has grown more than six times, and it is now close to 400. This required a new organisation of the repository, which implied the creation of 3 new main sections:

- Reports
- Minutes
- Templates

Some elements of this hierarchical structure deserve to be highlighted.

Inside the Presentations branch there is a section for Non-EELA Contributions that contains more than 40 documents at the time of writing. This can be seen as a clear proof of the tight collaboration between EELA and other projects (e.g. EUMedGrid, EUChinaGRID, SEEGRID, BELIEF, etc.) or business industries (e.g. Microsoft, HP, Micron, etc.).

Another important addition to the repository is the Video section, which contains more than 30 videos, including the entire footage of the First EELA Conference, held in Santiago of Chile in September 2006.

Moreover, the dissemination activities of the project have been taken into account, and the EELA Document Server also stores bulletins, brochures, newsletters, press cuts, logos, wallpapers and all other material useful to divulge the project's activities.

3.3. CDS INVENIO

The EELA Document Repository is based on CDS Invenio [3], an integrated digital library system developed at CERN and formerly known as CDSware. This software is freely available on the website and released under the GNU General Public License (GPL); it is also compliant with the Open Archives Initiative [4] metadata harvesting protocol (OAI-PMH) and it is based on the MARC21 bibliographic standard [5].

The main features of CDS Invenio are:

- Hierarchical organisation of the documents through a navigable collection tree;
- Customizable search engine which allows combined metadata, full text and citation searches;
- Flexible metadata system based on the standard MARC format;
- Multiple output formats including HTML and XML.

As stated in Deliverable D4.2.2.1 [1], the first release of the EELA Knowledge Dissemination Course Material was based on CDSware 0.7.1. The latest stable version of the software (0.92.1) has been recently installed on the EELA Document Server.

This update not only implied many security fixes, but also brought interesting new features, such as:

- Support for secure HTTPS authentication and/or external authentication systems;
- Inclusion of new languages and several revisions of the existing ones;
- Full support for MacOS X and FreeBSD;
- New output formats, including BibTeX, XML, EndNote and NLM;
- Full compatibility with MySQL 4.1 and 5.0.



4. CONCLUSIONS

Two of the main objectives of the knowledge dissemination activities of a research project are the divulgation and the long-term preservation of all the material produced during the project life. Thanks to the diffusion of the World Wide Web and broadband Internet connections, the traditional paper libraries are being transformed into digital ones, which allow the users to store huge amount of documents and perform complex queries in a simple way and with fast responses.

Since the beginning of the EELA Project, WP4 (with the help of WP1) has been responsible for the creation and maintenance of a digital document repository, which was first based on CDSware 0.7.1 and now on CDS Invenio 0.92.1.

While the end of the second year of the project is approaching, the EELA Document Repository actually contains approximately 400 different entries, which are freely accessible to both EELA and non-EELA members and constitute a solid knowledge base for any grid computing project. With 6 months left till the end of the project, it is foreseen that the number of documents stored on the EELA server will continue growing with the current good trend.

In the second revision of the Knowledge Dissemination Course Material, described in this deliverable, the digital library software has been updated to the latest release and the hierarchical organisation of the documents inside the system has been changed, adding new collections in order to ease the subsequent searches and manage new kinds of document, such as videos or graphic elements.