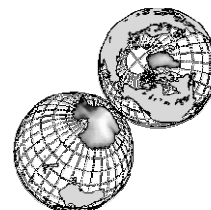


21st Polar Libraries Colloquy

Building Polar Networks

ROME, 8 – 12 May 2006





CONFERENCE INFORMATION

Date and venue

8-12 May 2006 at the Conference Room of the National
Research Council – CNR
Piazzale Aldo Moro n. 7, Rome, Italy

Language

The official language of the conference will be English

Computers

Two computers with Internet access will be available at the
conference venue

Contact persons

Silvia Sarti

Michela Cecconi

PNRA Library

Research Center ENEA Casaccia

Via Anguillarese 301

00060 - Rome (Italy)

Tel. (+39) 0630486498

Fax (+39) 0630484893

E-mail biblioteca@consorzio.pnra.it

Conference theme

Building Polar networks: a strategy for the future

Building network in the world of information has become nowadays a usual way of working and thinking. The need to share resources and the development of technological tools moves more and more towards cooperation.

Features of the information on the 21st century (huge production, increasing costs of purchase and management, difficulties in accessing non conventional channels) make impossible for a single library to satisfy all the users requirements.

On the other hand this is also the age of the development of information technologies that enable building systems for management, preservation and dissemination with higher and higher quality and quantity.

From these reasons library networks are arising: collective catalogues, bibliographic databases, networks for document delivery and interlibrary loan, consortia for acquisition and management of the electronic resources, open archives, networks for cooperation in the reference service, specialized gateways, and so on.

Colloquy organizers hope that the 21st PLC will be a chance of sharing experiences and building new polar networks.

Programme

MONDAY, MAY 8

Morning

- | | |
|------------------|---|
| 10.00 - 10.45 | Registration |
| 10.45 - 11.00 | Opening |
| 11.00 - 11.45 | Italian activities in Antarctica
Ivo Allegrini , Vice President PNRA S.c.r.l., Rome, Italy
Luana Testa , Scientific Program PNRA S.c.r.l., Rome, Italy |
| Session 1 | Chair: Dennis Stephens
Alaska Center for Horace Kephart Studies, Fairbanks, Alaska, USA |
| 11.45 - 12.15 | David H. Stam , Syracuse University, New York, USA
Deirdre C. Stam , Long Island University, New York, USA
<i>By sledge, ski and ship; early information networking in the cold regions</i> |
| 12.15 - 12.45 | Mary Katherine Jones , History Institute, University of Tromsø, Norway
<i>International networks for sharing Polar resources: in the beginning...</i> |
| 12.45 - 13.45 | Lunch |

Afternoon

- | | |
|---------------|---|
| 13.45 - 14.15 | Laura J. Kissel , Polar Curator, Byrd Polar Research Center Archival Program, Columbus (OH), USA
<i>Sharing the unsharable: classified documents in private archival collections</i> |
| 14.15 - 14.45 | Irene Piippola , County Library of Lapland, Rovaniemi, Finland
<i>Old maps of the North Calotte in the collection of the Provincial Library of Lapland, Rovaniemi</i> |
| 14.45 - 15.15 | Vibeke Sloth Jakobsen and Kirsten Klüver , Danish Polar Center, Copenhagen, Denmark
<i>Danmark Ekspeditionen 1906-1908: literature – archival material – photographs – links</i> |
| 15.15 - 15.30 | Coffee |
| 15.30 - 17.30 | UArctic librarians' Open Forum |

TUESDAY, MAY 9

Morning

Session 2

Chair: David Walton

British Antarctic Survey, Cambridge, UK

9.00 - 9.30

Nancy C. Liston, Cold Regions Research Engineering Laboratory, Hanover (NH), USA

Cold Regions Research & Engineering Laboratory Library – moving forward to seek collaborative alternatives

9.30 - 10.00

Sharon N. Tahirkheli, American Geological Institute, Alexandria, USA

Collaborative bibliographic development in the Cold Regions Bibliography Project

10.00 - 10.30

Paolo Plini, CNR Institute for Atmospheric Pollution, EKOLab, Rome, Italy

Rosamaria Salvatori, CNR Institute for Atmospheric Pollution, Remote Sensing Laboratory, Rome, Italy

Mauro Valt, ARPAV Arabba Avalanche Centre, Belluno, Italy

Valentina De Santis, CNR Institute for Atmospheric Pollution, EKOLab, Rome, Italy

SnowTerm: a terminology database on snow and ice

10.30 - 10.45

Coffee

Session 3

Chair: Berit Jakobsen

University Centre in Svalbard (UNIS), Longyearbyen, Norway

10.45 - 11.15

Ross Goodwin, Arctic Institute of North America, University of Calgary, Canada

Sharon N. Tahirkheli, American Geological Institute, Alexandria, USA

Heather Lane, Scott Polar Research Institute, Cambridge, UK

Fred Durr, National Information Service Corporation, Baltimore (Maryland), USA

The International Polar Year Publications Database

11.15 - 11.45

Ruth Duerr, National Snow and Ice Data Center, University of Colorado, Boulder (CO), USA

Discovery and Access of Historic Literature of the IPY's (DAHLI): rescuing records and publications of early IPY ventures

11.45 - 12.30	Panel Discussion: <i>International Polar Year data and information management</i> Chair: Ross Goodwin , Arctic Institute of North America, University of Calgary Ruth Duerr , National Snow and Ice Data Center Heather Lane , Scott Polar Research Institute Nancy C. Liston , Cold Regions Research Engineering Laboratory
12.30 – 13.30	Lunch

Afternoon

14.00 - 16.00	Visit to the National Library
18.30 - 20.30	Colloquy Steering Committee supper meeting

WEDNESDAY, MAY 10

Morning

Session 4	Chair: Marcel Brannemann Alfred Wegener Institute, Bremerhaven, Germany
9.00 - 9.30	Pierre Beaudreau , Departmental Library, Indian and Northern Affairs Canada, Gatineau, Canada <i>Public enquiries and the special library: leveraging library resources to enhance the delivery of enquiry services to the public at Indian and Northern Affairs Canada</i>
9.30 - 10.00	Shelly Sommer , Institute for Arctic and Alpine Research, Boulder (CO), USA <i>Strengthening the library through user education</i>
10.00 - 10.30	Sandy Campbell and Weiwei Shi , Science and Technology Library, University of Alberta, Edmonton, Canada <i>Podcasts and Screencasts for delivery of Polar information literacy</i>
10.30 - 10.45	Coffee
10.45 - 11.00	William Mills Book Prize
11.00 - 11.30	Pierre Beaudreau , Departmental Library, Indian and Northern Affairs Canada, Gatineau, Canada <i>Introducing the new Polar Libraries Colloquy website</i>
11.30 - 12.30	Colloquy business meeting
12.30 - 13.30	Lunch

Afternoon

- Session 5** **Chair: Sharon N. Tahirkheli**
American Geological Institute, Alexandria, USA
- 13.45 - 14.15 **Steve Schafer**, Athabasca University, Canada
Providing digital resources in Polar libraries
- 14.15 - 14.45 **Anna Grazia Chiodetti**, National Institution of
Geophysics and Volcanology, Rome, Italy
*Earth-prints: a geoscience open archive for open-minded
geoscientists*
- 14.45 - 15.15 **Raimund E. Goerler**, Ohio State University Archives,
Columbus, USA
Lynn Lay, Goldthwait Polar Library, Byrd Polar
Research Center, Ohio State University, Columbus,
USA
*Polar librarians and archivists using a digital depository: the
Ohio State University experience*
- 15.15 - 15.30 Coffee
- 15.30 - 16.00 **Elena Benedetti et al.**, SIRIA Project, Italy
Information system for the Italian Polar research
- 16.00 - 16.30 **Mike Evans, Christopher Fletcher and Elaine
Maloney**, CCI Press, Canadian Circumpolar Institute,
University of Alberta, Edmonton, Canada
*The Role of the Academic Press: The Solstice Series.
Community-Based Research Presentation and
Dissemination. A Case Study*

THURSDAY, MAY 11

Morning

- Session 6** **Chair: Vibeke S. Jakobsen**
Danish Polar Center, Copenhagen, Denmark
- 9.00 - 9.30 **Michela Cecconi, Andrea Marchitelli and Silvia Sarti**,
Consortium for the Italian Antarctic Program (PNRA),
Rome, Italy
*From a collective catalogue (ACNP) to the Network Inter-
Library Document Exchange (NILDE): a way to share
resources and to improve user services*
- 9.30 - 10.00 **Irina Merkina**, Polar Research Institute of Marine
Fisheries and Oceanography, Murmansk, Russia
*Polar Research Institute of Marine Fisheries and
Oceanography Library today*

10.00 - 10.30	Satu Hallikainen , County Library of Lapland, Rovaniemi, Finland <i>Building a sustainable library network and technology (e.g. KOHA) in the spirit of open standards, free software and open source</i>
10.30 - 10.45	Coffee
10.45 - 11.00	Announcements
Session 7	Chair: Andie Smithies Australian Antarctic Division, Kingston, Australia
11.00 - 11.30	Allaina Howard , National Snow and Ice Data Center, University of Colorado, Boulder (CO), USA Shelly Sommer , Institute for Arctic and Alpine Research, Boulder (CO), USA Gloria Hicks , National Snow and Ice Data Center, University of Colorado, Boulder (CO), USA <i>Can two nodes be a network? Cooperation helps two libraries provide better service</i>
11.30 - 12.00	David Ongley , Tuzzy Consortium Library, Barrow, Alaska, USA Julia Triplehorn , Keith B. Mather Library, University of Alaska, Fairbanks, Alaska, USA <i>BASC: a research center grows in Barrow. UAF's Geophysical Institute and Ilisagvik College's Tuzzy Consortium Library collude to provide state of the art library services to the Barrow Arctic Science Consortium</i>
12.00 - 12.30	Daria O. Carle , Consortium Library, University of Alaska Anchorage, Alaska, USA Juli Braund-Allen , Environment and Natural Resources Institute, Consortium Library, University of Alaska Anchorage, Alaska, USA Kathleen Murray , Health Sciences Information Service, University of Alaska Anchorage, Alaska, USA <i>A Northern network in the making: cooperation and collaboration in Anchorage, Alaska</i>
12.30 - 13.30	Lunch

Afternoon

14.00	Bus departs for the Italian Geographical Society
14.30 - 16.00	Visit to the Italian Geographical Society
16.00	Group picture

FRIDAY, MAY 12

Morning

Session 8	Chair: Ronald Inouye Fairbanks, Alaska, USA
9.00 - 9.30	Liisa Kurppa , Arctic Centre, University of Lapland, Rovaniemi, Finland <i>Barents Information Portal and its improvement</i>
9.30 - 10.00	Susan Grigg , Elmer E. Rasmuson Library, University of Alaska Fairbanks, Alaska, USA <i>Alaska's Digital Archives: From Vision to Reality</i>
10.00 - 10.30	Allaina Howard , National Snow and Ice Data Center, University of Colorado, Boulder (CO), USA <i>NOAA's Climate Database Modernization Program at the National Snow and Ice Data Center</i>
10.30 - 10.45	Coffee
10.45 - 11.00	Announcements
11.00 - 11.30	Mauro Alberti , Museo Nazionale dell'Antartide (MNA), Siena, Italy <i>The Italian Museo Nazionale dell'Antartide "Felice Ippolito"</i>
11.30 - 12.00	Film session: "Operation Tabarin in 1944-45"
12.00 - 12.30	Film session: "Knud"
12.30 - 13.30	Lunch

Afternoon

13.30 - 14.00	Film session: "Antarctica" and "Conserving Mawson's Huts"
14.00 - 14.30	Discussion period
14.30 - 15.00	Closing remarks
17.00	Bus departs for the visit to the American Academy in Rome and the banquet
17.45 - 18.45	Visit to the American Academy
18.45	Drinks in the Mercedes and Sid R. Bass Garden of the American Academy
20.30	Banquet at Villa Aurelia

Abstracts of Papers

Session 1

By sledge, ski and ship; early information networking in the cold regions

David H. Stam, *Syracuse University, New York, USA*, and **Deirdre C. Stam**, *Long Island University, New York, USA*

Although the terminology is new (“data networks”, “document delivery”, and “information transfer”), the practice of sending information to, from, and around the polar regions has a long and engaging history. Beginning with the period of printing in western Europe, much of that history is preserved and available to us. Beyond their entertainment value, the stories of early transmissions of texts and images have importance for suggesting some consistent themes in information transfer on frozen seas and on vast, ice-ridden terrain. Specifically, these tales – especially from the 16th century to just before World War II – provide hints as to the constant issues of why information is valued in the far north; what forms of information are preferred; how information can be transmitted; and what difficulties arise in using such information in the unique situation of extreme cold, long periods of daylong dark and light, scarce populations, and minimal or indirect access to social institutions. To believe that providing high-speed access to the internet provides an adequate answer to all of these questions ignores the subtleties of human information processing which in this context involve peculiar needs, anxieties, preferences, desires, practices, and uses in relation to information sources. This paper will review the pre-electronic history of information networking with an eye to identifying those characteristics – beyond the obvious factor of ice itself -- that seem unique to the cold regions.

International networks for sharing Polar resources: in the beginning ...

Mary Katherine Jones, *History Institute, University of Tromsø, Norway*

This paper will examine mutual awareness and forms of co-operation in polar research that were undertaken during the second half of the nineteenth century and the first two decades of the twentieth century. Swedish scientific expeditions to the Arctic from the 1850s onwards represented a departure from the purely territorial aims of polar exploration. National geographical societies were becoming established throughout Europe and further afield. In polar terms, this resulted in

geographical society journals chronicling international innovation for their readers in the form of book reviews, summarized translations of articles that had appeared in other journals, together with lists of literary references to published items and the contents of their own libraries. Other major innovations included the First International Polar Year (1881-1884) and the First International Congress for the Study of Polar Regions in 1905. This paper will attempt to illustrate the balance between a genuine desire to promote international knowledge objectively and the growing influence of nationalism on polar exploration during this period.

Sharing the unsharable: classified documents in private archival collections

Laura J. Kissel, *Polar Curator, Byrd Polar Research Center Archival Program, Columbus (OH), USA*

In the autumn of 2002, a visitor to the Ohio State University Archives using the Papers of Admiral Richard E. Byrd, brought to my attention a file of documents marked “confidential”. Upon further investigation, I noted that there were other “classified” marks on documents in this particular box. I began to investigate the procedures for having materials declassified. I discovered that the process to declassify materials in a private collection, such as the Byrd Papers, was, at best, confusing and ambiguous. These documents were nearly 60 years old. Certainly by now, it would be safe to assume that they were declassified, right? WRONG! This paper will attempt to clarify the procedures for archivists when classified documents are discovered in private archival collections, using the experience with the Byrd Papers as a case study.

Old maps of the North Calotte in the collection of the Provincial Library of Lapland, Rovaniemi

Irene Piippola, *County Library of Lapland, Rovaniemi, Finland*

The old map collection of fifteen maps and one atlas represents Lapland and the Arctic region of the Nordic countries published in the 16th, 17th and 18th centuries. During these centuries Terra incognita was given more accurate and precise outlines to become the exotic Ultima Thule. The geography of the 16th century is represented by Olaus Magnus and the maps of Abraham Ortelius depicting Northern Europe. Olaus Magnus published the extensive history of the northern people *Historia de gentibus*

septentrionalibus 1555 and Carta Marina was the preliminary work of his book. It was completed in Venice in 1539 and it became the main source for maps of the area until 1626 when Anders Bure's map *Orbis arctoi nova et accurata delineatio* was published. Old maps' [www-cartography](http://www-cartography.com) pages are one part of the larger *Travellers in Lapland* –website in several languages: <http://www.rovaniemi.fi/lapinkavijat>

Danmark Ekspeditionen 1906-1908: literature – archival material – photographs – links

Vibeke Sloth Jakobsen and **Kirsten Klüver**, *Danish Polar Center, Copenhagen, Denmark*

In remembrance of the Danish exploring and scientific expedition “Danmark Ekspeditionen” 1906-08, the Polar Library has gathered material about the expedition found in the collections of the Danish Polar Center, the Arctic Institute and the Department of Eskimology and Arctic Studies. The expedition's aim was to explore the almost completely unknown stretch of the coast of northeast Greenland and to carry out an extensive scientific programme. The expedition succeeded in completing the outline mapping of the coast, and the scientific programme achieved considerable results within geophysical and biological sciences. There was however a tragic dimension to the expedition, as the leader L. Mylius-Erichsen and his party perished while trying to return to winter camp after exploring the Independence Fiord. A search party found the body of the Greenlander Jørgen Brønlund, and from his notes learned that the two other members of the party L. Mylius-Erichsen and N.P. Høeg-Hagen had died earlier. The bodies and the notebooks of the latter have never been found, in spite of several search parties over the past 100 years.

The Polar Library is creating a web page to simplify access to the material. This will include a link to the published material about the expedition, the scientific results, and the reports from a number of search parties, found in the library database. Another link will access the photographic material from the expedition found in the database with Arctic photographs. A digitalized version of the register of archival material from the “Danmark-Ekspedition” found in the Arctic Institute's historic archive, will be made available. These records include letters and diaries from several of the expedition members. Finally the page will include links to other Danish collections holding material from the expedition and the exhibitions and events commemorating the centenary.

Cold Regions Research & Engineering Laboratory Library – moving forward to seek collaborative alternatives

Nancy C. Liston, *Cold Regions Research Engineering Laboratory, Hanover (NH), USA*

The Cold Regions Research & Engineering Laboratory (CRREL) Library, Hanover NH is the co sponsor with the National Science Foundation of the Bibliography on Cold Regions Science & Technology. The Bibliography on Cold Regions Science & Technology has the most comprehensive both historically and currently collection of scientific references. Most of the material through 1999 is on microfiche that is deteriorating. How do we preserve this collection within the confines of Copyright laws and yet provide the broadest access to the international polar community. Digitization, e-journals, partnerships and good intentions will be discussed. Shared responsibility with the American Geological Institute who currently prepared the Bibliography and the National Science Foundation who co-sponsors the Bibliography with CRREL are stakeholders in what comes next.

Collaborative bibliographic development in the Cold Regions Bibliography Project

Sharon N. Tahirkheli, *American Geological Institute, Alexandria, USA*

The Cold Regions Bibliography Project (CRBP) produces two bibliographies, the *Bibliography on Cold Regions Science and Technology* and the *Antarctic Bibliography*. The bibliographies are compiled at a small office near Washington, DC. Compilation of these two bibliographies is only possible through the fostering of networks to capture the publications and produce the bibliographic citations. Formal support, (including financial support and access to publications) for the CRBP comes from the U.S. National Science Foundation and the U. S. Army Corps of Engineers, Cold Regions Research and Engineering Laboratory library. A major objective of the Project in recent years has been the development of collaborations with organizations involved in polar research to share the bibliographic burden and increase the breadth of coverage of the Bibliographies. The primary collaboration with the Scott Polar Research Institute has been immensely successful and involves the creation of complete bibliographic records. New forms of networks are developing directly with publishers with support for metadata creation and document delivery services.

SnowTerm: a terminology database on snow and ice

Paolo Plini, CNR Institute for Atmospheric Pollution, EKOLab, Rome, Italy, **Rosamaria Salvatori**, CNR Institute for Atmospheric Pollution, Remote Sensing Laboratory, Rome, Italy, **Mauro Valt**, ARPAV Arabba Avalanche Centre, Belluno, Italy, and **Valentina De Santis**, CNR Institute for Atmospheric Pollution, EKOLab, Rome, Italy

SnowTerm is an example of a structured reference multilingual scientific and technical vocabulary, covering the terminology of a specific knowledge domain in the polar and the mountain environment. The thematic areas, covered at present, deal with snow and ice physics, snow and ice morphology, snow and ice radiometry, remote sensing and GIS in cryosphere environment, sea ice, avalanches, glaciers.

The methodology used includes the identification, acquisition and harmonisation of controlled multilingual terminologies and the development of a complete basic reference list of terms in English, partially multilingual.

At present the database contains around 2.500 terms.

For the vertical structure we adopted the Classification Scheme already in use for the development of the CNR EARTH Thesaurus. The hierarchical setup is based on facets; according to its intrinsic features, the structure can be used as a semantic reference system, stable and partially independent from the context.

We are also implementing a thematic structure that will cluster the terms in themes representing specific sectors; the possibility of applying different thematic schemes could allow the exploration of concepts according to different perspectives, which may emphasize particular and contingent aspects.

Session 3

The International Polar Year Publications Database

Ross Goodwin, Arctic Institute of North America, University of Calgary, Canada, **Sharon N. Tahirkheli**, American Geological Institute, Alexandria, USA, **Heather Lane**, Scott Polar Research Institute, Cambridge, UK, and **Fred Durr**, National Information Service Corporation, Baltimore (Maryland), USA

The International Polar Year Publications Database (IPYPD) will attempt to identify and index all publications that result from the International Polar Year 2007-2008 (IPY). The IPYPD network includes the Arctic Science and Technology Information System (ASTIS), the Cold Regions Bibliography Project (CRBP), the Scott Polar Research Institute (SPRI) Library and National Information Services Corporation (NISC).

The IPYPD will be part of the IPY Data and Information Service (IPYDIS), led by the National Snow and Ice Data Center at the University of Colorado, and will use the IPY Data Policy to require researchers to report their publications. Depending on their subject and geographic scope, IPY publications will be reported to ASTIS, CRBP or the SPRI Library. These three organizations will prepare records in their usual ways for use in their existing databases, but will tag IPY records so that they can be identified. NISC will include all records from the three organizations in the Arctic & Antarctic Regions database as usual, but will then copy the tagged IPY records to create a separate IPY Publications Database. The members of the IPYPD network are currently fundraising for the project.

Discovery and Access of Historic Literature of the IPY's (DAHLI): rescuing records and publications of early IPY ventures

Ruth Duerr, *National Snow and Ice Data Center, University of Colorado, Boulder (CO), USA*

In January 2005 the National Snow and Ice Data Center, in conjunction with a global collaboration of libraries, archives, and other institutions that specialize in polar research literature, submitted an Expression of Intent (EoI) to provide online access to "grey" literature from the first three International Polar Years. Many of the publications and associated data from prior IPYs are very difficult to access - few copies exist, materials are scattered at a variety of sites around the world, and most of the materials are not available online. The intent of the EoI is to change that situation by creating a searchable portal to materials from prior IPYs. The EoI was approved by the ICSU, WMO Joint Committee for IPY. In the year since submission of the EoI, NSIDC has had both successes and failures in moving this project forward. During this presentation, we will discuss the current status of the project and plans for moving forward, as we will solicit input from and participation by the broader community.

Session 4

Public enquiries and the special library: leveraging library and contact centre resources to enhance the delivery of enquiry services to the public at Indian and Northern Affairs Canada (INAC)

Pierre Beaudreau, *Departmental Library, Indian and Northern Affairs Canada, Gatineau, Canada*

The Departmental Library at INAC is responsible for providing general enquiries services to the public in addition to traditional and electronic library services to staff and researchers. Due to the vast administrative mandate of the department (responsibility for municipal and provincial-like services for First Nations people on-reserve as well as an evolving responsibility for the North), both the Reference Librarian and the Public Enquiries officer at INAC face a wide variety of questions and requests for information on a daily basis. Although many of the enquiries are routine, a significant number are unique and require some research or follow-up, whether by an Enquiries officer, a Librarian, or a departmental program expert. This paper will look at the various ways the Departmental Library at INAC is leveraging both library and public enquiries contact centre resources to enhance and facilitate the delivery of general enquiries services to the public.

Strengthening the library through user education

Shelly Sommer, *Institute for Arctic and Alpine Research (INSTAAR), University of Colorado, Boulder (CO), USA*

The INSTAAR Information Center is a small library with a tiny budget. It is located on a very large campus with one of the strongest research library systems in the United States. To thrive - to survive, in fact - the Information Center needs to provide worthwhile, visible services to those in its institute. User education efforts have become an inexpensive way to make the Information Center more visible and reach out to new groups of library users. What began as a workshop or two on search skills has become an information literacy program. Workshops cover using library catalogs; how to get the most out of databases like GeoRef and Web of Science; how to search effectively using Google and other search engines; and tours through hidden web resources and portals. Our goal is to ensure that all INSTAAR students gain the information skills they need for good lifelong research habits. That is a tall order for a very basic program, and we have a long way to go. But in the meantime, we are attracting new people to the Information Center and cementing firmer relationships with our established users. A few lessons learned the hard way might help librarians in similar situations.

Podcasts and screencasts for delivery of Polar information literacy

Sandy Campbell and **Weiwei Shi**, *Science and Technology Library, Canadian Circumpolar Collection, University of Alberta, Edmonton, Canada*

With the development of inexpensive and easy to use software for the for the creation and Internet broadcast of audio and video files, “podcasts” and “screencasts”, it has become practical to create downloadable audio versions of library tours as well as narrated virtual tours and narrated virtual bibliographic instruction sessions. The products are easy to make and update and use common technologies for delivery. Using podcasts and screencasts, the Science and Technology Library at the University of Alberta has created an iPod tour of the Canadian Circumpolar Collection, a virtual tour of the Canadian Circumpolar Collection and a screencast “Introduction to the Polar Literature”. This session will introduce these tools, share techniques and consider the implications for circumpolar learners.

Introducing the new Polar Libraries Colloquy website

Pierre Beaudreau, *Departmental Library, Indian and Northern Affairs Canada, Gatineau, Canada*

This presentation will take delegates through the features of the redesigned Polar Libraries Colloquy website. Some of the new and exciting features include: a Weblog, a photo gallery, and a revolving photo feature. The PLC Weblog will provide ongoing news and information on polar issues that will be of interest to librarians and others concerned with the collection, preservation, and dissemination of polar information. The photo gallery will show photos taken of member libraries, members at Colloquies, scenery and other subjects of interest. The Revolving photo will display beautiful scenes from both poles at the top of the web page and will change each time the page is reloaded. This project is a joint initiative of the Departmental Library, Indian and Northern Affairs Canada and the Arctic Centre, University of Lapland.

Providing digital resources in Polar libraries

Steve Schafer, Athabasca University, Canada

Digital resources are increasingly becoming the norm in many libraries. Licensed databases, online resources, and digitization projects are terms commonly used in most academic libraries.

Handheld gaming devices are increasingly being used by our children, most of who do not know anything about the period of time referred to as “pre-Internet”. My kids (and I expect yours) are actively engaged in the use of computers, video gaming, and handheld devices. Combine the trend of playing video games and the use of handheld devices with increased growth in distance education, and the result is exciting respecting how library services might look in the not so distant future.

Athabasca University Library has recently developed two initiatives that may be of particularly interest to institutions in the polar region. First, the Digital Reading Room (DRR) for the use of providing electronic course reserves to AU students. The DRR was envisioned and developed primarily for use by Athabasca University. The model could easily be scaled to provide a technological environment for the development of a repository of polar resources (in a variety of formats) of interest to the polar library community. Secondly, AU is experimenting with the development of a digital repository called AUSpace. Using dSpace software, a digital repository of polar materials may be developed called PolarSpace.

The presenter will discuss a number of options that the polar library community may wish to consider:

- ? Developing a digital collection of unique resources of interest to and for use by the polar community – for a repository called PolarSpace;
- ? Sharing digital materials about the polar community – demonstrating design and functionality of the DRR to accommodate resources in various formats (i.e., text, audio, and video);
- ? Cooperating in the provision of library services to students in the polar community.

Earth-prints: a geoscience open archive for open-minded geoscientists

Anna Grazia Chiodetti, National Institute of Geophysics and Volcanology, Rome, Italy

www.earth-prints.org aims to satisfy the increasing demand of fast, up-to-date, easy-accessible, and free-of-charge sources of information in all branches of Geosciences. It allows earth scientists to deposit electronic documents into its collections and to index them by subjects and keywords. Earth-prints provides a time-stamp to all deposited materials to insure

precedence rights to original ideas and scientific results. It deals with copyright issues through Creative Commons standards that offer a wide variety of licenses. All deposited material is made immediately available to the public. Subscribers will be sent a daily newsletter according to the topics they have signed in.

The archive has a three-level hierarchical structure. The top level includes Atmosphere, Cryosphere, Hydrosphere, Solid Earth, and General. It then branches into several disciplines within the other two levels. Different collections take in different kinds of material, such as pre-prints, oral presentations, extended abstracts, published papers, conference papers, books and book chapters, posters, and Web products and databases. Earth-Prints main language is English but it accepts documents in other languages also, giving visibility to data and studies at local scale that are indeed of general interests. An abstract in English is always required.

We will present a virtual tour into the many features of Earth-prints to provide all its potential users with an easy acquaintance of the system and make them explore its capabilities.

Although the archive is based on latest information technology it requires no specific knowledge to be used because it manages all procedures for access, navigation, upload of documents and information retrieval through a user-friendly interface.

What is the limit of open archive development? We think that the one and only limit of open archives is the eagerness of its users to share information and knowledge.

Polar librarians and archivists using a digital depository: the Ohio State University experience

Raimund E. Goerler, *Ohio State University Archives, Columbus, USA*, **Lynn Lay**, *Goldthwait Polar Library, Byrd Polar Research Center, Ohio State University, Columbus, USA*

For many years, digital media has been the most popular vehicle for data collection, scholar communication, and even memorialization. Librarians and archivists know that digital media challenges them to preserve and to provide access. Recently, in the last five years or so, several institutions and organizations have been developing digital repositories for preservation and access. This paper will discuss the digital repository at the Ohio State University and its impact and potential for OSU's Polar Library and archival program.

Information system for the Italian Polar research

Elena Benedetti, Alessandro Damiani, Claudio Rafanelli, CNR – ISAC, Bologna, Italy, **Mario Castorina, Luana Testa**, ENEA Casaccia Research Center, **O. Salvetti, M. Martinelli**, CNR– ISTI, Pisa, Italy, **Marisa Storini**, INAF – IFSI, Rome, Italy, and **Vito Vitale**, CNR – ISAC, Bologna, Italy

Antarctic research involves interdisciplinary sciences, it is led in a multinational context and it is globally relevant for the international community. The involved scientific issues are increasingly large and complex, therefore it is of crucial importance to foster the cooperation among scientists and to guarantee them the access to metadata. The development of an Information System for the Italian Research in Antarctica (SIRIA) has started during 2003, aiming at collection, management and dissemination of the information on the scientific research projects, carried out in both Polar Regions and funded by the National Antarctic Research Program (PNRA) of Italy since its birth in 1985. SIRIA is a database of metadata, allowing anyone interested in polar sciences to get the basic information on the various research projects and results. The metadata currently used follow the structure of the standard introduced for geospatial data and elaborated by the European Committee for Standardization. This information system constitutes the National Antarctic Data Center (NADC) for Italy and belongs to the network established by the Joint Committee on Antarctic Data Management (JCADM) of the Scientific Committee on Antarctic Research/Council of Managers of National Antarctic Programs (SCAR/COMNAP) to promote the data management within the Antarctic scientific community according to the spirit of the Antarctic Treaty: “Scientific observations and results from Antarctica shall be exchanged and made freely available” (section III.1.c). This work describes the present status of the Italian Polar information system.

The Role of the Academic Press: The *Solstice Series*. Community-Based Research Presentation and Dissemination. A Case Study

Mike Evans, Christopher Fletcher and Elaine Maloney, CCI Press, Canadian Circumpolar Institute, University of Alberta, Edmonton, Canada

In this presentation, I provide a brief overview of the mandates and functions of university-based presses, and describe more specifically those of the CCI Press as a small-market academic publishing concern. The presentation outlines particular challenges in scholarly publishing, and describes approaches taken by CCI Press to address these challenges,

including models for the collaboration in publishing through partnerships, co-publishing arrangements, and consortia approaches. These and other trends aim at filling lacunae in publishing formats, with the ultimate goal of improved knowledge sharing with new information dissemination vehicles and methods of access. This first part of the presentation provides a context to profile the thinking behind a new publication initiative, the *Solstice Series*.

Community based research is one of the most important areas of work in the contemporary academy, but while the products of research still include scholarly papers, research reports, and policy recommendations directed towards specialist audiences, increasingly important audiences are the communities themselves. The form in which results are presented to communities – especially oral history research and that dealing with traditional knowledge systems --has not received the critical attention that practice has; the consequence is that the development, implementation, and evaluation of mechanisms for effective dissemination lags behind. Publications intended for wider audiences tend to be ad hoc documents with limited circulation and brief availability even within the communities for whom they are developed. Producing research results in a format that suits local interests and needs must take into account the specific contexts of the communities in question. The *Solstice Series*, an effort at regularization of currently “grey” material, and a vehicle for giving voice to communities in research, is tied directly to the academic approach of the institute. It involves a dialogue with communities and rigorous effort to shape publications to maximize local accessibility and pertinence. While scholarly standards and sensibilities remain important, the most important framework for evaluation of the publications is from the communities themselves.

Session 6

From a collective catalogue (ACNP) to the Network Inter-Library Document Exchange (NILDE): a way to share resources and to improve user services

Michela Cecconi, Andrea Marchitelli, and Silvia Sarti, Consortium for the Italian Antarctic Program (PNRA), Rome, Italy

This paper is about two important Italian web-resources for document delivery: ACNP (i.e. Archivio Collettivo Nazionale dei Periodici), the collective serials Italian catalogue, and NILDE, a document transmission network based on Internet technologies and standardized operations.

Our library is part of the database of ACNP since 2002, which has allowed us to better exploit our resources and to meet successfully our users’

requests. Results have been progressively improving from the end of 2003, when we joined the NILDE project. Participation in this network has supported the working flow of our activities in the entire document delivery process – from the request to the delivery of a document – considerably elevating the Document Delivery Service (DDS) management performance.

To show you how we can obtain such operative results, we will describe both the structure of the collective serials Italian catalogue (ACNP) and the architecture of the e-mail/web gateway server used for NILDE.

ACNP, developed by Italian National Research Council (CNR) and by the University of Bologna, has a Web OPAC where users can retrieve serials from the Italian libraries participating to the project – presently rated to be 2510. Even though ACNP assures by itself an efficient exchange of the documents, NILDE permits further costs reduction, time shortening and simplification of the documents transmission procedure.

NILDE is a web-based Document Delivery Service that has been developed by the Research Area of Bologna Central Library in order to experiment the use and to suggest a model of DDS promoting inter-library mutual exchange and cooperation procedure. The high performance of the Network is possible especially because NILDE is accessible through ACNP, allowing the librarian to check which libraries participate to the Network among those that have the document he needs. Once checked the datum, the librarian can find out which library offers the best conditions and finalize his request accordingly, simply clicking on the link to NILDE.

Polar Research Institute of Marine Fisheries and Oceanography Library today

Irina Merkina, *Polar Research Institute of Marine Fisheries and Oceanography, Murmansk, Russia*

In March this year Polar Research Institute of Marine Fisheries and Oceanography (PINRO) celebrated 85 years its foundation and all this time the Institute has had the library.

The PINRO library began to accession actively at the middle of 30-th years of the last century, when region distributing center for libraries was opened in Murmansk. At the same time PINRO library inherited collection of the Biological Station Solovetskaya by the name established in 1881 at the White Sea. The main part of these stocks was well preserved and PINRO library have these rare enough books today.

At present we have 30,000 books and booklets, 20,000 copies of journals, more then 200 titles. The main subjects are marine and freshwater biology,

ichthyology, oceanography, Arctic Seas ecology, industrial pollution, toxicology, fish diseases, aquaculture, fisheries management, and main regions - Barents Sea, Norwegian Sea, North Atlantic, Atlantic, White Sea, inland waters of Kola Peninsula. The books and booklets published in SU/Russia during the second half of last century are the most presented, the main fish and fisheries journals are without lacuna too. Since 1936 PINRO Collection of scientific papers has been publishing, now we have 74 issues. Total it was published more than 450 different types of printed matters, including 9 bibliographic indexes.

There are 5 librarians on PINRO library staff now, equipment- 6 PC, 2 printers, 1 scanner.

We've been using IRBIS software since 2003, and started to input current literature and retrospective part in own database. We installed WEBIRBIS for library page of PINRO website (www.pinro.ru).

PINRO library has been a member of European Association of Aquatic Sciences Libraries and Information Centre for 8 years. In 2003 our library was sharing the work on Union List of Serials for EURASLIC ECET. Since the end of 2004 the library has been an ASFA Collaborating Centre, and has been using CD with ASFA database. This year we have got an access to ASFA database on-line, and we try to use free databases in Internet as well.

Building a sustainable library network and technology (e.g. KOHA) in the spirit of open standards, free software and open source

Satu Hallikainen, County Library of Lapland, Rovaniemi, Finland

We wouldn't have the Internet, WWW, or e-mail without the open standards on which they are built. Open standards promote interoperability, which is the key to an excellent network, and using open standards is recommended by the EU.

Libraries represent open access to information, knowledge and learning. Why not also build networks and systems which are built on high quality technology following those ideals? Muurola Library has had the role of pilot library in Finland promoting the use of open standards and open source.

Because many commercial systems are not built on or under-utilize open standards, we have joined the Koha project which uses both. Koha is an international open library system, started in New Zealand, and now being developed worldwide. www.Koha.org

Can two nodes be a network? Cooperation helps two libraries provide better service

Allaina Howard, *National Snow and Ice Data Center, University of Colorado, Boulder (CO), USA*, **Shelly Sommer**, *Institute for Arctic and Alpine Research, Boulder (CO), USA*, and **Gloria Hicks**, *National Snow and Ice Data Center, University of Colorado, Boulder (CO), USA*

The Information Centers of the National Snow and Ice Data Center (NSIDC) and the Institute of Arctic and Alpine Research (INSTAAR) at the University of Colorado are located across a parking lot from each other. They share an institutional setting, a focus on cold regions, and even have some holdings in common. Both libraries are local sources for scientists and students searching for information. They offer focused collections, rare materials, and knowledgeable librarians; but they also face issues of small size, isolation, and limited resources that impair their ability to meet users' needs. To overcome these issues, while retaining the organizational focus and unique collections that are their strengths, the two libraries have formed a loose partnership. The librarians are converting their catalogs to the same platform to enable federated searching. They share resources and knowledge and have begun to coordinate purchasing. Ultimately, they hope to enlarge their network to include other libraries in their geographic and subject areas.

BASC: A Research Center Grows in Barrow. UAF's Geophysical Institute and Ilisagvik College's Tuzzy Consortium Library collude to provide state of the art library services to the Barrow Arctic Science Consortium

David Ongley, *Tuzzy Consortium Library, Barrow, Alaska, USA*, **Julia H. Triplehorn**, *Keith B. Mather Library, University of Alaska, Alaska, USA*

Ground was broken in 2005 for a new research center in Barrow, Alaska. The Barrow Arctic Science Consortium (BASC) has grown from a small two person office to an international, multi-million dollar operation in 10 years. Plans for the new facility include library services to be provided jointly by the Geophysical Institute in Fairbanks and locally by the Tuzzy Consortium Library. Collaborative networks for an online catalog and interlibrary loan, already existent, will be formalized and enhanced. Presenters will display drawings of the new facility and its innovative service plans. They will also discuss plans for the dissemination of data from Barrow research and shared collection development responsibilities. Updates from both the Tuzzy Library and the Geophysical Institute Library will complete this program.

A Northern network in the making: cooperation and collaboration in Anchorage, Alaska

Daria O. Carle, Consortium Library, University of Alaska Anchorage, Alaska, USA, **Juli Braund-Allen**, Environment & Natural Resources Institute, Consortium Library University of Alaska Anchorage, Alaska, USA, **Kathleen Murray**, Health Sciences Information Service, University of Alaska Anchorage, Alaska, USA

This paper will describe and update major initiatives, developments, and projects of the UAA/APU Consortium Library and its Health Science Information Service (HSIS), the Alaska Resources Library and Information Services (ARLIS), and the Alaska Moving Image Preservation Association (AMIPA). Since 2003, these organizations have all relocated within one new, state-of-the art building on the University of Alaska Anchorage campus. While some of these organizations have had formal ties to one another for many years, this newly found proximity has strengthened all of their interactions. In particular, this cooperative arrangement has significantly improved services to users and offers networking opportunities to the broader library community. Featured will be new collections, shared systems, and arctic health initiatives for the International Polar Year project.

Session 8

Barents Information Portal and its improvement

Liisa Kurppa, Arctic Centre, University of Lapland, Rovaniemi, Finland

Barents Information Portal www.barentsinfo.org was launched in 2004 with cooperation of Finnish, Norwegian, Russian and Swedish partners and with project funding from EU-Interreg. The portal is focussed and functioned information source of the Barents region. The goals for the Barents portal were to offer a forum where to publish information and news and increase knowledge of the region. The design of the portal was based on the results of an extensive user survey.

In the beginning of the project it was carried out a questionnaire about information needs concerning the Barents region. The portal contains general information about the region and articles giving an overview of different topics. The information is organized under following themes:

Information about the region - Administration - Cooperation - Culture - Customs information Dictionary - Documents - Economy & Business - Education & Research - Environment & Nature Events - Funding - History - Indigenous people - Maps - Media & News - Natural resources - News -

Photos - Projects - Statistics - Society - Travel & Tourism - Transport & Communications - Weather - Youth - Search.

I will speak about contents and development plans of the portal.

Alaska's Digital Archives: from vision to reality

Susan Grigg, *Elmer E. Rasmuson Library, University of Alaska Fairbanks, Alaska, USA*

The curators of the Alaska & Polar Regions Collections, Rasmuson Library, University of Alaska Fairbanks, began exploring digital methods to improve access to Alaska historical and cultural sources in the late 1980s. The pioneering Wenger Eskimo Database and Project Jukebox oral history multimedia databases began on CD-ROM but are now available over the World Wide Web. With web conversion of these resources well underway in the late 1990s, we began imagining a single database that would provide access to all types of Alaska primary sources and be available to all repositories that hold such materials. This vision was presented at Colloquy in 2002. Four years later we are ready to present Alaska's Digital Archives <http://vilda.alaska.edu> as the realization of this vision. Key features to be discussed: founding partners are Alaska's three largest libraries—UA Fairbanks, UA Anchorage, Alaska State Library — and their affiliated museums; plans are underway to bring in other Alaska repositories such as local historical societies; it currently holds more than 15,000 digital objects and associated metadata, and continues to grow week by week; content has been selected to meet public needs such as the fiftieth anniversary of statehood and the new Alaska high school history; educators and Alaska Native cultural experts have assisted with selection; formats include photographs, manuscripts, government documents, rare printed maps, oral history recordings, archival film footage, and museum objects; the database is searchable in various ways; and there is an associated tool called LearnAlaska to enable pre-college students to draw on the archives for multi-media projects. The presentation will conclude by comparing this project with those in other U.S. states and raising the question of how it could become multi-national.

NOAA's Climate Database Modernization Program at the National Snow and Ice Data Center

Allaina Howard, *National Snow and Ice Data Center, University of Colorado, Boulder (CO), USA*

In 2002, the National Snow and Ice Data Center (NSIDC) received a grant from NOAA's CDMP program to digitize images in NSIDC's historic glacier photograph collection. These photographs, dating back to 1883, were collected by William O. Field, beginning in the 1930's. The collection was created to provide a single location for modern glaciologists to access a historical record of the world's glaciers. These photographs enable today's researchers to track glacier conditions over a period of time. The online collection may be utilized by researchers anywhere. Today, photographers utilize this collection to conduct repeat photography of glaciers around the world. Since the database has been online, NSIDC has noted a steady increase in usage of the collection, both analog and digital. The success of the project has spawned similar digitization projects including an historic ice chart collection, historic field notebooks, and most recently, the DAHLI project. This presentation will be a status report on NSIDC's CDMP funded projects, including details about specific projects, materials selection, the scanning processes, other institutions that are involved and related problems and solutions.

The Italian Museo Nazionale dell'Antartide "Felice Ippolito"

Mauro Alberti, *Museo Nazionale dell'Antartide, Siena, Italy*

The Museo Nazionale dell'Antartide (MNA) was established in 1996. The mission of the Museo is the conservation, study and promotion of samples collected during the Italian scientific expeditions and any other evidence of the Italian presence in Antarctica.

An additional institutional task of the Museo is to promote the knowledge of the scientific results achieved in by the Italian Antarctic scientific community.

The Museo is a centre set up by the three universities of Genoa, Siena and Trieste. Each of the three sections is made up of:

- ? an exhibition
- ? a study and sorting centre
- ? a documentation centre

This presentation will provide an overview of the activities undertaken by the Museo during its first ten years, with particular attention to the collections and related data bases and GIS in the field of earth, physical and

life sciences (rocks, meteorites, ice and snow, organisms, marine sediments).

The library of the Museo holds more than 5000 records (books, journals, maps, multimedia) related to various aspects of the polar and cold regions.

General information

General information

Banks and bureaux de change

Banks are usually open Monday through Friday from 8.30am to 1.30pm. In the afternoon, the opening hours change from bank to bank but they are usually open from 2.30/3.00pm to 4/4.30pm. Few banks are open non-stop from 8.30am to 4.00pm and/or on Saturday mornings. Outside most banks there is a cash dispenser (ATM) and some of them located in downtown Rome also have an automatic exchange machine working 24 hours a day.

Change offices: they are usually open non-stop from 8.30am to 7.30pm. In these offices you can also buy or sell traveller's cheques or ask for a money transfer.

Post Offices: the money exchange service is limited to offices in downtown Rome - from 8.30am to 1.50pm from Monday to Friday; on Saturdays from 8.30am to 12.00am. Central offices usually keep the change counter open non-stop until 6.30pm.

Credit cards

In Rome shops are almost always provided with credit card service. Anyhow we point out that some small shops, stalls in markets, rooms for rent or Bed & breakfast are usually not provided with credit card service. To get information on your own credit card you have to apply to the issuing Company. Major ones have an operating office in Rome:

Servizi Interbancari (SI Card and VISA) Via Quattro Fontane, 22 - tel. 800-151616; **UBS** P.za di Trinità dei Monti, 18 - tel. 066976011; **American Express** L.go Caduti di El Alamein - tel. 06722821; **Diners Club** Customer Service - tel. 063575333.

In case of theft or loss of your credit card, the first thing to do is call the issuing Company and ask to block the card:

Servizi Interbancari (SI Card and VISA) Free Number 800-018548 / 800-819014; **UBS** Tel. 066976011; **American Express** Tel. 06722821; **Diners Club** Free Number 800-864064.

Shops

Shops in Rome are usually open from Monday to Saturday from 9.30am to 7.30pm. You can also find some shops in the centre of Rome open on Sunday.

Emergency numbers

Police (*Polizia*) 118

Fire Brigade (*Vigili del fuoco*) 115

Ambulances (*Ambulanza*) 118

City Council (*Comune di Roma*) 060606

Pharmacies

The opening time is usually from Monday to Friday, from 8.30am to 8.00pm. Some pharmacies are also open on Saturday and Sunday on shifts. Chemist's working the nightshifts are open from 8.00pm until 8.30am. During this time a surcharge is applied to the medicines. There are also some chemist's shops open 24 hours a day which usually don't apply any over cost during the night. Outside each pharmacy is posted a list of those open in Rome. A complete list is published every day in Roman newspapers.

Embassies and Consulates

Australia

Via A. Bosio 5 - 00161 Roma - tel. 06 85 27 22 99

web site: <http://www.italy.embassy.gov.au>

Canada

Via G.B. De Rossi 27 - 00161 Roma - tel. 06 44 59 81

web site: <http://www.canada.it> - http://canada.gc.ca/main_e.html

Denmark

Via Monte Parioli 50 - 00197 Roma - tel. 06 97 74 831

web site: <http://www.denmark.org>

Finland

Via Lisbona 3 - 00198 Roma - tel. 06 85 22 31

web site: <http://www.finland.it>

France

Piazza Farnese 67 - 00186 Roma - tel. 06 68 60 11

web site: <http://www.france-italia.it>

Germany

Via San Martino della Battaglia 4 - 00185 Roma - tel. 06 49 21 31
web site: <http://www.ambgermania.it>

Islanda

Via di San Saba 12 - 7 - 00153 Roma - tel. 06 57 25 05 09
web site: <http://www.iceland.org>

Norway

Via Terme Deciane 7 - 00153 Roma - tel. 06 57 17 031
web site: <http://www.ssb.no/www-open/english>

Netherlands

Via della Camilluccia 701/703 - 00132 Roma tel. 06 36 76 71

United Kingdom

Via XX Settembre 80/a - 00187 Roma - tel. 06 42 20 00 01
web site: <http://www.britain.it> and <http://www.genuki.org.uk/>

Russia

Via Gaeta 5 - 00185 Roma - tel. 06 49 41 681
web site: <http://www.un.int/russia>

United States of America

Via Veneto 119/a - 00187 Roma - tel. 06 46 741
web site: <http://www.usembassy.it> - <http://www.whitehouse.gov>

Sweden

Piazza Rio De Janeiro 3 - 00161 Roma - tel. 06 44 19 41
web site: <http://www.scb.se/scbeng/keyeng.htm>

Switzerland

Via B. Oriani 61 - 00197 Roma - tel. 06 80 95 71
web site: <http://www.eda.admin.ch/roma>

List of Participants

Mauro Alberti

Museo Nazionale dell'Antartide (MNA)
Via Laterina, 8
Siena 53100 Italy
phone: +39 0577233875
e-mail: alberti@unisi.it

Pierre Beaudreau

Indian and Northern Affairs Canada
Room 1400, 10 Wellington Street
Gatineau, QC KIA OHY Canada
phone: +1 819-953-0920
fax: +1 819-953-3017
e-mail: beaudreau@ainc-inac.gc.ca

Elena Benedetti

ISAC-CNR
Via Gobetti, 101
Bologna 40129 Italy
phone: + 39 0516399586
fax: +39 0516399652
e-mail: e.benedetti@isac.cnr.it

Marcel Brannemann

Alfred Wegener Institute
P.B. 120161
Bremerhaven 27515 Germany
phone: +49 47148311587
fax: +49 47148311919
mbrannemann@awi-bremerhaven.de

Sandy Campbell

*Canadian Circumpolar Collection,
Science and Technology Library,
University of Alberta*
Cameron Library
Edmonton T6G2J8 Canada
phone: +1 7804927915
fax: +1 7804922721
e-mail: sandy.campbell@ualberta.ca

Daria O. Carle

*University of Alaska Anchorage,
Consortium Library*
3211 Providence Dr
Anchorage, AK 99508 USA
phone: +1 9077861869
fax: +1 9077861834
e-mail: afdoc@uaa.alaska.edu

Michela Cecconi

*Consortium for the Italian Antarctic
Program (PNRA)*
R. C. ENEA Casaccia,
Via Anguillarese, 301
Rome 00060 Italy
phone: +39 0630486498
fax: +39 0630484893
e-mail: biblioteca@consorzio.pnra.it

Anna Grazia Chiodetti

*National Institute of Geophysics and
Volcanology (INGV)*
Via Vigna Murata, 605
Rome 00143 Italy
phone: +39 0651860470
fax: +39 0651860435
e-mail: chiodetti@ingv.it

Philip Cronenwett

Dartmouth College Library
55 Shaker Hill Road
Enfield, NH 03748 USA
phone: +1 6172537381
fax: +1 6172539858
e-mail: philip@cronenwett.com

Elena Dahl

Swedish Polar Research Secretariat
P.O. Box 50003
Stockholm SE10405 Sweden
phone: +46 867396004
fax: +46 8152057
e-mail: elena.dahl@polar.se

Alessandro Damiani*ISAC-CNR*

Via del Fosso del Cavaliere

Rome 00133 Italy

phone: +39 0649934268

fax: +39 0620660291

e-mail: a.damiani@isac.cnr.it

Raimund Goerler*Ohio State University Archives*

2700 Kenny Road

Columbus, OH 43210 USA

phone: +1 6146888447

fax: +1 6146884150

e-mail: goerler.1@osu.edu

Valentina De Santis*CNR - Institute for Atmospheric**Pollution - EKOLab*

Via Salaria km 29,300 - C.P. 10

Monterotondo staz. (RM) 00016 Italy

phone: +39 0690672712

fax: +39 0690672660

e-mail: vds@iia.cnr.it

Ross Goodwin*Arctic Institute of North America,**University of Calgary*

University of Calgary Casaccia

Calgary T2N1N4 Canada

phone: +1 4032204036

fax: +1 4032824609

e-mail: rgoodwin@ucalgary.ca

Sabina Di Franco*CNR - Institute for Atmospheric**Pollution - EKOLab*

Via Salaria km 29,300 - C.P. 10

Monterotondo staz. (RM) 00016 Italy

phone: +39 0690672712

fax: +39 0690672660

e-mail: difranco@iia.cnr.it

Satu Hallikainen*County Library of Lapland*

Jorma Eton Tie 6

Rovaniemi 96100 Finland

phone: +358 163380290

fax: +358 163380294

Satu.Hallikainen@rovaniemi.fi

Ruth Duerr*National Snow and Data Center*

449 UCB, University of Colorado

Boulder, CO 80309 USA

phone: +1 3037350136

fax: +1 3034922468

e-mail: rduerr@nsidc.org

Ann-Christine Haupt*Luleå University Library*

971 87 Luleå

Luleå Sweden

phone: +46 920491570

fax: +46 920492040

e-mail: ann-christine.haupt@ltu.se

Cecilia Fortunato*Biblionova S.C.r.l.*

Via Rodi, 49

Rome 00195 Italy

phone: +39 0639742906

fax: +39 39725575

e-mail: c.fortunato@biblionova.it

Gøril Hesstvedt*The University Library of Tromsø*

Breivika

Tromsø N-9037 Norway

phone: +47 77644139

fax: +47 77644162

e-mail: goril.hesstvedt@ub.uit.no

Allaina Howard

National Snow and Ice Data Center
449 UCB, University of Colorado
Boulder, CO 80309 USA
phone: +1 3034925774
fax: +1 3034922468
e-mail: alhoward@isac.cnr.it

James Huesmann

*Elmer E. Rasmuson Library, University
of Alaska Fairbanks*
P.O. Box 756800
Fairbanks, AK 99775 USA
phone: +1 9074747224
fax: +1 9074746841
e-mail: ffjhlh3@uaf.edu

Ronald Inouye

3036 Riverview Dr.
Fairbanks, AK 99709 USA
phone: +1 9074749403
e-mail: rinouye@gci.net

Vibeke Sloth Jakobsen

Danish Polar Center
Strandgade 100 H
Copenhagen DK-1401 Denmark
phone: +45 32880100
fax: +45 32880101
e-mail: vsj@dpc.dk

Berit Jakobsen

*University Centre in Svalbard (UNIS),
Library*
P.O. Box 156
Longyearbyen N-9171 Norway
phone: +47 79023309
fax: +47 79023301
e-mail: berit@unis.no

Mary Katherine Jones

History Institute, University of Tromsø
Ramfjordnesvegen 166
Tromsdalen 9020 Norway
phone: +47 95208412
e-mail: mjones@sv.uit.no

Laura Kissel

*Byrd Polar Research Center, Ohio State
University*
134 University Archives 2700 Kenny
Rd.
Columbus, OH 43210 USA
phone: +1 6146888173
fax: +1 6146884150
e-mail: kissel.4@osu.edu

Kjell Kjaer

Vanna Island, Torsvaag
Vannareid 9136 Norway
phone: +47 41429320
e-mail: kkjaer@online.no

Kirsten Kløver

Danish Polar Center
Strandgade 100 H
Copenhagen DK-1401 Denmark
phone: +45 72488123
e-mail: kk@dpc.dk

Liisa Kurppa

Arctic Centre, University of Lapland
P.O. Box 122
Rovaniemi 96101 Finland
phone: +358 405272437
e-mail: Liisa.Kurppa@ulapland.fi

Heather Lane

Scott Polar Research Institute
Lensfield Road
Cambridge CB2 1ER UK
phone: +44 (0)1223336557
fax: +44 (0)1223336549
e-mail: librarian@spri.cam.ac.uk

Luigi Morici

Consortium for the Italian Antarctic Program (PNRA)
R. C. ENEA Casaccia,
Via Anguillarese, 301
Rome 00060 Italy
e-mail: morici@frascati.enea.it

Nancy C. Liston

Cold regions research and engineering laboratory (CRREL)
72 Lyme Road
Hanover, NH 03755 USA
phone: +1 6036464221
fax: +1 6036464712
Nancy.C.Liston@erdc.usace.army.mil

David Ongley

Tuzzy Consortium Library - Ilisagvik College
P.O. Box 2130
Barrow, AK 99723 USA
phone: +1 9078521720
fax: +1 9078521729
e-mail: david.ongley@tuzzy.org

Elaine Maloney

CCI Press, Canadian Circumpolar Institute, University of Alberta
Suite 308, 8625-112 Street, Campus Tower
Edmonton, AB T6H 0H1 Canada
phone: +1 (780)4924999
fax: +1 (780)4921153
e-mail: elaine.maloney@ualberta.ca

Irene Piipola

County Library of Lapland
Jorma Eton Tie 6
Rovaniemi 96100 Finland
phone: +358 163222466
fax: +358 163223019
e-mail: Irene.Piippola@rovaniemi.fi

Andrea Marchitelli

Via Virginio Vespignani, 1
Rome 00196 Italy
phone: +39 3288760088
andreamarchitelli@hotmail.com

June Pinnell-Stephens

3140 Roden Lane
Fairbanks, AK 99709 USA
phone: +1 9074795826
e-mail: jpstlib@451north.net

Irina Merkina

Polar Research Institute of Marine Fisheries and Oceanography
6, Knipovich St.
Murmansk 183038 Russia
phone: +7 8152473563
fax: +7 8152473331
e-mail: merkina@pinro.ru

Paolo Plini

CNR - Institute for atmospheric pollution - EKOLab
Via Salaria km 29,300 - C.P. 10
Monterotondo (RM) 00016 Italy
phone: +39 0690672712
fax: +390690672660
e-mail: plini@iia.cnr.it

Fred Inge Presteng

Norwegian Polar Institute
Polar Environmental Centre
Tromsø NO-9296 Norway
phone: +47 77756590
fax: +47 77750501
e-mail: fred.inge.presteng@npolar.no

Salvatori Rosamaria

*CNR - Institute for atmospheric
pollution - TLRLab*
Via Salaria km 29,300 - C.P. 10
Monterotondo (RM) 00016 Italy
phone: +39 0690672451
fax: +39 0690672660
e-mail: salvatori@iia.cnr.it

Magne Rundberg

University Library of Tromsø
Tromsø Museum, Folkeparken
Tromsø N-9037 Norway
phone: +47 77645007
fax: +47 77645520
e-mail: Magne.Rundberg@ub.uit.no

Silvia Sarti

*Consortium for the Italian Antarctic
Program (PNRA)*
R. C. ENEA Casaccia,
Via Anguillarese, 301
Rome Italy
phone: +39 0630486498
fax: +39 06304484893
e-mail: sarti.silvia@consorzio.pnra.it

Steve Schafer

Athabasca University
1 University Drive
Athabasca, AB T9S 3A3 Canada
phone: +1 7806756259
fax: +1 7806756477
e-mail: steves@athabascau.ca

Andie Smithies

Australian Antarctic Division
203 Channel Highway
Kingston 7050 Australia
phone: +61 362323516
fax: +61 362323517
e-mail: andie.smithies@aad.gov.au

Outi Snellman

University of the Arctic
University of Lapland
Box 122
Rovaniemi FI-96101 Finland
phone: +358 163412738
fax: +358 163412777
e-mail: outi.snellman@uarctic.org

Shelly Sommer

Institute for Arctic & Alpine Research
(INSTAAR), University of Colorado
1560 30TH Street
Boulder, CO 80305 USA
phone: +1 3034921867
fax: +1 3034926388
e-mail: Shelly.Sommer@colorado.edu

Deirdre Stam

Long Island University
2400 Euclid Av.
Syracuse, NY 13224 USA
phone: +1 3154465923
fax: +1 2129954072
e-mail: deirdre.stam@liu.edu

David H. Stam

Syracuse University
2400 Euclid Av.
Syracuse, NY 13224 USA
phone: +1 3154465923
fax: +1 3154435634
e-mail: dhstam@syr.edu

Dennis Stephens

*Alaska Center for Horace Kephart
Studies*
3140 Ruden Lane
Fairbanks, AK 99709 USA
phone: +1 9074795826
e-mail: luckydog451@yahoo.com

Ivar Stokkeland

Norwegian Polar Institute
Polar Environmental Centre
Tromsø NO-9296 Norway
phone: +47 77750589
fax: +47 77750501
e-mail: ivar@npolar.no

Rob Sutherland

Yukon College
500 College Drive
Whitehorse, YT Y1A 5K4 Canada
phone: +1 8676688888
fax: +1 8676688808
e-mail: rsuther@yukoncollege.yk.ca

Sharon Tahirkheli

American Geological Institute
4220 King Street
Alexandria, VA 22302 USA
phone: +1 7033792780
fax: +1 7033797563
e-mail: snt@agiweb.org

Luana Testa

*Consortium for the Italian Antarctic
Program (PNRA)*
R. C. ENEA Casaccia,
Via Anguillarese, 301
Rome 00060 Italy
phone: +39 0630486497
fax: +39 0630484893
e-mail: luana.testa@consorzio.pnra.it

Don Triplehorn

University of Alaska
P.O. Box 80826
Fairbanks, AK 99708 USA
phone: +1 9074746891
e-mail: ffdmt@uaf.edu

Julia Triplehorn

*Keith B. Mather Library, University of
Alaska*
Geophysical Institute, IARC, 930
Koyukuk
Fairbanks, AK 99775 USA
phone: +1 9074747512
e-mail: gilibrary@gi.alaska.edu

David Walton

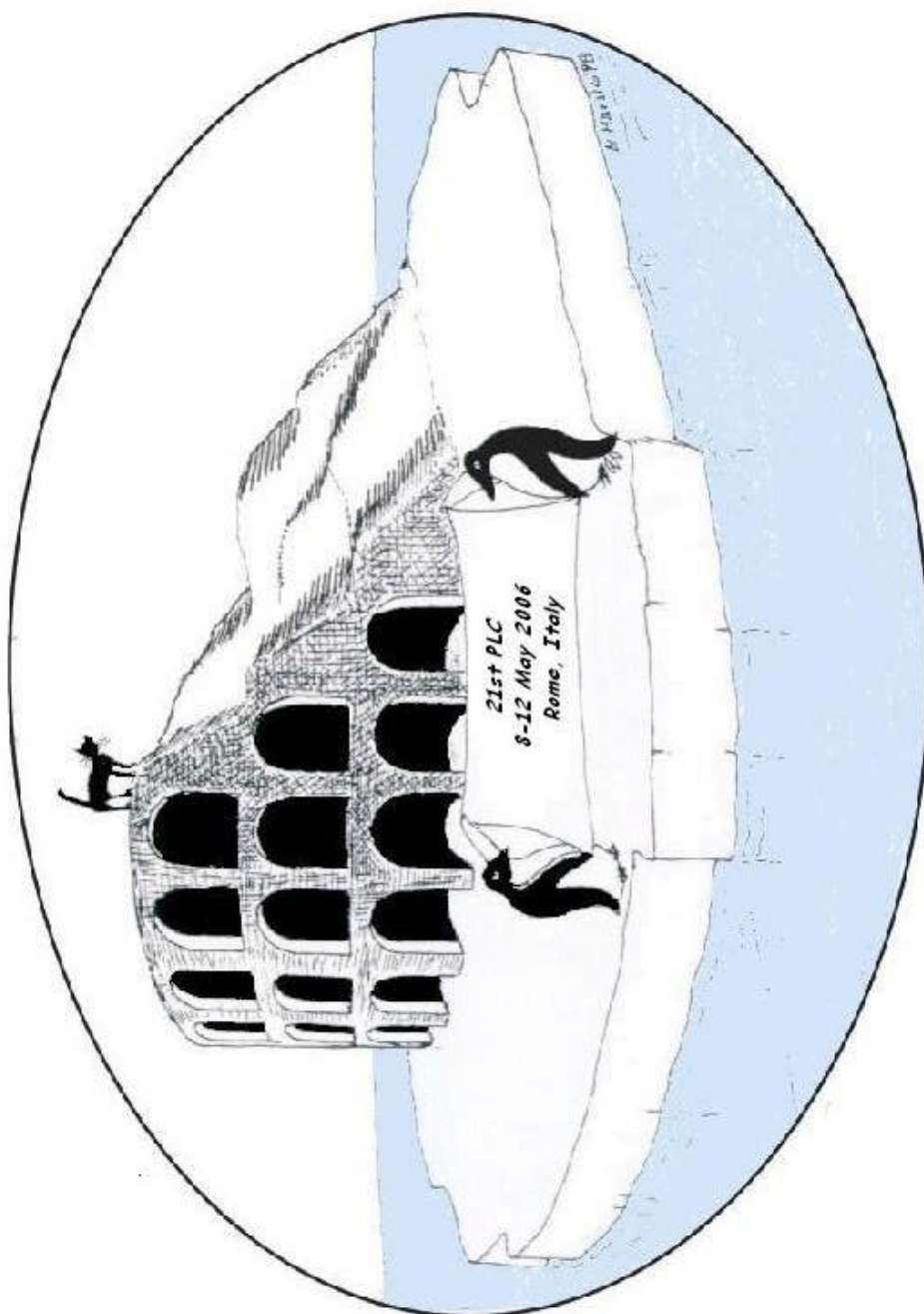
British Antarctic Survey
Madingley Road
Cambridge CB3 0ET UK
phone: +44 1223221592
fax: +44 1223221427
e-mail: DWHW@bas.ac.uk

Beatrice Wenger

10 Chemin de la Faverge
Mies (VD) 1295 Switzerland
phone: +41 227554259

Anita Westbrandt

Luleå University Library
P.O. Box 971 87
Luleå Sweden
phone: +46 920491543
fax: +46 920492040
e-mail: Anita.Westbrandt@ltu.se



Consortium for the Italian Antarctic Program - Via Anguillarese, 301 - 00060 – Rome, Italy
Phone: +39 0630486498; Fax: +39 0630484893 biblioteca@consorzio.pnra.it