CYCLADES IST-2000-25456
An Open Collaborative Virtual Archive Environment

Final Co-ordination Report

D8.1.2

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Abstract: This report is about the co-ordination activity among the CYCLADES project and the Open Archive Initiative.

1   Introduction

The objective of Work Package 8 consist in continuously monitor the progress achieved by the two co-operating projects, i.e. CYCLADES and Open Archive Initiative (OAI)[1]. This monitoring should guarantee that the interoperability agreements defined by the OAI and their evolution is correctly understood and used by the service environment to be developed by CYCLADES. It has also, to guarantee that the impact on the service level of new communication protocols and standards (metadata evolution) or changes to interoperability agreements and technical recommendations introduced at the archive level (and vice versa) is thoroughly evaluated and feedback is sent to the originators of the changes.

2   Monitoring and Interoperability Verification

A continuos monitoring activity of the OAI, by means of meetings with OAI related people, conferences, workshops, reading related papers, and regularly visiting the OAI Web-portal, has been undertaken in order to guarantee that the assumptions under which the CYCLADES services work still hold. The old harvesting protocol version 1.0, later on the protocol version 1.1 and the current protocol 2.0 have been read and consistency of CYCLADES w.r.t. these protocols has been checked out and the harvesting software in the Access Service of CYCLADES has been updated, so that interoperability is still guaranteed.

Concerning compatibility, please note that while the CYCLADES system uses the protocol specified by the OAI to harvest metadata from any number of archives that support the OAI standard, the harvesting will be done by one of several interoperable services, CYCLADES is not restricted to using open archives, as additional services can be added later, supporting other kinds of electronic archives[2].

Subscription to the OAI mailing lists has been performed. The CYCLADES system appear also in the list of selected web sites for the OAI community in the OAI Web-portal.

Furthermore, the list of registered repositories as well as the register OAI services is continuously monitored to verify the dynamics of of growth of both data providers as well as of service providers.

To date, July 9, 2003, the list of data providers contains 102 such repositories, while the list of service providers contains 14 (CYCLADES inclusive) such services. Concerning the services, worth mentioning is that all except two (TORII, myOAI), provide just a search functionality over a certain set of OAI compliant repositories. The other two provide also some filtering and advanced searching. *No service addresses the issue of collaborative work, and related issues like recommendation that addresses CYCLADES.*

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[1]www.openarchives.org
[2]See deliverable D2.1.1 (Global System Architecture Report).

OAI Repository Identifier	Repository Name
archiveSIC.ccsd.cnrs.fr	@rchiveSIC : Sciences de l'Information et de la Communication
celebration	A Celebration of Women Writers
DiVA.se	Academic Archive On-line
	AIM25 - Archives in London
asdlib.org	Analytical Sciences Digital Library
archi2.OAI	archi2
ArchiveEnslsh.OAI2	Archive ENS-LSH
ArchiveLyon2.OAI2	Archive Lyon 2
PITTAEI.OAI2	ARCHIVE OF EUROPEAN INTEGRATION
ArchivesEIAH.OAI2	ArchivesEIAH
jeanNicod.ccsd.cnrs.fr	Articles en ligne Jean Nicod
arXiv.org	arXiv
	Auburn University - Transforming America
bsz-bw.de	Bibliotheksservice-Zentrum Baden-Wrttemberg, Germany, Virtueller Medienserver
biomedcentral.com	BioMed Central
CaltechBOOK	Books by Caltech Authors
cdlib1.org	California Digital Library Repository 1
CaltechOH	Caltech Archives Oral Histories Online
CaltechCSTR	Caltech Computer Science Technical Reports
CaltechCDSTR	Caltech Control and Dynamical Systems Technical Reports
CaltechEERL	Caltech Earthquake Engineering Research Laboratory Technical Reports
CaltechLIB	Caltech Library System Papers and Publications
CaltechPARADISE	Caltech Parallel and Distributed Systems Group
	Carnegie Mellon University Informedia Public Domain Video Archive
CAV2001	CAV2001: Fourth International Symposium on Cavitation
tel.ccsd.cnrs.fr	CCSD thses-EN-ligne
fred.ccsu.edu.OAI2	CCSU Digital Archive
cds.cern.ch	CERN Document Server (Beta)
CPS	Chemistry Preprint Server
citebase.eprints.org	citebase.eprints.org
cogprints.soton.ac.uk	Cogprints
CompSciPreprints	Computer Science Preprint Server
conoze.com	conoZe.com
dlese.org	Digital Library for Earth System Education (DLESE)
edoc.ub.uni-muenchen.de	Digitale Hochschulschriften der LMU

OAI Repository Identifier	Repository Name
	dispute
	DSpace at MIT
	DSpace at My CWRU
v DuetT : Duisburger Elektronische Texte	
eprints.rclis.org	E-LIS
enc.org	Eisenhower National Clearinghouse
	Eldorado - Document Server of the University Dortmund
eprints.ime.usp.br	EPrints Server of the Institute of Mathematics and Statistics of the Ur
epub.wu-wien.ac.at	ePub-WU OAI Archive (Vienna Univ. of Econ. and B.A.)
	Erasmus University : Research Online
eiop.or.at	ERPA European Research Papers Archive
etd.etsu.edu	ETSU Electronic Thesis and Dissertation Archive
Exystence.complexityscience.net	EXYSTENCE ePrints Archive
forex.uni-bremen.de	FOREX - Research- and Expertdatabase, University of Bremen
gsi.de	GSI OAI Repository
hal.ccsd.cnrs.fr	HAL - CCSD - CNRS (Centre pour la Communication Scientifique Di
HUBerlin.de	Humboldt University of Berlin, GERMANY, Document Server
	ibiblio
www.mpi.nl	IMDI to OAI bridge
	Indiana Historical Society — Digital Image Collections
ai.dlib.indiana.edu	Indiana University Digital Library Program
	JCE Digital Library (dev)
lacito.archivage.vjf.cnrs.fr	LACITO Archive
	Library for digital documents at the university of Oslo
lcoa1.loc.gov	Library of Congress Open Archive Initiative Repository 1
ltrs.larc.nasa.gov	LTRS
lu-research.lub.lu.se	lu:research
MathPreprints	Mathematics Preprint Server
msu.dmc	Michigan State University - Digital and Multimedia Center
archiv.tu-chemnitz.de	MONARCH - Multimedia Online Archiv Chemnitz
	Mormons and their Neighbors
mundus.ac.uk	MUNDUS - UK Missionary collections
theses.ulaval.ca	Mmoires et thses de l'Universit Laval
uni-muenster.de	Mnster University, Germany, Document Server
naca.larc.nasa.gov	NACA
ndad.ulcc.ac.uk	NDAD - UK National Archive of Datasets
etheses.nottingham.ac.uk.OAI2	Nottingham eTheses
nsdl.org	NSDL OAI Repository (initial release)
ai.sunsite.utk.edu	ai.sunsite.utk.edu
xtcat.oclc.org	CLC's Experimental Thesis Catalog
LACA.language-archives.org	LAC Aggregator
www.open-video.org	penVideo
perseus.tufts.edu	Perseus Digital Library
PittPhilSci.OAI2	PhilSci Archive
PhysiologieAnimale.INRA.fr	PhysiologieAnimale

	PhysNet, Oldenburg, Germany, Document Server
harvester.pkp.ubc.ca	PKP Open Archives Harvester
CULeuclid	Project Euclid (Hosted at Cornell University Library)
CULeuclid-test	Project Euclid Test Server (Cornell University Library) OAIDienst
	RePEc
earth.cs.utk.edu	RIB Archive
rib.cs.utk.edu	RIB Archive
	Serveur des publications de l'Institut Francais d'Etudes Andines
	SIOExplorer Data Repository
SUUB	State and University Library Bremen
eprints.ecs.soton.ac.uk	The ECS Publications Database
lib.umich.edu	The University of Michigan. University Library. Digital Library Production Service.
	The University of Tennessee Library, Knoxville
GenericEPrints.OAI2	UFPR EPrints
ai.library.uiuc.edu	University of Illinois Library
unimelb.edu.au	University of Melbourne ePrints Repository
PITETD	University of Pittsburgh Electronic Thesis and Dissertation Archive
UNITN.Eprints	University of Trento - Italy - UNITN-Eprints
sdeir.uqac.ca	Universit du Qubec Chicoutimi - Documentation rgionale
vifaphys.tib.uni-hannover.de	ViFaPhys.de
IMAGEBASE.LIB.VT.EDU	Virginia Tech ImageBase
vtt.fi	VTT Publications Register

To date, July 9, 2003, the list of service is

Arc (service) Old Dominion University. A federated search services based on metadata harvested from several OAI compliant repositories. Uses JDK1.4, Tomcat 4.0x, and a RDBMS server (e.g. Oracle, MySQL). http://arc.cs.odu.edu

Callima infoball. Callima is a search engine for scientific articles from various subject areas and sources. It provides a single point of access to a significant number of Open Archives. http://www.callima.com/oaitemplate.htm

citebaseSearch Southampton University The citebase Search service provides users with the facility for searching across multiple archives with results ranked according to many criteria, such as creation date and citation impact. http://citebase.eprints.org

DP9 Old Dominion University. DP9 is an open source gateway service that allows general search engines, like Google, to index OAI-compliant archives. It stands between the crawler and the archive, intercepts the crawler's requests, forwards them to the archive, and translates the archive's output from XML into HTML. This allows OAI archives hidden in the deep Internet to be indexed by search engines that don't venture into the deep internet. DP9 also supports OAI name resolution and service linking. http://arc.cs.odu.edu:8080/dp9/oaitemplate.html

iCite An automatic citation indexing system covering physics journals. $http://icite.sissa.it : 8888/icite/icites_OAI_registration.html$

my.OAI my.OAI is a full-featured search engine to a selected list of metadata databases from the Open Archives Initiative project. http://www.myoai.com/

NCSTRL Old Dominion University, University of Virginia, Virginia Tech. NCSTRL provides unified access to technical reports and eprints from computer science departments, institutes and laboratories. This is an OAI-based implementation of the NCSTRL project (see Davis and Lagoze, JASIS 51(3) for a full history of the original NCSTRL project). This version replaces the Dienst architecture and protocol with the OAI metadata harvesting protocol. http://www.ncstrl.org/

OAIster University of Michigan Libraries Digital Library Production Service. OAIster provides a search service on OAI archives. You can learn more about a particular institution's collection at oaister.umdl.umich.edu/viewcolls.html.

Perseus The Perseus system harvests registered OAI repositories and incorporates the information into its search interface. http://www.perseus.tufts.edu/cgi-bin/vor

Public Knowledge Harvester U. of British Columbia Discipline-specific OAI metadata harvesting service. http://www.pkp.ubc.ca/harvester

Repository Explorer Virginia Tech. An interactive, web-based tool to test repositories for compliancy with various levels of the Open Archives Initiative Protocol. $http://purl.org/net/oai_explorer$

Scirus Scirus distinguishes itself from existing search engines by concentrating on scientific content only and by searching both web and (often proprietary) databases. Scirus' aim is to provide scientists with one comprehensive search platform covering both the web and the normally "invisible" databases. Scirus now harvests Open Archives data. http://www.scirus.com/

TORII International School for Advanced Studies, Trieste, Italy. Unified access to various open archives (Physics and Computer Science). Filtering and advanced searching. Personalization. For more information, see the TIPS consortium web pages at http://tips.sissa.it

Additionally, a metadata gathering activity has been started to determine some statistics about the to be gathered data from the OAI compliant archives. Some disuniformity of the data has been detected. The report of this gathering process is submitted to a OAI Workshop and maybe considered as a feedback activity. The gathered data seems already to be enough for making the system appealing.

3   Meetings

The CYCLADES project has been presented at OAI related meetings like:

- OAI , Open Meeting in Berlin, Germany, February 26, 2001, where the meeting marked the European public release of the specifications of the OAI interoperability architecture.

- 1st Open Archives Forum Workshop: 13-14th May 2002 in Pisa on Creating a European Forum on Open Archives Activities.

- 2nd Open Archives Forum Workshop: 6-7th December 2002 in Lisbon on Open Access to Hidden Resources.