Realizing the research library - data center alliance

Rajendra (Raj) Bose
Center for Digital Research and Scholarship
Columbia University

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Lamont-Doherty Earth Observatory (LDEO)
- Biology and Paleo Environment
- Geochemistry
- Marine Geology and Geophysics
- Ocean and Climate Physics
- Seismology, Geology and Tectonophysics

Center for International Earth Science Information Network

Columbia University Medical Center

Columbia University Main Campus
GIS Data

More about GIS Data at NGDC

Bathymetry of Lake Ontario, 2001

Bathymetric contours for Lake Ontario in ASCII xyz format and gridded bathymetry in ASCII xyz, and GMT/netCDF format. Shaded relief color graphic images in JPG and GIF format.

Coastal Relief Model, Central Gulf of Mexico, Vol 4

3 arc-second gridded bathymetry data merged with USGS 3 arc-second topo data. Volume 4 covers the Central Gulf of Mexico between longitudes 87 and 94.

Coastal Relief Model, Continental US plus Hawaii and Puerto Rico on DVD

This single DVD contains gridded data for the entire coastal zone of the continental US plus Hawaii.
Edinburgh University Data Library

EDINA and University Data Library (EUDL) together are a division within Information Services of the University of Edinburgh.

The division has two roles, one for the University and one for UK Higher and Further Education.

The Data Library assists Edinburgh University users in the discovery, access, use and management of research datasets.

**EDINA** is a JISC-funded National Data Centre providing national online resources for education and research.

**Key Datasets:**

- British Household Panel Survey
- Census of Population for Scotland, 2001
- Datastream
- **Ordnance Survey Map Data via Digimap**
- Scottish Household Survey
Databases (reference works & indexes)
Periodical indexes & abstracts, directories, encyclopedias, dictionaries, other reference works.

E-Journals
Electronic journals, and links to e-journal collections like JSTOR, Project Muse, ScienceDirect.

E-Books
Links to collections of full-text books like Books24x7, Early English Books Online, NetLibrary.

E-News
News resources like LexisNexis and Factiva, and links to local, national, and international newspapers.

E-Images

E-Music

Data/GIS
Numeric and geo-spatial data suitable for those interested in using either statistical or GIS software.

See the newest E-Resources

Academic Commons
Online access to Columbia dissertations, working papers, proceedings, etc.

Digital Library Projects
A selection of Columbia digital projects and initiatives.

Electronic Exhibitions
Selected virtual exhibition catalogs featuring important materials from the collections of Columbia's libraries.

Subject Guides
Subject-focused guides to digital and print resources, e.g., African Studies, New York City, Women's Studies.

Web Search Tools
Internet search tools like About.com, Google, Yahoo.
Your search returned 1508

**Sudan Landcover**

**Author**  Sudan National Survey Authority  
**Year** 2007  
**Abstract**  Sudan Landcover is a raster theme representing land cover classifications throughout Sudan at a resolution of 30 arc seconds. This layer is a component of the Global Map a 1:1,000,000 scale framework...more...  
**Keywords**  imagery, BaseMaps, EarthCover, Landcover, Sudan, 2007  
**Suggested Citation**  Sudan National Survey Authority 2007. Sudan Landcover Khartoum: Sudan National Survey Authority  
**Available at:**  [https://www1.columbia.edu/sec/acis/eds/dgates/studies/C1301/data/SudanLandcover.zip](https://www1.columbia.edu/sec/acis/eds/dgates/studies/C1301/data/SudanLandcover.zip)
SEDAC Dataset Catalog

GIS Compatible Datasets

Archive of Census Related Products (ACRP): 1990 Public Use Microdata Sample Areas (PUMA) Boundary Files
Archive of Census Related Products (ACRP): 1992 Boundary Files
Central American Vegetation/Land Cover Classification and Conservation Status
China Dimensions Data Collection: China Administrative Regions GIS Data: 1:1M, County Level, 1 July 1990
China Dimensions Data Collection: China Administrative Regions GIS Data: 1:1M, County Level, 1990
Atlasts & Maps


Conference Proceedings

http://portal.acm.org/citation.cfm?dici=637201.637240


Journal Articles


SEDAC Long-Term Archive Mission

The SEDAC Long-Term Archive acquires, preserves, and maintains the content of selected high-quality data, data products, documentation, and services relevant to human dimensions of global change in a digital form to support the discovery, access, and use of archived resources by scientific, educational, and decision-making communities for at least the next 50 years.

Managing research data

- Repositories for long-term data storage, curation, discovery
- Research tools: Online collaboration, data-sharing and communication spaces for “sustaining ongoing conversations”
- Scholarly communication policy

- Digital preservation and conversion
- Copyright advice

- Libraries/Information Services and CIESIN partnership: informatics research re: university/data center collaboration
- e-Science/Cyberinfrastructure Task Force
What is eGY?

The Electronic Geophysical Year, 2007-2008 (eGY) is:

• an internationally-recognized resolve by the science community to achieve a step increase in making past, present, and future geoscientific data readily, rapidly, conveniently, and openly available;

• an International Council for Science-endorsed initiative of the International Union of Geodesy and Geophysics (IUGG);

• supported by in-kind contributions from participating agencies and by grants from NASA and the US National Science Foundation.
What is eGY?

The Electronic Geophysical Year, 2007-2008 (eGY) is:

• an opportunity for the international geoscientific community to focus effort on a 21st Century e-Science approach to issues of data stewardship: open access to data, data preservation, data discovery, data rescue, capacity building, and outreach.
eGY embraces and extends IGY principles...

International cooperation and data sharing
Universal access to data and information
Timely and convenient access to data
Global, cross-disciplinary scope
Data preservation
Capacity building, especially in developing countries
Education, public outreach, information for decision making
structure

Secretariat (at LASP, Univ. Colorado)
  Director: Dan Baker, Laboratory for Atmospheric and Space Physics (LASP)
  Secretary: Bill Peterson (LASP)
  Communications: Marissa Rusinek
  Public Relations and E/PO: Emily CoBabe-Ammann

International Committee
  Chair: Charlie Barton (Australian National University)
  Representatives from key participants and countries

Thematic Working Groups
  Virtual Observatories: Peter Fox (NCAR)
  Data Integration & Knowledge Discovery: Paul Berkman
  Best Practice (joint with CODATA): Herb Kroehl, Jean Bonnin
  Data Rescue and Preservation: Jeff Love (USGS)
  Education and Public Outreach: Emily CoBabe-Ammann
American Geophysical Union (AGU) 
Fall Meeting 
15-19 December 2008 
San Francisco 

Union Session U8: 
The Library - Data Center Alliance in Earth and Space Sciences
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