Open Access : Gateway to Open Innovation

Proceedings of the 27th Annual Conference of the Society for Information Science (SIS)

November 24-26, 2010

Editor
Narayan Chandra Ghosh

Associate Editor
Parthasarathi Mukhopadhyay

Published by

Society for Information Science, Kolkata Chapter, Kolkata

Directory of Open Access Repository (DOAR): An Overview

Sonali Dapsi
Central Library, The University of Burdwan

Abstract

This article deals with Infrastructure of DOAR. It compares of other repositories and applies of single window search interface by metadata harvester. And also deals with uses, purpose, search techniques and search strategy, coverage of Country, Language and software of DOAR.

Keywords: Open Access, Repository, Doar, Roar, Plos.

Introduction:

In the present scenario the digital library is growing fast in parallel to Traditional library and also growing uses of open access electrical journal, resources. So all journal collect in a particular institutional repository. Listing of open access repository available in a particular directory where collecting all resources through harvester. OpenDOAR listed many registered sites as on January 2008.

Open access:

Open to all, source code are available, freely distributed, license are not restricted, technologically restricted, derived works.

Repository:

It is a web-based database of scholarly material; collection of records, which is, must be open and interoperable.

Definition:

DOAR (Directory of Open Access Repositories) is a protocol and software that provide extensible Digital object and Object identifiers.

-It works in concert with handle system to provide a secure.
-It is a reliable system for creating and interacting with digital object
-It covers multiple level of abstraction
-It set of such sequence of entity and identifier.
-It can represent specific data structure; provide services through proxy server entities.

Characteristics of DOAR:

- Listing of Open access repositories available world-wide
- DOAR stuff harvest metadata
- To Provide high degree of quality of information
- To provide listing of repository service

Purpose:

- ✓ Produce a descriptive list
- ✓ It is reliable, relevance, authoritative
- ✓ Locate of academic open research repository
- ✓ Display a structured comprehensive, self regulation, update, clear list
- ✓ Support open access out reach advocacy within institutions.
- ✓ In a networked environment, information Discovery and Retrieval are the keys to the successful delivery of service
- ✓ Developing new services for end-user
- ✓ DOAJ is a project of DOAR

Search service:

To search URL based information through Search engine. .

It gives "find", "Institutional" and "subject based "searching facility.

And able to harvest metadata.

Developed by:

Open Socity Institution (OSI),Joint Information System Committee,Consortium of Research Libraries,SPARC Europe.

Application:

a) Harvest metadata

b) Retrive metadata records for multiple item

c) List of metadata support by archive

d) Service provider

e) Data provider

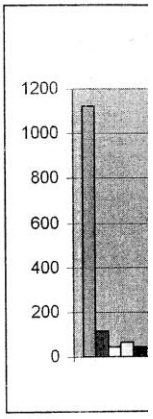
Reasons for not listing in DOAR:

1. Site is an electronic journal
2. Repeatedly inaccessible
3. site requires login to access any material
4. site content no access meterial
5. Bibliographic reference only
6. Solely links to external sites

Analysis o

Subject wise

Multidisciplina
43, Biology an
Earth and Planet
and Statistics-45,
General-93, Arc
Electrical and Ele
33, Arts and Hun
and Regional St
Literature-40, Ph
and Economics-7
Science-60,



This Chart deals
Multidisciplinar

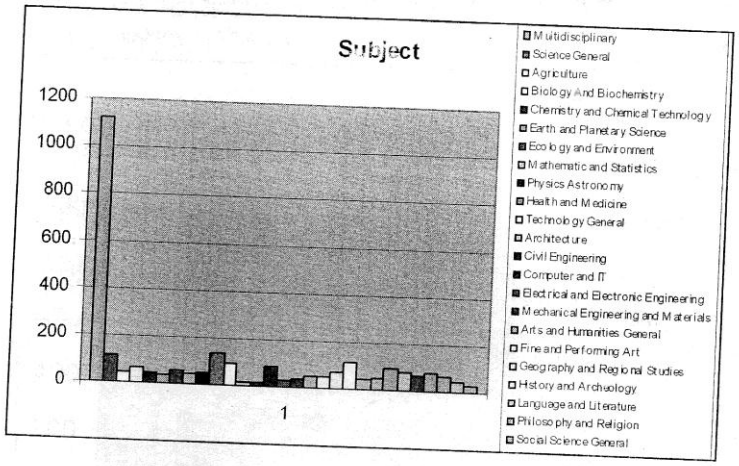
Content type wis

Articles -1147,
277, Multimedia
Theses-929, Unp

Analysis of Searchable Criteria for Open Access Repository (DOAR)

Subject wise analysis:-

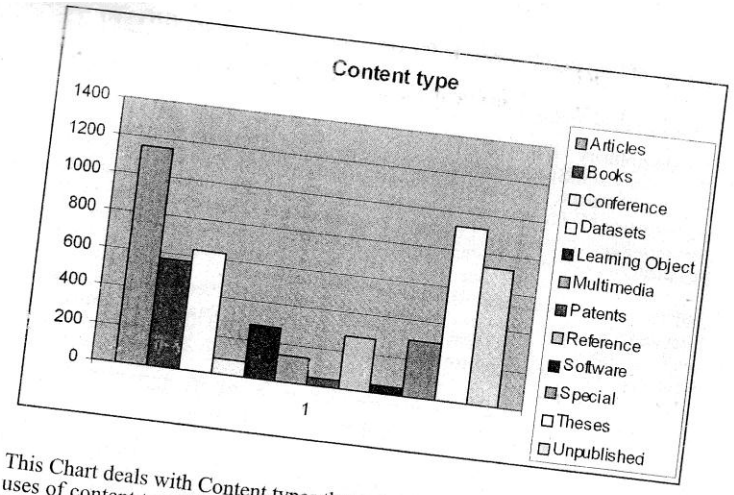
Multidisciplinary 1120, Science General 108, Agriculture, Food and Veterinary-43, Biology and Biochemistry-63 , Chemistry and Chemical Technology-36, Earth and Planetary Science-31, Ecology and Environment-55, Mathematic and Statistics-45, Physics Astronomy-48, Health and Medicine-132, Technology General-93, Architecture-13, Civil Engineering-13, Computer and IT-85, Electrical and Electronic Engineering-22, Mechanical Engineering and Materials-33, Arts and Humanities General-51, Fine and Performing Art-49, Geography and Regional Studies-66, History and Archeology-107, Language and Literature-40, Philosophy and Religion-46,Social Science General-88, Business and Economics-79, Education-58, Law and Politics-80, Library and Information Science-60, Management and Planning-35, Psychology-23.



This Chart deals with Subject through which is a very use. Very much uses of Multidisciplinary subject .

Content type wise analysis:-

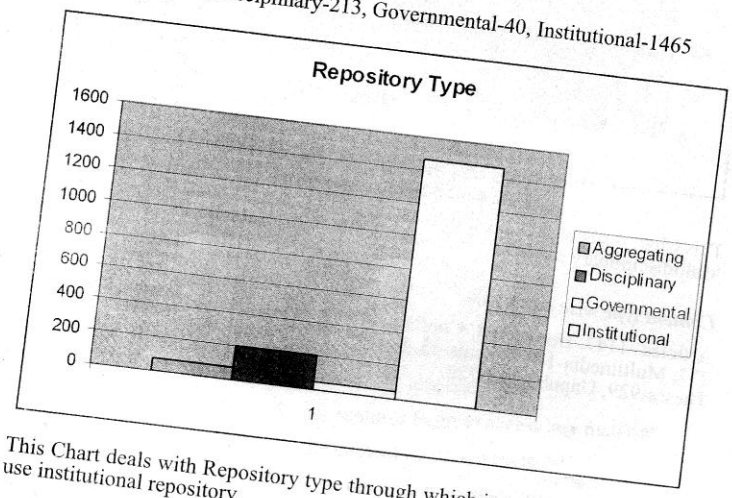
Articles -1147, Books-568, Conference-631, Datasets-77, Learning Object-277, Multimedia-141, Patents-33, Reference-275, Software-32, Special-293, Theses-929, Unpublished-722.



This Chart deals with Content types through which are a very use. Very much uses of content type 'Articles'. Patents and Software are same low-level data belong.

Repository type wise analysis:-

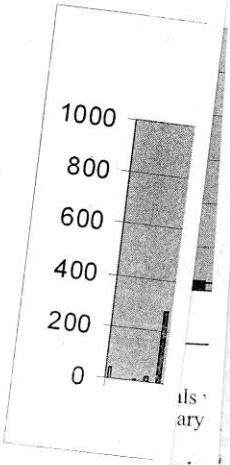
Aggregating-76, Disciplinary-213, Governmental-40, Institutional-1465



This Chart deals with Repository type through which is a very use. To much use institutional repository.

Country wi

Africa-44, Bo
3, Nigeria-2,
278,Afghanistar
42, Indonesia-7,
2,Malaysia-11,N
Singapore-2, ,S
1,Australisia-78,
Republic-2,Jamai
13, Caste Race-5,
3, Croatia-5, Cypr
15, France-56, Ger
1,Moldova-1, Ne
10,Serbia-2,Solve
15,UK-181,North
93,Argentina-11,Bo
1, Peru-9,Uruguay



This Chart deals w
uses.

Software wise anc

Not Specified-36
CDSware-11, Coc
7, Digital Commor
1, Doks-5, Drupa

Country wise analysis:-

Africa-44, Botswana-1, Cape Verde-1, Egypt-6, Ethiopia-1, Ghane-1,Kenya-3, Nigeria-2, Senegal-1,South Africa-24, Uganda-1,Zimbabwe-1,Asia-278,Afghanistan-1, Azerbaijan-1, Bangladesh-2, China-10, Georgia-1, India-42, Indonesia-7,Iran-2, Israel-2, Japan-120, Kazakhstan-1, Korea-5,Kyrgystan-2,Malaysia-11,Nepal-1,Pakisthan-2,Philippiness-2,Qatar-1, south Arabia-3, Singapore-2, ,Srilanka-1,Taiwan-41, Thailand-6,Tharkey-11, Viet Nam-1,Australisia-78,Australia-63,Newzeland-15,Caribbean-9,Cuba-2,Dominacan Republic-2,Jamaica-3,Puerto Rico-1, Trinidad and Tobago-1, Central America-13, Caste Race-5, Europe-843, Austria-9, Belarus-28, Belgium -3, Bulgaria-3, Croatia-5, Cypres-1, Czech republic-4 , Denmark-10, Estonia -5, Finland-15, France-56, Germany-142, Greece-13, Hungary-10, Iceland-2,Lithuania-1,Moldova-1, Netherland-47, Norway-41,Poland-19,Russian Federation-10,Serbia-2,Solvenia-3, Spain-67, Sweden-40, Switzerland-10,Ukrine-15,UK-181,North America-441, Canada-54,Mexico-12,US-375,South America-93,Argentina-11,Bolivia-2,Brazil-29,Chile-7,Colombia-13,Ecuador-12, Paraguay-1, Peru-9,Uruguay-1, Venezuela-8.

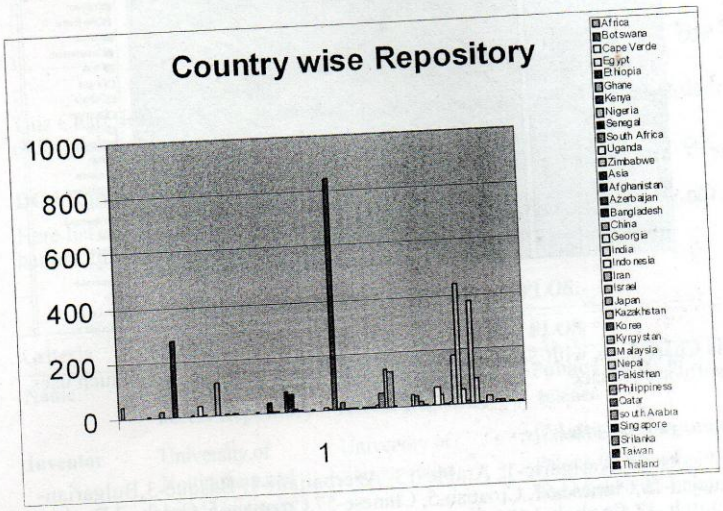


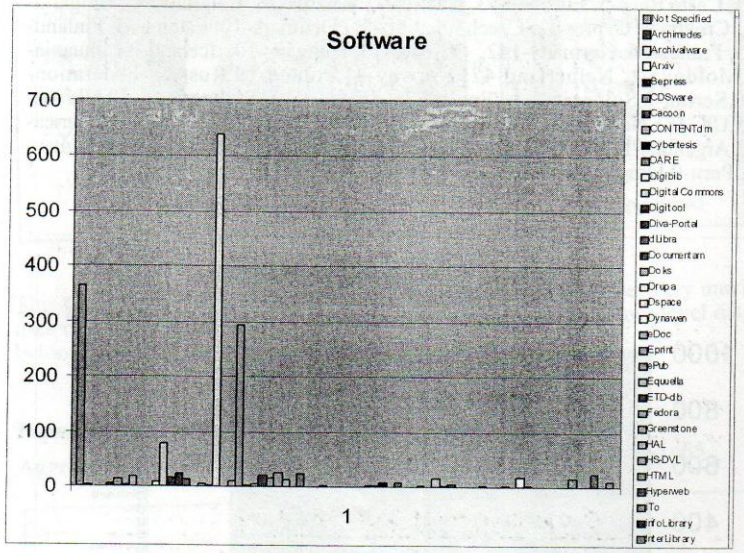
Table 7

This Chart deals with country wise repository. Repository of Europe too much uses.

Software wise analysis:-

Not Specified-364, Archimedes-2, Archivalware-1, Arxiv-1, Bepress-5, CDSware-11, Cocoon-2, CONTENTdm-17, Cybertesis-1, DARE-1, Digibib-7, Digital Commons-77, Digitool-15, Diva-Portal-23, dLibra-13, Documentam-1, Doks-5, Drupal-2, Dspace-639, Dynawen-1, eDoc-9, Eprint-293,

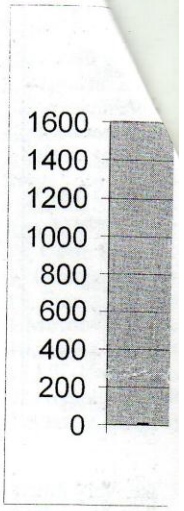
ePub-2, Equuella-4, ETD-db-19, Fedora-16, Greenstone-24, HAL-12, HS-DVL-1, HTML-23, Hyperweb-1, iTor-1, intoLibrary-2, InterLibrary-1, Kaleidoscope-1, MANTOU-1,Maxwell-1, Mercury-1, Mikrobeta-2, Miless-2, MiTOS-6, MONARCH-1, MyCoRe-6, Nitya-1, NPS-1, OAICat-2, OJS-1, Open Repository-16, Open Courseware-2, OPUS-5, Perl Based-1, Perseus-1, Plone-1, PMC-3, PORT-1, PURE-1, Red Hart-2, Refbase-1, SciELO-17, SciX-3, STARdatabase-1, Sunsite-1, UBKA-1, UL Traseek-1, Update software-1, VITAL-15, voorporltool-1, VTS-1, Wiilfire-23, Wordpress-1, XOONIPS-9.



This Chart deals with Software through which is a very use. Very much uses of software Dspace.

Language wise analysis:-

Afrikaans –4, Aarigaric-1, Arabic-13, Azerbaijani-1, Basque-3,Bulgarian-1,Catalan-10,Chinese-57, Croatian-5, Chinese-57,Croatian- 5, Czech –2,Danish-6, Dutch-47,English-1408,Estonian-5,Finnish-14, French-108,German-170,Greek-15, Hebrew-3,Hindi-6, Hungarian-7,Icelandic-3, Indonesian-2, Italian-121, Kannada-2, Kazakh-1, Korean-7, Latin-5,Lithuanian-3, Malay-2, Malayalam-41, Maori-1,Nepali-1, Norwegian-41, Pashto-2, Persian-4, Polish-18, Portuguese-65, Romanian-2, Russian-22,Samoan-1,Sanskrit-1, Serbian-1,Sesotho-1, Slovenian-167,Swediah-41,Thai-6, Turkish-10,Ukrainian-16,Urdu-1, Vietnamese-1,Walsh-4, Yissish-1



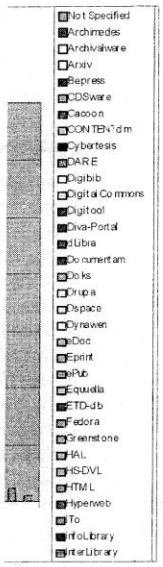
This Chart deals v
of English Langua

DOAR in Librar

Here list of LIS di
harvest this metac

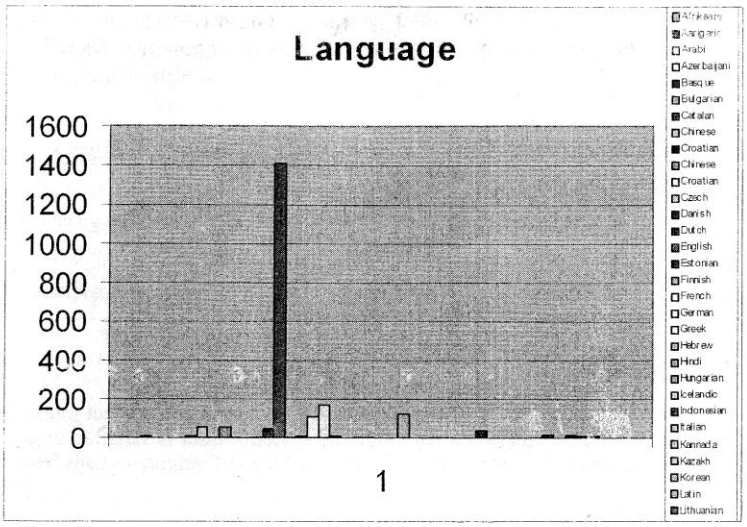
Criteria	DO
Name	Dir acc
Inventor	Uni Not Lur
Nature	Hig pro ope
Year	
Registration	"Su
Archiving	140

HAL-12,
erLibrary-1,
a-2, Miless-2,
AICat-2, OJS-
, Perl Based-1,
Refbase-1,
UL Traseek-1,
-23, Wordpress-



Very much uses

ue-3,Bulgarian-
Czech --2,Danish-
h-108,German-
, Indonesian-2,
ian-3, Malay-2,
ersian-4, Polish-
skrit-1, Serbian-
rainian-16,Urdu-



This Chart deals with Language through which is a very use. Very much uses of English Language.

DOAR in Library and Information Science: -

Here list of LIS directory available and also found URL and based ULR where harvest this metadata and found a local system, a single user interface.

Compares between DOAR , ROAR and PLOS:-

Criteria	DOAR	ROAR	PLOS
Name	**Directory of open access Repository**	**Registry of Open Access Registries**	**Public Library of science**
Inventor	University of Nottingham and Lund University	University of Southampton	Harold E. Varmus , Patrick O. Brown and Michael B. Eisen
Nature	High quality, high profile journal under open access model	High quality, high profile journal under open access model	High quality, high profile journal under open access model
Year		1997	2001
Registration	"Suggest a repository"	ROAR map	Registrar
Archiving	1400	1451	Un known

Type	Open access repository(open)	Open access repository(for registry)	It is non profit organization, freely available in medical literature
Search facility	Search in seven type	Search in four type	Search in three type
Goal	World library any knowledge by given any person	World library any knowledge by given any person	World library scientific knowledge by given any person.
Scope	All subject	All subject	Science subject related

Conclusion.-

Any library take this work about repositories where found any subject journal and all web-based resources are kept in a local system. User is satisfied to get this journal. All country is accepting it. Different types of languages uses here.

Reference

Dhanakar, M Arul, Nithyanandam, K Pandian, R Rajasekar, V (2008) Role of Librarians in Institutional Repositories, Planner 2008

Mukhopadhyay, Parthasarathi. IDR through Dsapce.Workshop@Dlis Kalyani University

Retrieved October 2010 29, from http://www.opendoar.org/

Retrieved October 2010 29, from http://www.roar.eprints.org/

Retrieved March 2010 21, from http://www.plos.org/search.php

Singh, Sukhdev and Pandita, Naina and Dash, Shefali S. (2008) Opportunities and challenges of establishing open access repositories: a case study of OpenMED@NIC. *Trends and Strategic Issues for Librarians in Global Information Society, Organised by Department of Library and Information Science, Panjab University, Chandigarh,* India.

Institutional
Ma

The devel
Communi
their servi
becoming
The patter
the comm
and model
of them. T
Dissertatic
Papers/ Ct
etc. in case
Library, I
evaluate th
during the
areas, like,
Uploading
and other
Content, F
from the
suggested
found that
in PDF fo
the campu
papers, in
computer

Keyword
Institute o

Introduction

Effective manage
impact on the soci