ILC EDMS project suite Status

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GDE/Fermilab

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Document management system

From Wikipedia, the free encyclopedia

A **document management system** (DMS) is a computer system (or set of computer programs) used to track and store electronic documents and/or images of paper documents.

Document management systems commonly provide storage, versioning, metadata, security, as well as indexing and retrieval capabilities.

EDMS committee

Charge to the Committee

The committee should recommend a specific web based software solution, which may mean an integrated collection of distinct software packages that will allow ILC collaborators worldwide to store, search for and retrieve various kinds of documents.

At least three basic kinds of documents must be handled:

1. meeting/conference/seminar related files
2. publications/white papers/notes and
3. engineering documents:
   – CAD drawings, cost estimates, vendor quotes, and QC documents.

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Tom Markiewicz,
Vancouver - July 2006

Status of ILC EDMS

Recommendation of a product suite made:
   – InDiCo – meeting management
   – CERN Document Server – general documentation
   – UGS TeamCenter – CAD and ILC "Lifecycle Management"
      (jargon for: part design, versions, manufactured instances, QC, installation, operation, maintenance & decommissioning)

ILC Specific servers have been commissioned
   – InDiCo: http://ilcagenda.cern.ch/
   – CDS: http://ilcdoc.cern.ch/
   – Collaborative CAD among DESY/FNAL/INFN using DESY-hosted UGS TeamCenter in progress

Planning for ILC-devoted configuration and technical support of these products with management of the big laboratories in progress

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EDMS committee members:

John Ferguson (CERN),
Lars Hagge (DESY),
Tom Markiewicz (SLAC) – Chair,
Richard Stanek (FNAL),
Nobu Toge (KEK),
Harry Weerts (Argonne)

EDMS committee recommendation

"Web based software solution integrating a collection of distinct software systems, supporting the core functions of storage, search, retrieval of documents."

- Meeting/conference/seminar

 ILCAgenda – based on CDS InDiCo

- Publications/white papers/notes

 ILCDoc – based on CDS Invenio

- Engineering documents

 ILC EDMS – based on UGS Teamcenter

EDMS committee members:
John Ferguson (CERN), Lars Hagge (DESY), Tom Markiewicz (SLAC) – Chair, Richard Stanek (FNAL), Nobu Toge (KEK), Harry Weerts (Argonne)

First Release of ILC EDMS - DESY hosted

Lars Hagge (DESY) , November 2006

- Schedule
  - **Move to new platform at DESY in November**
  - **Setup ILC test environment in December**
  - **Release scheduled for mid-January**
- Initial release targets two activities
  - **Support procedure for BC changes as implemented by GDE CCB**
  - **Support collaborative 3D CAD design of Type IV cryomodule**
    - already ongoing within DESY EDMS
  - **Will provide read access beyond these groups**

ILC EDMS project suite status InDiCo and Invenio

☑ ILC servers up and running – CERN hosted
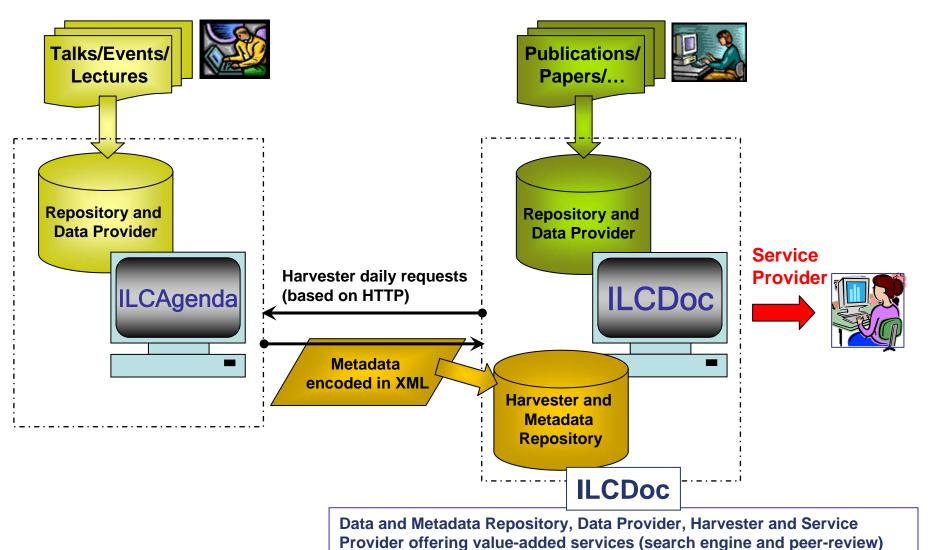
- **ILCAgenda:** **ilcagenda.cern.ch**

- **ILCDoc:** **ilcdoc.cern.ch**

These URLs will change from cern.ch to linearcollider.org soon.
Stay tuned for alerts (NewsLine and linearcollider.org homepage).

☑ Schedule and organize conferences/meetings

☑ Store talks/presentations

☑ Search and retrieve talks/presentations/events
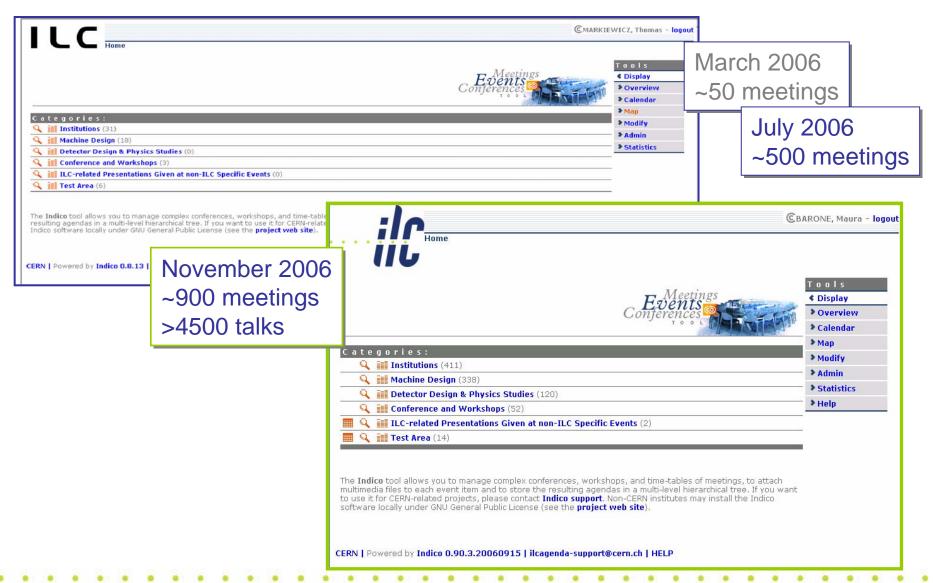
☐ Submit and store documents/papers

Talks/Events/ Lectures

Repository and Data Provider

ILCAgenda

Publications/ Papers/…

Repository and Data Provider

ILCDoc

Service Provider

Harvester daily requests (based on HTTP)

Metadata encoded in XML

Harvester and Metadata Repository

ILCDoc

Data and Metadata Repository, Data Provider, Harvester and Service Provider offering value-added services (search engine and peer-review)

ilcagenda.linearcollider.org

March 2006
~50 meetings

July 2006
~500 meetings

November 2006
~900 meetings
>4500 talks

ILCAgenda status

- Category tree
  - **Organic and continual growth**
  - **Managers appointed for each category**

- ILC specific requests will be implemented by a Fermilab InDiCo development team (Jim Fromm - FNAL)

- There is a growing list of suggestions for improvements submitted by ILC users, with assigned priorities. The team is now addressing the top ones, including
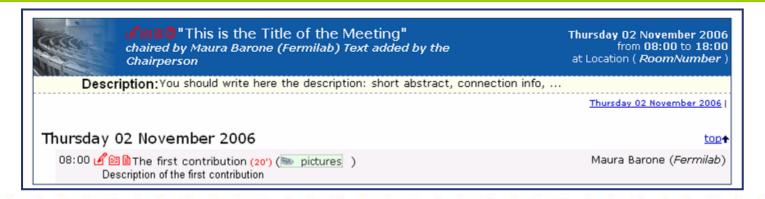 - **Time Zone awareness**
  - **User login authentication**

- Support: Currently indico-support@cern.ch

ILCAgenda: Meeting and Talks

What you **store** is what you (and people) get

ILCDoc features

- Powered by CDS Invenio (web-based integrated digital library system)
  - Free software, licensed under the GNU GPL
  - It complies with the Open Archive Initiative metadata harvesting protocol (OAI-PMH)
  - It uses standard MARC 21 as the bibliographic data format
  - It runs on GNU/Unix systems on top of MySQL database server and Apache/Python web application server
- Documents organized in navigable "collections" trees
- Search engine
- User personalization
- Multilanguage support

ILCDoc status

- **What is available now**
  - **Daily harvesting from ILCAgenda**
  - **Search engine allowing to search on all Events and on all Talks submitted at those meetings**
    - Currently: ~900 Events, ~4500 Talks
    - Search by Title, Speaker, Date, Location, fulltext

  > Thanks to Jean-Yves Le Meur (CERN) and the InDiCo and Invenio teams for the technical support, useful suggestions and active participation in our discussions

- **Filing**
  - **We are now in the process of setting up categories and document types**
  - **As soon as defined, we will enable submission of documents**

ILCDoc available collections

- Publications & Notes
  - **Articles & Preprints**
  - **Books & Reports**

- Engineering & Drawing

- Conferences & Meetings
  - **Talk & Contributions**
  - **Events**

- Multimedia
  - **Pictures**
  - **Video**
  - **Brochures**
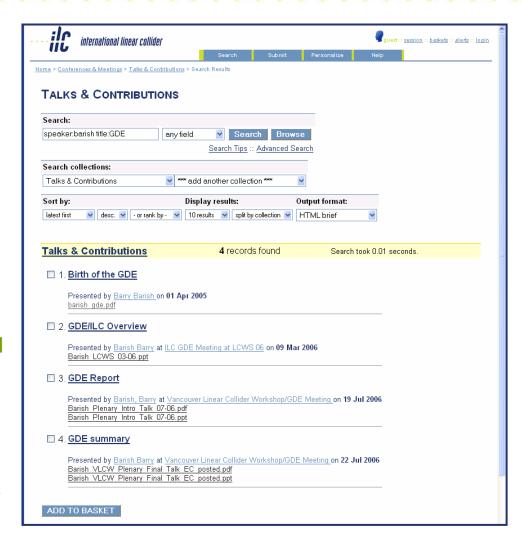 - **Posters**

harvested from ILCAgenda

ILCDoc Search Engine

- Powerful search engine

  - **simple and advanced search interface**
    - boolean queries, regular expressions, structured metadata

  - **currently allowing to search on all Events and Talks**
    - search by Title, Speaker, Date, Location, fulltext
    - sort by date, title, …

  - **will allow users to search across different collections and types of data**

  - **search open to guest users**

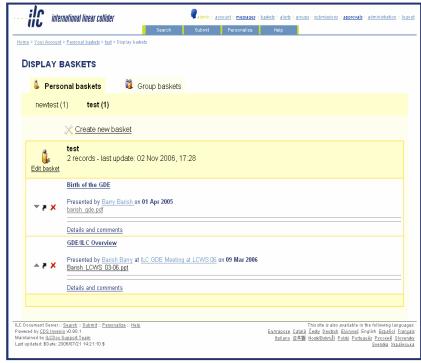 - **search interface has been translated to several languages**

User Personalization and Groups

- User as a member and/or administrator of groups

- Configurable access restrictions

- Users can define their personal collections of documents (baskets)
  - **Basket sharing within user groups**
  - **User comments for documents**

ILCDoc

- We encourage you to start using the search engine and let us have feedback

- Should you have any problem:

ilcdoc-support@linearcollider.org