Invenio
Integrated digital library and repository system

Invenio, the integrated digital library and repository system, is a suite of applications which provides the framework and tools for building and managing an autonomous digital library server. The software is readily available to anyone, as it is free software, licensed under the GNU General Public Licence (GPL). The technology offered by the software covers all aspects of digital library management. It complies with the Open Archives Initiative metadata harvesting protocol (OAI-PMH) and uses MARC 21 as its underlying bibliographic standard. Its flexibility and performance make it a comprehensive solution for the management of document repositories of moderate to large size. At CERN, Invenio is used for running the CERN Document Server (1 million records), INSPIRE (1 million records), ILC Document Server and the CERN Bulletin web site. In addition it is used for powering the CERN Indico search engine and the CERN Multimedia Gallery web site.

http://invenio-software.org

Area of expertise
Information Technology

Applications
- Digital library server
- Institutional document repository
- Multimedia document archive
- Administrative document management

Innovative features
- Multiple parallel level of collections & sub-collections
- Google-like search with additional options of combined meta data, citation and full text search

Advantages
- Navigable collection tree
- Documents organized in collections
- Regular and virtual collection trees

Contact person
Nicholas.Ziogas@cern.ch
cern.ch/knowledgetransfer

Knowledge Transfer Accelerating Innovation
Powerful search engine
- Specially designed indexes to provide Google-like search speeds for repositories of up to 10,000,000 records
- Customizable simple and advanced search interfaces
- Combined metadata, fulltext and citation search in one go

Flexible metadata
- Standard metadata format (MARC)
- Handling articles, books, theses, photos, videos, museum objects and more
- Customizable batch imports and web submission lines
- Customizable output display and linking rules

Limitations
- Dependent on the level of customization, configuration may at first be difficult to novice administrators
- Web application server must run on Unix-like operating system.
- Best suited for large document repositories (e.g. > 10,000 records)

Intellectual Property status
Latest release: Invenio v1.0.0, released 2012-02-2