

**ANTARCTIC TREATY SEARCHABLE DATABASE CASE
STUDY FOR INTERPARES 2**



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The International Research on Permanent Authentic Records in Electronic Systems InterPARES 2 Project Experiential, Interactive, Dynamic Records

The project aims to develop and articulate the concepts, principles, criteria and methods that can ensure:

- the creation and maintenance of accurate and reliable records;**
- long-term preservation of authentic records in the context of artistic, scientific and government activities that are conducted using experiential, interactive and dynamic computer technology.**



THE NATIONAL SCIENCE DIGITAL LIBRARY

Marine Mammal Commission



*“The panel viewed the **groundbreaking capability** of the software...”*

- National Science Foundation Review Panel 2002 -

OBJECTIVES OF THE *ANTARCTIC TREATY* *SEARCHABLE DATABASE CASE STUDY*

What are the (a) administrative and (b) technical challenges of repurposing public-domain records in digital formats?

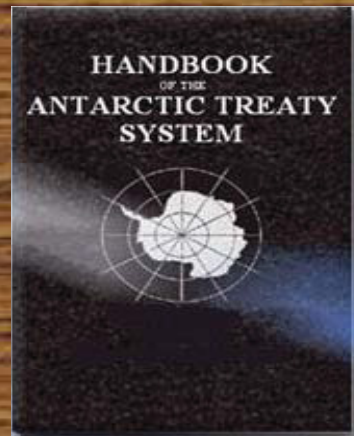
What are the benefits and limitations of accessing, searching and discovering knowledge from digital records that are tagged with current metadata schema?

How can the increased granularity of digital records facilitate the discovery of relationships within and between policy documents?

What are the (a) functional and (b) conceptual challenges of modeling the creation and preservation of digital records?

ANTARCTIC TREATY SEARCHABLE DATABASE





PAPER-PARADIGM 'PDF' FILES FROM THE UNITED STATES DEPARTMENT OF STATE

Chapter I -- Foreword to the Ninth Edition

Chapter II -- The Antarctic Treaty System: Introduction

Chapter III -- Operation of the Antarctic Treaty System

Chapter IV -- Inspections Under Article VII of the Treaty

Chapter V -- Exchanges of Information, Including Data Management

Chapter VI -- Scientific Cooperation

Chapter VII -- Logistical and Operational Issues

Chapter VIII -- Tourism and Other Non-governmental Activities

Chapter IX -- Conservation of Antarctic Seals: CCAS

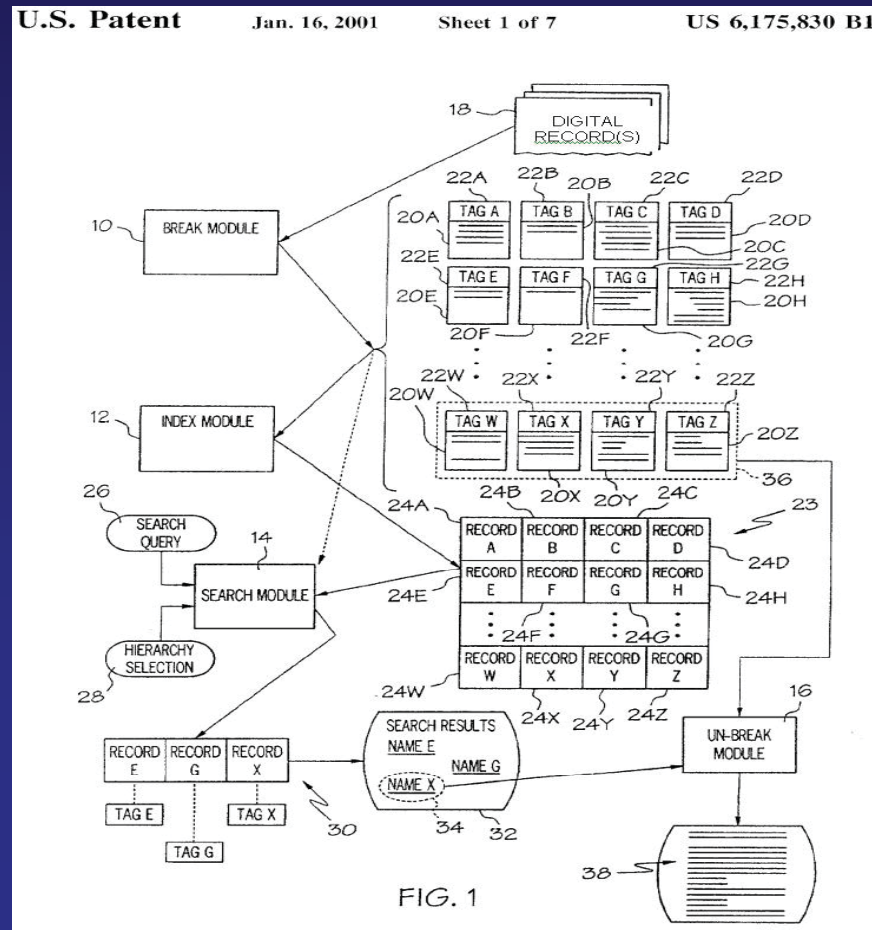
Chapter X -- Conservation of Antarctic Marine Living Resources: CCAMLR

Chapter XI -- Regulation of Antarctic Mineral Resource Activities: CRAMRA

Chapter XII -- Protection of the Antarctic Environment

EvREsearch[®] Digital Integration System[™] (DIGIN[™])

“Information Management, Retrieval and Display Systems and Associated Methods”



**WEBSITE LINKS TO THE
ANTARCTIC TREATY SEARCHABLE DATABASE
(<http://webhost.nvi.net/aspire>)**

American Society of International Law (Antarctic Law Interest Group)
<http://users.erols.com/jackbobo/>

Antarctic Circle
<http://www.antarctic-circle.org/website.htm>

Antarctic Southern Ocean Coalition
<http://www.asoc.org/links.htm>

Antarctic Treaty Consultative Meeting XXIV (St. Petersburg, Russia)
<http://www.24atcm.mid.ru/>

Antarctic Treaty Consultative Meeting XXV (Warsaw, Poland)
<http://www.25atcm.gov.pl>

Antarctic Treaty Secretariat
<http://www.ats.org.ar/links.htm>

Arctic Council
<http://www.arctic-council.org/environmental-links.html>

Australian Antarctic Division
<http://www-aadc.antdiv.gov.au/>
<http://www-old.aad.gov.au/environment/Links/default.asp>

Canadian Department of Foreign Affairs and International Trade
<http://www.dfait-maect.gc.ca/circumpolar/antarctica-en.asp>

Chronicle of Higher Education
<http://chronicle.com/free/it/insitesarch1999.htm>

Digital Library for Earth System Education
<http://www.dlese.org>

Environment Canada
http://www.ec.gc.ca/international/regorqs/antarctic/links_e.htm

French National Sea-Centre
(<http://www.nausicaa-sea-centres.com/LIENS/ENVRNMNT.html>)

George Washington University Law School
<http://www.law.gwu.edu/bums/research/intl/env.htm>

International Association of Antarctica Tour Operators
<http://www.iaato.org/>

International Law Resources
http://www.internationallawhelp.com/links_page.htm

International Polar Heritage Committee
<http://www.polarheritage.com/index.cfm/RefmatOtherPolar>

Joint Committee on Antarctic Data Management
<http://www.jcadm.scar.org/links1.html>

Journal of Earth System Science Education
<http://jesse.usra.edu/archive/jesse01-400-04/>

Kaiser Family Foundation
<http://www.kff.org/about/henrykaiser.cfm?RenderForPrint=1>

Katholieke Universiteit Leuven
<http://www.kuleuven.ac.be/iir/linkse.htm>

Library of Congress
www.loc.gov/r/international/frd/government_law.htm

National Academy of Sciences (Polar Research Board)
http://www7.nationalacademies.org/prb/Arctic_and_Antarctic_Links.html

National Aeronautics and Space Administration
<http://www.earth.nasa.gov/education/edreports/eseedmay01.html>
<http://igloo.gsfc.nasa.gov/wais/linklist.html>

National Broadcasting Corporation Internet
http://members.nbci.com/onslow_2000/antarctica.htm

National Science Foundation (McMurdo - LTER)
<http://huey.colorado.edu/LTER/links.html>

Ohio State University (Office of University Relations)
<http://www.osu.edu/oncampus/v29n3/research.html>

Oxford University
<http://www.oup.uk/pdf/bt/cassese/cases/part1/ch03/614.pdf>

Scientific Committee on Antarctic Research
http://www.scar.org/antarctic_websites.htm

Scripps Institution of Oceanography Library (Diving Under Ice)
<http://scilib.ucsd.edu/sio/nsf/diving/index6.html>

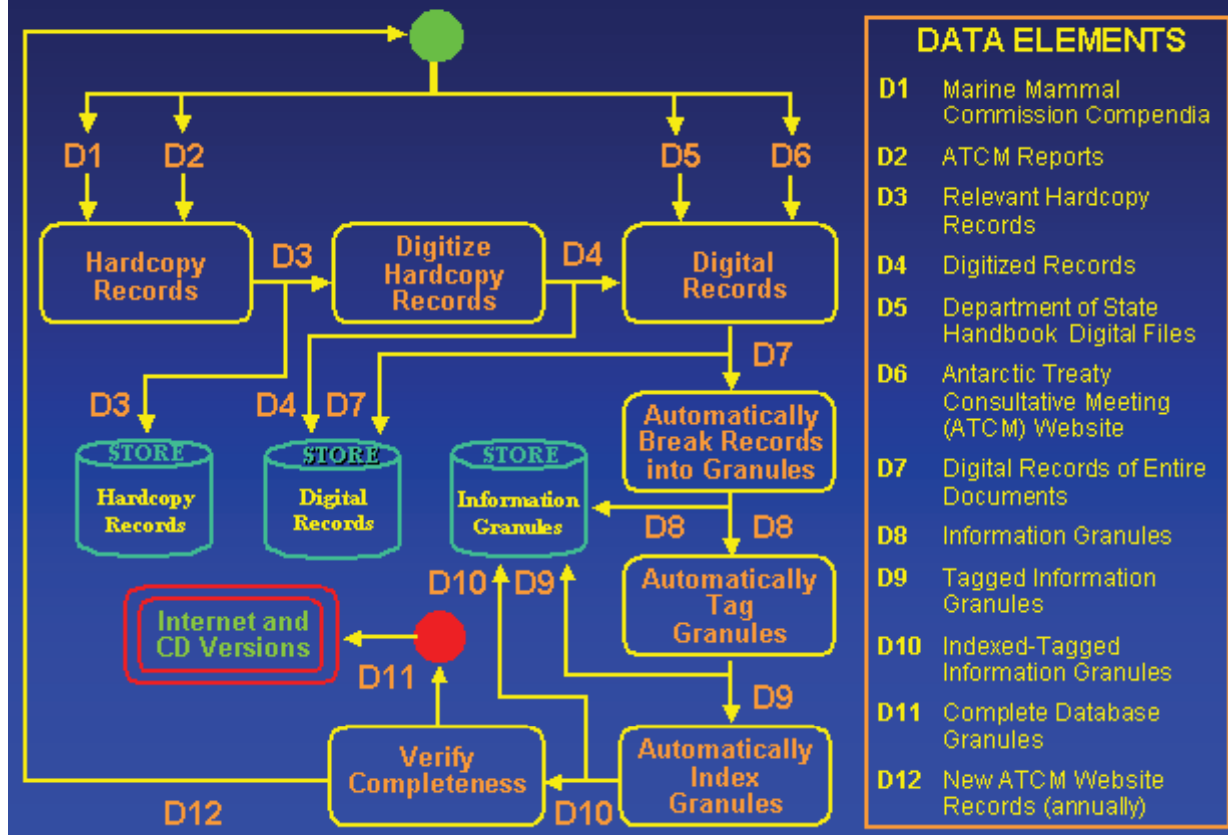
Texas A&M University
http://www.gerg.tamu.edu/antarctica/menu_links/links.htm

Tour Operators
www.toursinfo.com/Antartica/tour_operators.htm

Universität Frieberg
http://www.geographie.uni-freiburg.de/ipq/forschung/ap3/antarctica/links/links_r.html

Universities Space Research Association (Earth System Science Education program)
<http://www.usra.edu/esse/esse2000/mtqlinks.html>

Data-Flow Diagram



DATA ELEMENTS

- D1** Marine Mammal Commission Compendia
- D2** ATCM Reports
- D3** Relevant Hardcopy Records
- D4** Digitized Records
- D5** Department of State Handbook Digital Files
- D6** Antarctic Treaty Consultative Meeting (ATCM) Website
- D7** Digital Records of Entire Documents
- D8** Information Granules
- D9** Tagged Information Granules
- D10** Indexed-Tagged Information Granules
- D11** Complete Database Granules
- D12** New ATCM Website Records (annually)

Activity-Flow Diagram

