

OceanDocs, a network of marine science repositories using DSpace

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Overview

1. Repository Development at UNESCO - IOC/IODE
 1. OdinPubAfrica
 2. From OdinPubAfrica to OceanDocs
 3. Future Developments
 4. OceanDocs on DSpace 1.5.2

1. OdinPubAfrica

An African repository for
marine science



OdinPubAfrica: Home - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://iodeweb1.vliz.be/odin/



ODINPubAFRICA
Scientific publications of ODINAFRICA

OdinPubAfrica >

Search DSpace

[Advanced Search](#)

Home

Browse

- [Communities & Collections](#)
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ODINPubAFRICA

Research & Publications in Marine Science in Africa
preprints, published articles, technical reports, working papers, etc.

Recherche et Publications en Science Marine en Afrique
contenant des articles (publiés), des rapports de conférence et autres.

Search

Enter some text in the box below to search DSpace

Communities in DSpace

Choose a community to browse its collections.

- [African Marine Science - Oceanography - Fishery \[597\]](#)
- [Ghana \[7\]](#)
- [Indian Ocean \[66\]](#)
- [Kenya \[7\]](#)
- [Mauritania \[49\]](#)
- [Morocco \[2\]](#)
- [Mozambique \[3\]](#)
- [Senegal \[6\]](#)

Done

OdinPubAfrica

A FUST project of IOC (Aug. 2004 – Aug. 2006) coordinated by Hasselt University and supported by the Flemish government in the framework of OdinAfrica

<http://web.archive.org/web/>

The goals of OdinPubAfrica

- Facilitate publishing of research findings by African scientists (e-journal as well as e-archive) thereby promoting African research and increasing access by African scientists to the international research forum
- Make scientific publications in the field of marine science and oceanography in Africa more easily and freely accessible
- Enhance the internal scientific communication
- Develop an OAI-compliant repository providing access to full-text publications created by scientists affiliated to African institutes
(with 1500 documents at the end of the project)

A single repository for OdinAfrica

- Limited internet capacity in Africa:
 - At the end of 2003, 64 kbps was qualified as a good connection
 - Internet connection at the institutes in 2004:
 - ADSL/VSAT: Algeria, Egypt, Guinea, Kenya, Madagascar, Morocco, Mauritania, Mauritius, Mozambique, Namibia, Nigeria, Senegal, Seychelles, Sth-Africa, Tunisia
 - ISDN: Tanzania
 - Modem: Benin, Comoros, Gabon, Ghana, Togo
 - Not: Angola, Cameroon, Congo

Development of OdinPubAfrica

Technical

- Why DSpace?
 - The community-collection structure: Every organization has her own pages/identity
 - Handle system: every document has a unique ID
 - OAI – Crosswalk possibility:
 - Basic: Dublin Core - METS
- Developments
 - Extended metadata (e.g. support of MODS – Agris AP)
 - Customized interface + submission procedure
 - Extra features: Journal – conference view (see [1](#) – [2](#))

Development of OdinPubAfrica

- Training:
 - Local coordinators (16 information managers)
 - Appointment of 2 DSpace administrators:
 - West-Africa – French
 - East-Africa - English
 - Support by UHasselt and IOC
 - OdinPubAfrica – training material at:
http://www.uhasselt.be/bibliotheek/demos/oceandocs_e.htm
- Implementation at institute level:
 - Agreement of the management
 - Implementation of an institutional repository policy
= most difficult part
= the result of the work of the information managers of
OdinAfrica

2. From OdinPubAfrica to OceanDocs




From OdinPubAfrica to OceanDocs

- Repository development has been identified as a major goal by IOC
- Information management training sessions
- Interest of ODIN communities: OdinCarsa – OdinCindio – OdinECET – ...
- Two options:
 - Setting up regional repositories
 - Extending the existing repository: OceanDocs

OceanDocs: National Institut... x +

http://iodeweb1.vliz.be/odin/handle/1834/1000



OceanDocs
E-Repository of Ocean Publications

Francais English


Search DSpace

 Advanced Search

OceanDocs >
 Africa >
 Egypt >

National Institute of Oceanography and Fisheries

Community home page



Recent Submissions

Cell culture from two red sea benthic invertebrates: a case study on the soft octocorals dendronephthya klunzingeri and anethelia glauca

Influence of salinity variations on zooplankton community in el-mex bay

In: National Institute of Oceanography and Fisheries

Search for

or browse

National Institute of Oceanography and Fisheries
 3 Aben Mahassen Street
 Moharem Bay
 Alexandria, Egypt
 Tel./Fax: + 203 3929900
 Contact: Azza Mohamed Khaled, Information Manager
 azzakhaled_2004@yahoo.com

Collections in this community

- Articles [7]

OceanDocs: Instituto Nacional de Investigación y Desarrollo Pesquero (INIDEP) - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://iodeweb1.vliz.be/odin/handle/1834/1355

OceanDocs >
 Latin America >
 ARGENTINA >

Instituto Nacional de Investigación y Desarrollo Pesquero (INIDEP)

Community home page

In: Instituto Nacional de Investigación y Desarrollo Pesquero (INIDEP)

Search for

or browse

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- Edit Profile
- Help
- About DSpace

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Communities & Collections

Choose a community

- Africa
- Latin America

El INIDEP fue creado en 1977 sobre la base del antiguo Instituto de Biología Marina de Mar del Plata, con el propósito de llevar a cabo programas integrales de investigación de las pesquerías, con énfasis en la evaluación de los recursos pesqueros de la República Argentina y en el desarrollo pesquero sostenible. Es un organismo descentralizado dependiente de la Secretaría de Agricultura, Ganadería, Pesca y Alimentos del Ministerio de Economía.

La Biblioteca y Servicio de Documentación del INIDEP tiene como misión difundir, preservar y dar acceso a la bibliografía nacional en ciencias acuáticas y pesqueras. Es Nodo Sistema de Información ASF/FAO y miembro IAMSLIC.

La Producción Científica de los investigadores de la institución incluye artículos en las series publicadas por el INIDEP y en otras revistas internacionales.

Collections in this community

1. Revista de Investigación y Desarrollo Pesquero
2. INIDEP Informe Técnico
3. Publicaciones especiales del INIDEP
4. Artículos en otras publicaciones

Recent Submissions

Ommastrephes bartramii: a potential target for the squid fishery in the Southwest Atlantic

Evaluación de corvina rubia (Micropogonias furnieri) en el área del Río de la Plata y Zona Común de Pesca argentino-uruguaya por medio de un modelo de dinámica de biomasa

Gonocorismo en la vieira patagónica Zygochlamys patagonica (King y Broderip, 1832) en el Banco Reclutas, Argentina

Kitefin shark Dalatia licha (Dalatiidae) fishery in the northeastern Atlantic and some recommendations for elasmobranchs exploitation

Variaciones interanuales (1995-2000) de la temperatura y la salinidad registradas en los meses de enero en el golfo San Jorge y aguas adyacentes (43°S-47°S).

RSS Feeds

OceanDocs as a Network

- Two-level approach is unavoidable
 - Institutes have their own repository
 - The oceanographic collection will be a part of a larger institutional repository
 - The OceanDocs Central will be available for smaller institutes and institutes with limited internet capacity

Current situation

IODE related repositories:

1. OceanDocs

(31 institutes from Africa and Latin America) -

<http://www.oceandocs.net>

1. Repositories with the same software:

- IBSS(Sevastopol – Ukraine):

<http://repository.ibss.org.ua/dspace/> - 848 docs

- CEEMAR (<http://www.ceemar.org/>) – 527 docs

2. Related institutional repositories:

• NIO (Goa-India): <http://drs.nio.org/> - On DSpace - 3353 docs

• ODINPimris (<http://pimrisregional.library.usp.ac.fj/>) – On Greenstone – 123 docs

Statistics

OceanDocs

- Records: 2797
- Downloads:
 - Africa: 2008: 82.617 - 2009: 134.071
 - L. America: 2008: 63.891 - 2009: 96.186
- Most visited collection:
 - In Africa: Institut National des Sciences et Technologies de la Mer, Tunisia. (25.723 downloads)
 - In Latin America: Instituto Nacional de Investigación y Desarrollo Pesquero, Argentina. (56.085 downloads)

Current situation

- Other repositories in marine science:

1. Iamslic: Aquatic Commons

- <http://aquacomm.fcla.edu/>



1. Institutional repositories with oceanography collections: examples

- National Oceanography Centre and School of Ocean and Earth Sciences at Soton - <http://eprints.soton.ac.uk/>
- IFREMER - <http://www.ifremer.fr/docelec/>

- Harvester:

1. AVANO: <http://www.ifremer.fr/avano/>

= Harvester of Aquatic Commons and of OceanDocs (IOC/IODE)

2.3. Future developments



Creation of an OceanDocs network

Steering Group: Since 2007

Representatives of the Odin groups + experts

Goals

- Development of an OceanDocs policy
- Development of the OceanDocs repository with new members
- Creation of new institutional repositories in the OceanDocs framework
- Definition of standards
- Integration of the different parts of the OceanDocs network



Integration of the different parts of the OceanDocs network

Technical Options

1. Harvester plug-in DSpace: Metadata only
 2. SWORD: Metadata + Full-text
 3. Other tools: Joomla – Drupal – SIMILE
- For the visibility of the community
 - For archiving and long time availability
 - For extra services: mash ups – linking with other data
 - OceanExpert – OceanPortal – Odin websites (AfricanOceans – Odincarsa - ...)
 - E.g. using OceanExpert as authority file for author names

Software Development

Based on the following assumptions:

1. Use of an open source software repository package:
DSpace
 2. Customization to the specific needs of the community
 3. Cooperation with organizations with similar goals:
 - FAO - Agris DSpace
 4. Development of integration tools (metadata – full record exchange)
- Latest version: OceanDocs on DSpace 1.5.2

2.4. OceanDocs on DSpace 1.5.2

See <http://193.190.8.15/jspui>



New lay-out

Test OceanDocs: Home - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://193.190.8.15/jspui/

Test OceanDocs: Home

OceanDocs
E-Repository of Ocean Publications

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[Latin America](#)

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[RSS 1.0](#)
[RSS 2.0](#)

Contact:
[Marc Goovaerts](#)

Links:
Search engines:
[Avano](#), [Google Scholar](#), [OAIster](#)
Repositories:
[Archimer](#), [Archive Institutionnelle de l'Ifremer](#), [IRD Documentation](#), [ePrints Soton \(Oceanography\)](#), [Woods Hole Open Access Server](#), [Marine & Ocean Science](#)

Test OceanDocs >

OceanDocs

Research & Publications in Marine Science in digital form, including preprints, published articles, technical reports, working papers and more.

OceanDocs is supported by the **Intergovernmental Oceanographic Commission (IOC)** specifically to collect, preserve and facilitate access to all research output from members of their Ocean Data and Information Networks (ODINS). It is one of a number of complementary thematic digital marine and aquatic repositories including the **Aquatic Commons**, which is supported by the International Association of Aquatic and Marine Science Libraries and Information Centers (IAMSLIC). The records of both repositories are harvested by **Avano** which aggregates records from marine and aquatic repositories around the World.

Search

Enter some text in the box below to search DSpace.

Recent Submissions

Title - Citation - Author(s)	Type
IODE Group of Experts on Technical Aspects of Data Exchange	Research report
IODE	
XML structures Document Technique de l'IMROP, 1(12). p. 100-300 surinx, dimitri	Article - published
Accumulation of trace metals in some benthic invertebrate and fish species relevant to their concentration in water and sediment	Article - published

Done

Enhancement submission module

MyDSpace: Describe this Item - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://193.190.8.49/jspui/submit?resume=3477

MyDSpace: Describe this Item

Title

Other titles

Language - Select the language of the main content of the item. If the language does not appear in the list below please select 'Other'.

Language

Citation - Enter the reference to the journal

Title **ISSN**

ca Deep-sea research. Part I. Oceanographic research papers
Deep-sea research. Part II. Topical studies in oceanography
0 more results.



Ye

Month: (No Month) Day: Year:

Volume **Issue** **Start page** **End page**

Publisher

URL - DOI of published version

  **IODE** Intergovernmental Oceanographic Commission of UNESCO
International Oceanographic Data and Information Exchange

Done

Enhancement submission module

- Type defined submission forms:

```
<form-multimap>
  <collection handle="default">
    <!-- <form name="basic" /> -->
    <form name="Article - published" />
    <form name="Article - unpublished" />
    <form name="Book" />
    <form name="Book item" />
    <form name="Conference paper - published" />
  <form name="Research report" />
    <form name="Theses and dissertations" />
    <form name="Working paper" />
  </collection>
</form-multimap>
```

- Easy to add a new type in the input-forms.xml

Enhancement submission module

- Authority control: e.g. journals

- Autosuggestion for journal title:
- Automatic fill out of issn:

```

<field>
  <dc-schema>dc</dc-schema>
  <dc-element>bibliographicCitation</dc-element>
  <dc-qualifier>title</dc-qualifier>
  <label>Title</label>
  <input-type maxresults="10" table="odin_journals"
    column="journal_name" editable="true" othercolumn1=
    "journal_issn" otherlist1="dc_identifier_issn">
    suggestionbox</input-type>
  <repeatable>>false</repeatable>
  <required>You must enter a title for this journal </required>
</field>

```


Enhancement submission module

- Lay-out possibilities:
 - Grouping of fields
 - Definition of field size
 - Different fields in a row
 - Controlled vocabulary – with autosuggestion
 - Switching between types
- Extended DC:
 - bibliographicCitation.title, bibliographicCitation.volume, bibliographicCitation.conferencename, ...

Export metadata

The screenshot displays a web browser window titled "MyDSpace: Browsing DSpace" with the URL `http://193.190.8.49/jspui/browse?type=title#`. The interface includes a sidebar with navigation options like "Contact: Administrator" and "Links: Search engines: Avano, Google Scholar, OA1ster".

Overlaid on the main page are several other browser windows:

- MyDSpace: Printbasket - Mozilla Firefox**: Shows the URL `http://193.190.8.49/jspui/browse/printbasket.jsp?handles=2450,2197`. The page content includes "OceanDocs E-Repository of Ocean Publications" and a "PrintBasket" section with a list of items:
 - Title
 - 1994 inter Lagos, Nig Awosika, L
 - A Compari Sardine Sa Benguela I South Afric Kreiner, A.
 - A drift stud anchoita e Revista de Sánchez, R.
 - A prelimin of 'rusty-y (Oreochro Oladosu, H
 - A review o and the op Ajayi, T. O.
 - A review o and the op Ajayi, T. O.
 - A review o Nigeria Ibe, A. C.
 - A review o Nigeria. Ibe, A. C.
 - A review o Ajao, E. A.
 - Abundance
- Bibliography - Mozilla Firefox**: Shows the URL `http://193.190.8.49/jspui/bibliography/bib=bibtex`. The page content includes "Bibliography" and a list of items:
 - Title
 - A Comparison of Sardine Sardinops Benguela Upwelling South African Journ Kreiner, A.; Van d
 - A drift study of anchoita eggs and Revista de Investig Sánchez, R.P.; Cle
- Bibliography - Mozilla Firefox**: Shows the URL `http://hdl.handle.net/1834/2124`. The page content includes "Bibliography" and a list of items:
 - Title
 - @article(<http://hdl.handle.net/1834/2124>, publisher = (Department of Environmental Affairs and Tourism), journal = (South African Journal Marine Science), booktitle = (South African Journal Marine Science), author = (Kreiner, A. and Van der Lingen, C.D. and Fréon, P.), language = (en), volume = (23), pages_end = (134), pages_start = (123), year = (2001), abstract = (Time-series of condition factor (CF) and gonadosomatic index (GSI) were generated using general linear models (GLM) for sardine Sardinops sagax stocks in the northern and southern Benguela ecosystems over the period 1984-1999. During this period the biomass of sardine in the northern Benguela remained at relatively low levels of <500 000 tons, whereas that of southern Benguela sardine increased 40-fold to 1.3 million tons. The GLMs explained 27 and 45% of the observed variation in CF, and 32 and 28% of the observed variation in GSI, for sardine in the northern and southern Benguela subsystems respectively. Whereas the sardine CF in the northern Benguela remained stable over time, that for the southern Benguela stock declined steadily during the study period. Sardine CF showed a seasonal cycle in the southern but not in the northern Benguela. Time-series of GSI showed high interannual variability but no trends in either subsystem, and the seasonal pattern was similar for both stocks. The lack of coherence between the CF time-series for sardine in the two subsystems further suggests that sardine stocks in the northern and southern Benguela subsystems are independent), ISSN = (1814-232X), title = (A Comparison Of Condition Factor And Gonadosomatic Index Of Sardine Sardinops Sagax Stocks In The Northern And Southern Benguela Upwelling Ecosystems, 1984-1999))
 - @article(<http://hdl.handle.net/1834/1871>, publisher = (Mar del Plata: Instituto Nacional de Investigación y Desarrollo Pesquero (INIDEP)), journal = (Revista de Investigación y Desarrollo Pesquero), booktitle = (Revista de Investigación y Desarrollo Pesquero), author = (Sánchez, R.P.

Easy-to-install-version

- Distribution based on a builded version
- Limited costumization options:
 - Banner
 - Name – url
 - Community-Collection structure
 - Content (of course)

 - Without handle service (option)
 - Using Google Analyzer as statistic module (option)
- Windows-based: scripts translated to bat files
- Available at the end of October/ beginning of November

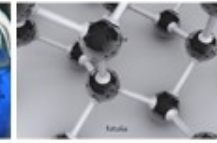
Integration of Agris DSpace developments at FAO

Integration of

- Agris DSpace: relevant for integration/linking with FAO-databases
- Thesaurus plug-in (based on webservices - SKOS) – in development: Standard for thesauri (ASFA – Agrovoc), but probably for other forms of authority control too.

Open Science Directory

Search tool for open access journals and journals
in special programs for developing countries



The Open Science Directory was
officially launched on February 21,
2008

<http://www.opensciencedirectory.net>

Content of Open Science Directory

- The Open Science Directory contains collections of Open Access Journals (e.g. Directory of Open Access Journals) and journals in special programs (Hinari, Agora, OARE, eJDS). Other program collections will be added in the near future: INASP-PERI, JStor, a.o..



- A single access point to all the journals contained in the different programs

One Year later

- 18.451 titles (+ 5000)
- INASP-PERii (Agreement to be implemented)
- 26.316 sessions in 2008 - 147087 in 2009
- Plans:
 - New collections: JStor
 - Enhancement of the services: Link resolver

4. Conclusions

- OceanDocs:
 - A network to manage the scientific output of marine research institutes worldwide
- Open Science Directory:
 - facilitate access to scientific journals in developing countries
- Part of a larger family of data and information tools
 - Ocean Data Portal (<http://www.oceandataportal.org>)
 - OceanExpert (<http://www.oceanexpert.net/>)
 - OceanPortal (<http://www.oceanportal.org>)
 - OceanTeacher (<http://www.oceaneacher.org>).

Thank you for your attention.