

ABSTRACTS OF PRESENTED PAPERS AND POSTER SESSIONS

Listed alphabetically by name of Conference Presenter

Challenges of the Present Lead to Benefits for the Future in Automation

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POSTER ABSTRACT: While in the midst of migrating our current ILSs to newer systems we contemplate the challenges and record how we might have done it better. Tips we would give the next project managers, and how we see the next generation of users and project managers coping with their migrations will be featured. In doing that we think that developing a timeline, being prepared for all of the pitfalls both internal and external, and getting support from the administration are important. Also important is determining how fancy a system do you want to come up with or can you add the bells and whistles later (determine your priorities). Investigate how you are conforming to existing standards, do you have alternatives if major parts of the implementation does not go well. For instance, if your system administrator is ill during the load, do you have a back up plan to take care of it. Plan for needed interfaces with other on-campus automation such as WebCT, Banner and your campus networking infrastructure. This also involves looking into the future a bit and speculating with a basis on the latest automation trends what libraries will be facing. Buzz words like grid computing, giga-bandwidth, self-healing operating systems and applications, and the commoditization of information technology centers will affect technology staff and users. The economic drive for these moves will be made evident. Change is better when you have made preparations for it.

Web-Based Virtual Reference Services: A Panel Discussion

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[No abstract available]

Mercury Contamination and Cycling in the Coastal Zone

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[No abstract available]

Copyright 2003: What Happened, What You Should Know, How it Affects You

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ABSTRACT: This paper will review developments in copyright law since the last IAMSLIC conference. Important developments in copyright law in the USA and in other parts of the world during 2002-2003 will be reviewed and potential impacts on the day-to-day activities of IAMSLIC members will be discussed. The presentation will be followed by an open, give and take discussion with all the IAMSLIC members in attendance.

Alfred Wegener Institute Services to Remote Research Laboratories

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[No abstract available]

Networking the Africa Regional Group of IAMSLIC – The way forward.

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Abstract: The Africa Regional Group of IAMSLIC need to be properly networked to enable members share their limited information resources. This paper will examine the present networking structure of the Group and suggest the possible ways that the group can be networked to maximise resource sharing among members of the Association in the region. The paper also discussed the challenges that this form of cooperation will face and make some recommendations as to how these can be overcome.

Digitizing Historical Oceanographic Expedition Content

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ABSTRACT: The Scripps Institution of Oceanography (SIO) Archives has been digitizing a large body of archival content relating to historic SIO expeditions, through two digital library grant projects. After World War II, SIO scientists sailed the oceans of the world to study the seas, marine life and the geology of the sea floor. The SIO Archives has a rich collection of materials relating to these expeditions, which have long been of considerable interest to users, but difficult to access. These digital library projects are making these materials available as images, page scans, and encoded text, where relevant. Metadata has been developed to meet internal needs as well as external user needs, and also the needs of digital library project partners. Time-consuming reference service and access to these materials is being greatly facilitated by digitization.

The UN Atlas of the Oceans

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[No abstract available]

Building REEAFS: Repackaging and Personalizing Library Services to Remote Marine Science Facilities

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ABSTRACT: The University of North Carolina at Wilmington (UNCW) is a Comprehensive Level I University offering graduate programs and a new doctoral program in marine biology. With UNCW's new remote marine sciences research facility, management of a national undersea research laboratory, and expanding research opportunities, partnerships between Randall Library and the University's marine sciences community must continue to grow. Metaphorically similar to coral reef ecosystems, libraries are rainforests for learning. As a vital component of any college or university, libraries are home to collections and technologies that nurture inquiry and the search for truth. Using this metaphor to implement the Research Enrichment and Educational Assistance for Faculty and Students (REEAFS) program, Randall Library has repackaged its services for this geographically remote community. In doing so, the Library is using a dynamic blend of technology and traditional library principles to provide personalized support in research and teaching while increasing awareness and participation of library services by faculty and students. This facilitates research through the sharing of knowledge and leads to a richly enhanced ecosystem of learning. The purpose of this discussion will be to highlight the REEAFS program and discuss methodologies and opportunities for outreach to faculty and students at remote research facilities at universities lacking a branch library or library specialist.

Using data from Web-server logs to develop a concept-based browse set for water quality and agriculture

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ABSTRACT: Search engine and OPAC transaction logs have been evaluated for a variety of purposes, such as the analysis of demographic and behavioral data; and search frequency, length and success. Transaction logs contain statistics on many facets of a user's interaction with Web servers. Web-user communication statistics, in the form of search engine term-frequency logs, were collected for a Web site covering water quality and agriculture at the National Agricultural Library's Water Quality Information Center. In this paper, we look at enhancing user success in locating desired documents in the site's online database by creating a hyperlinked browse list. This browse list appears on the database search page and represents concepts drawn from analyzing several months of Web logs. Due to government policies, user-identifying information is rarely available from Federal government servers. However, anonymous communication feedback sources, such as logs of search terms entered in database queries, may provide useful information to information managers. An evaluation of frequently-used terms provides a mechanism to identify and meet the needs of people seeking information on water and agriculture.

Electronic Subject Guides: Promoting your Costly E-Resources

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POSTER ABSTRACT: Most undergraduates and even long-time researchers or faculty resort to just a few favorite electronic resources and have no idea as to the breadth of e-resources that their organization's library provides. Many libraries have developed A-Z lists of their e-journal subscriptions or have added links to e-resources in their online catalogs. Others are looking at building meta-search tools to cross-search multiple databases simultaneously. In addition to these, the University of California, Davis University Library designed a "Subject Guide" application to quickly lead the new user to the key bibliographic databases in large disciplinary areas. These guides are also a tool for training new staff and guiding library staff in subject areas outside their expertise.

Diving into our Digital Future: Defining IAMSLIC's Digital Architecture

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ABSTRACT: There are a number of digital initiatives that are currently of interest to IAMSLIC, including: UN Atlas of the Oceans; INFOMINE subject guides; Marine Information Management Modules (MIME) of IOC; digitization of IAMSLIC publications; digitization of grey literature related to marine and aquatic sciences; expanding ASFA's role in linking to digital content; Z39.50 Distributed Library; and eprints. At the moment, most of these opportunities have not been thoroughly explored and none have the current commitment of IAMSLIC support except MIME and the Z39.50 project. Although individual members may and probably are participating in one or more of these ventures, it would behoove us to develop an organized approach to IAMSLIC's digital future. With this goal in mind, each of the panelists will present the current state of their particular topic/project and indicate how IAMSLIC is or can become involved. Some estimate of time commitment and costs will be indicated. Discussion will include the possible formation of a working group to review the possibilities and make recommendations as to priorities for digitization initiatives for IAMSLIC.

Information Services of the Flanders Marine Institute

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The Status of User Services Provision to Research Scientists in Ghana: A Case Study of Services provided by the Water Research Institute, Ghana

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Scientists cannot function properly without their reliance on information like the study supply of books, journals and other forms of information exchange systems. The Water Research Institute has the mandate to undertake research into water and water-related resources of Ghana. In pursuance of this mandate, WRI generates and provides scientific information, strategies and services towards the rational development, utilization and management of the water resources of Ghana needed for the socio-economic advancement of the country. The Water Research Library's first and utmost function therefore is to make provision for the needed research materials and documents, organized and developed to support all research activities of the Institute. This paper focused on the range of user services provided by the library. It aimed at determining user satisfaction with the services provided and to identify the information needs not fully met by these services and thus determining how best to respond to these needs.

ODINAFRICA Project in Senegal: Some Data and Information Products for Users

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Coastal Aquatic Eutrophication

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[No abstract available]

The Marine Realms Information Bank: A Coastal and Marine Digital Library at USGS

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POSTER ABSTRACT: The Marine Realms Information Bank (MRIB) is a distributed geolibrary of the USGS Coastal and Marine Geology Program that 1) links information existing in distributed and independent sources and 2) prioritizes search and display of information by place (location on the Earth's surface). The MRIB aims to provide easy access to knowledge pertaining to the ocean and the associated atmospheric and terrestrial environments to scientists, decision-makers, and the interested members of the public. The MRIB is online at <http://mrib.usgs.gov>.

The Marine Protected Areas Virtual Library

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POSTER ABSTRACT: Marine Protected Areas in the United States had their regulatory inception with the promulgation of Executive Order 13158. NOAA was directed in that order to establish a National Marine Protected Area Center to provide federal and non-federal partners with the following foundation:

- Science behind MPAs
- Tools for assessment of economic impact and effectiveness of MPAs
- Strategies for enforcement of MPAs

Current, reliable information and a means of sharing that information are vital tools to building a national system of MPAs. The NMPA Center sought the assistance of NOAA's Central Library professional staff in 2000 to coordinate several types of MPA information resources. The MPA "virtual" library on the Center's web page (http://mpa.gov/mpaservices/mpa_library.html) is a focal point for all types of MPA information. The content is organized by the following resources:

- Bibliography- citations to articles, books, manuals, research papers, reports, and proceedings on MPAs.
- Institutions and Organizations -list of governmental and nongovernmental entities involved in research, analysis, and management of MPAs.
- MPA Web Sites – list of Web sites describing MPA programs, policy, and research.
- Conferences and Workshops- meetings that focus on the management and science of MPAs.

Each collection may be browsed separately, or the entire collection may be searched using the MPA Library Search.

Galactic Information Gathering for Internet Gadabouts and Google Geeks

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WWW based Union Catalogue of Marine Institutions participating in ODINAFRICA project using Inmagic

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ABSTRACT: Most of the marine science national libraries in Africa have not yet automated all records for their on-line search and acquisitions so the access via the Internet is not possible. This union catalogue, still in development in terms of record input contains records and covers, printed material acquired by the libraries in the institutions participating in the ODINAFRICA project covering 21 countries in Africa. The database is developed in Inmagic, previous records from individual institutions which were in CDS-ISIS and Filemaker are converted into Inmagic and merged into one database hosted at a server in IOC of UNESCO.

This online catalogue covers the majority of the printed collections. The search term facilities are possible and inclusion of Boolean operators and printing of the search results. The objectives are:

- One touch source for marine science information in Africa
- Enhance information sharing in Africa through ILL and document delivery.

Since libraries are responsible for collecting all publications issued in their respective countries. For this reason, the catalogue of a library is the best guide to publications issued in the country in question, and anyone wanting information on the publications which are held in marine science Institutions in Africa should make this WWW based catalogue the starting point of their search.

Reaching out to remote users: custom research tools for the UW's Friday Harbor Library

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ABSTRACT: The University of Washington's Friday Harbor Library is located in a remote marine laboratory facility in Washington's San Juan Islands. While the library is considered part of the large, research-institution sized UW Libraries, there is no librarian in residence for most of the year and the patrons must be assisted remotely from Seattle. This paper addresses specialized Web-based tools developed specifically for the faculty and researchers of the UW's Friday Harbor Library and the ways in which these tools have allowed the Friday Harbor Librarian to connect remote users to the collections and resources of the larger institution.

Enhancing Access to Electronic Publications in Tanzanian Universities

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ABSTRACT: Lack of access to current materials in libraries of universities and research institutions in developing countries is a major problem that hinders research and teaching. Interlibrary loans and document delivery projects have not solved this problem by themselves. The Internet makes it possible for users to have access to electronic publications irrespective of their geographical location. The two government universities in Tanzania are all linked to the Internet and has access to electronic publications. The assumption then is that their faculty now have access to current information through the Internet. Research results show that in spite of the benefits of the Internet and access to electronic publications, its use among faculty is still very low. The main reasons for such a situation are discussed.

Mystic Seaport's *Nineteenth-Century Merchant Marine Digital Library*

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ABSTRACT: This collection funded by the Andrew W. Mellon Foundation is a digital repository of over 120,000 pages of material available online. The project centers on merchant vessels of the nineteenth century, the people who owned and sailed them, and the records pertaining to them. Merchant ships were the backbone of the American economy and culture through the nineteenth century. They carried supplies, building materials, trade goods, and luxury items to and from ports throughout the country and the globe, and they brought millions of immigrants to this country. America's contact with the rest of the world, prior to transoceanic cable, was primarily maintained via the merchant marine. Merchant traders established cities, opened frontiers, negotiated alliances, and distributed ideas, culture, and technology. This presentation will concentrate on all aspects of the project from funding to scanning to presentation.

Teaching the Library Research Process: a Panel Discussion

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PANELISTS: Barbara Butler, Maureen Nolan, Joan Parker

ABSTRACT: A panel of librarians involved in teaching library research methods at the undergraduate, graduate or library school level will discuss instructional philosophies and strategies. Copies of course syllabi and assignments will be part of the discussion. Emphasis will be placed on sharing successes and generating ideas for improving future instructional activities.

Use and Management of Information Resources. A Reality?

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ABSTRACT: The needs of information in persons and institutions are growing day by day. The growth in specialization is forcing us to create better control of information. The subject is even more applicable to libraries because as those responsible, we have the challenge to take the greatest advantage of this information. It is important to keep in mind that everything is proportional since, if we have large amounts of information we also will need to increase our information technology, including hardware, software, human ware, etc. That's why we need to give a quick and clever solution to the need of each moment.

First, it is necessary to create the ties between the expert in information technology and the marine sciences user so he or she can appreciate the advantages of the new technologies in order to create an active user instead of being a passive one. The goal is to provide to users a global vision of the technologies and systems that we have. It will be good to prepare them for optimum use of the resources by workshops, manuals, courses, etc. which should be well oriented in function to the users' needs. Finally, we should work to understand and recognize the value of the trends of the new era of digital information, always seeking a greater commitment of the experts for the working-out of digital resources. This will allow us to improve the image of our library web page, which is extremely important for us because of the regional orientation.

Currently, we are working hard trying to improve the coverage, efficacy and efficiency of the regional library "Dra. Ma. Elena Caso Muñoz", through the implementation of an automated bibliographic information system, and also with the increase of the information available on the web about the bibliographic material and to provide a more efficient service to the community.

Currently we are working in a system that permits us to convert our information contained in a proprietary system to a system such as MicroIstis, one that will allow us to handle standard formats such as MARC and with more standard protocols, enable us to provide access to the catalog along with databases already distributed to colleagues of IAMSLIC that already provide this helpful service. There are a lot of things to do, but in accordance with the degree to which we can involve our users, authorities and colleagues, we will arrive in a safe port and succeed in all our goals as a team.

The Integrated Taxonomic Information System

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ABSTRACT: World biological communities are currently using ITIS. Taxonomists are contributing to ITIS. “Mother” ITIS is based in the National Museum of Natural History (with other bases in Canada and Mexico). So, when I discovered that the 3rd and revised edition of Using the Biological Literature by Diane Schmidt (Marcel-Dekker, 2002) made no mention of ITIS (the Integrated Taxonomic Information System), I knew it was time to go on the road to explain this extremely useful database. I plan to talk about the history of ITIS, its relationship to other databases, fields, who uses it and how, including its use by librarians. I will talk about the Taxonomic Workbench as a way for scientists to enter data into the system, and how ITIS can be downloaded into others’ databases to enhance their files.

Taxonomists, oceanographers, ecologists, and natural history librarians are often looking for accurate scientific and common species names, synonyms, taxon authors, etc. They often use in-print and online sources. I believe ITIS is the place to start. It is a dynamic (includes revisions), integrated, accessible, well-documented database and databank. It is web-based, so it has broad public access. By integrating the research results of the world taxonomic community into a current coherent list of biological names, it standardizes taxonomic vocabulary.

ITIS uses the traditional Linnean nomenclature system, (not a phylogenetic one) with a five kingdom hierarchical model- Protists (currently protistan names are in ITIS in other kingdoms), Monera, Fungi, Plants, and Animals. Thus it includes multi-taxa at one site. For those areas designated in the Contributions section of the database, it is more comprehensive and accurate than other sources. ITIS strives for data quality and includes quality indicators for credibility, completeness, and currency, and also provides sources (experts, references, databases) for the names, often not present in other databases. i.e. scientist and date of when first the specimen (type) was named, and often links to bibliographic references which can give the original descriptions for Animalia (not required for Plantae) of the taxon.

ITIS can be used at anywhere in the database management process: for collecting data/specimens, and cataloguing, querying, and archiving them. It can be incorporated into a bibliographic record, thus it helpful to librarians as well. ITIS has four gateways; each somewhat different: U.S. (Hawaii node planned), North American, Canadian, Mexican and others are under consideration. At present it uses three languages: English, French, and Spanish, with Portuguese under development. ITIS is an evolving, on-going effort. Because it cross-platforms- data can be shared, it can coalesce across time, geography, and organization. It is becoming the standard database for taxonomic information, and someday might become a one-stop shopper!

Trends in users and services at a fisheries library in South America

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POSTER ABSTRACT: This poster is a five-year evolution report of types of users and their information requirements, as well as the products and services offered by the INIDEP Library (National Institute of Fisheries Research and Development, Mar del Plata, Argentina). Economic, geographical, educational and technological factors, have affected the supply and demand of marine fisheries information in Argentina. New strategies such as topical research guides for remote users and e-awareness services for specific groups have been developed to manage this challenge. The benefits obtained via IAMSLIC cooperation for the INIDEP researchers, are also considered.

The MBL/WHOI Library Digital Herbarium

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ABSTRACT: The MBL/WHOI Library Digital Herbarium is a project to digitize the Library's herbarium collection of 8,000 specimens of marine algae and terrestrial plants. Images along with species and specimen-related data (such as collection information, ecological data, taxonomy, etc.) will be freely available on the Internet via a fully searchable database. This presentation will cover the evolution of the project, including the technical and botanical background of the current database, use of Dublin Core and MARC, highlighting use of the Endeavor's ImageServer and cataloging software. (Endeavor is a versatile software system used for online library catalogs.) Presenters will discuss using volunteers to digitize specimens. Presenters will demonstrate the database, showing examples of specimens and their concomitant data. Presenters will discuss current partnerships and potential avenues of research using the database.

Collaborative Filtering: Possibilities for Digital Libraries

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ABSTRACT: As librarians, we recognize that users seldom approach a research project with a clear search strategy thus we develop means to help them clarify their research objectives. However, our traditional methods do not translate well to the web environment, while at the same time demand for web access increases. Addressing this challenge, the OSU Libraries and the Department of Computer Science are collaborating on the development of two test beds to investigate interfaces that will lead users to web resources that are valuable and useful by using collaborative filtering recommendation technology. Collaborative filtering allows an information portal to continually learn what resources are likely to be useful to which users (and which questions) by observing search patterns as well as explicit recommendations from users. The first test bed, the Tsunami Digital Library, is a portal to websites with relevant and authoritative information on tsunamis with an interface aimed at both researchers and the general public. The second test bed is a search and recommendation portal interface to the OSU Libraries' web resources. In addition to discussing the approach and the testbeds, we will discuss experimental results that show that users respond favorably to recommendations.

The Everglades Information Network

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The Everglades Information Network (<http://everglades.fiu.edu>) is a collaborative project of Florida International University and numerous other organizations and agencies, including Everglades National Park, University of Miami and the Historic Association of Southern Florida. The Everglades Information Network serves researchers, students of all ages, decision makers, and interested people from Florida, the United States, and the world. This presentation will introduce and describe the service, the successes and challenges of the project, and its future path.

The following services are offered by EIN:

Ask an Everglades Librarian provides a link to a "live chat" with the librarian, and a link to send an inquiry via email.

Everglades Digital Library is an online collection of documents relating to the environment and history of South Florida.

Everglades Online is a searchable database which provides access to the online collection in the Everglades Digital Library and other electronic sources, as well as to print material.

The Galveston Bay Information Center Revisited, 14 Years Later

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POSTER ABSTRACT: The original grant for the Galveston Bay Information Center began in 1989 with funding from the Galveston Bay National Estuary Program. Two subgrants were included: one to set up a bibliography about Galveston Bay; and the other to set up an Information Center. The emphasis was on collecting "gray literature" about the Bay and making it accessible through one searching location (the bibliography) and for most of the cited literature, physical copies available in the Information Center along with staff to supply information. I received the original grant and ran the GBIC through 1992 when another full time staff member took it over. She ran the project for 10 years; at which point it came back to me in 2002 and I have been administering it since. The funding now comes through a state agency: Texas Commission on Environmental Quality. GBIC benefits Texas A&M University at Galveston through its collection and knowledgeable staff, and TCEQ (Galveston Bay Estuary Program) by making University resources and the GBIC collection publicly available. GBIC puts me in close contact with our research staff and computing services as a learning experience in cooperative information gathering, archiving, and distribution. I will share those experiences in my poster session.