

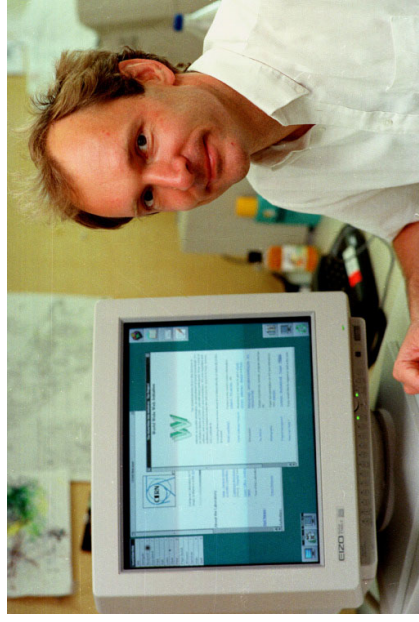
CERN Convention, ARTICLE II, paragraph 1:



“The results of CERN experimental and theoretical work shall be published or otherwise made generally available.”

(1st July, 1953)

Results made available throughout the years...



CDSware

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Only the means have changed



Digital Library Software

Conference/Meeting
Management Software

2004: CERN Document Server Software !

Digital Library Application

demo: <http://cdsweb.cern.ch>

- It enables an organization to run an electronic preprint server, online library catalogue or document system on the web.
- Use of commercial software package (Aleph500) for most internal library-related activities
- Use of CDSware for all user-related activities
 - Document Submission -> 400 collections with ~ 50 different rules
 - Document Harvesting -> from more than 80 different sources
 - Document Search, Baskets, Alerts, etc. -> instantaneous response time for up to 1 million records
- CERN Specifics:
 - Open Access: it complies with the [Open Archives Initiative](#) metadata harvesting protocol (OAI-PMH)
 - Non-traditional bibliographic records: e.g. documents with thousands of authors from large collaborations
 - Complex Search combination required: e.g. combined metadata/full text/reference search
 - “Electronic Long Term Archive” requirements
- The CDSware is free software, licensed under [GNU General Public Licence \(GPL\)](#).

Digital Conferencing Applications

- CDS Agenda: you already know it ! demo: <http://agenda.cern.ch/age?a042909>
 - Keeps track of all (most of) meetings at CERN
 - Agenda with sessions, talks and all associated material
 - Launched in 1999 by LHC Experiments
 - More than 10 000 agendas and 70 000 documents at CERN
 - Distributed as GNU GPL

- Integrated Digital Conferencing: the next step
 - INDICO financed by EU:
“European Solution for managing and saving Conference Content in long term”
 - Main Innovations: Multiple Conferences management; Conference Archiving solution; Multimedia preservation
 - Only in HEP and HEP-related topics: about 100 conferences per month !
 - Considerable cost savings expected



Demo: <http://cern.ch/indico>

CDSware

Some CDSware references

- CDSware used or being considered by:
 - San Diego Supercomputer Center, USA
 - University of Missouri-Columbia, USA
 - Fundao Osqaldo Cruz (Ministry of Health) Rio de Janeiro, Brasilia
 - ISDN-ENSSIB, France
 - Montreal International, Canada
 - Bologna University, Italy
 - ETH Zurich, Switzerland
 - EPFL Lausanne, Switzerland
 - UN Population Fund, New York, USA
 - Instituto de investigacions Electrica, Mexico
 - Casalini Libri, Italy
 - HBZ-NRW, Germany
 - Aristotie University of Thessaloniki, Greece
 - RERO: Consortium of all public libraries of Suisse Romande (100), Switzerland
 - University of Geneva, Switzerland
 - IN2P3, France
 - NiKHEF, Holland
 - Fermilab, USA
 - ICTP, Italy
 - Etc

- Both software downloaded more than 600 times in 2004 ...
<http://cdsware.cern.ch>

Summary

“What the Internet needs is
an old fashioned librarian”
(HP)

- CDSware Digital Library:
 - Best of traditional Library Systems and Internet Search Engines
 - Driven by the Open Access Movement:
[Berlin Declaration on Open Access](#) to Knowledge in the Sciences and Humanities, signed by R. Aymar last May
 - OA very active in UK: eprints.org ; FAIR programme of JISC: Focus on Access to Institutional Resources
- CDSware Digital Conferencing:
 - Filling the gap!
 - Reverse the process: instead of the “post-process” of tracking contributions by CERN authors to conferences, they are automatically acquired through the conference management software!
- With our specific user community and the ambitious LHC Project, the electronic document management must provide fast, efficient and long term services.
- Our software is already used in several organizations and continues to be adopted by others.