Science in the Information Society:

An Inventory

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It should be noted that this inventory does not claim nor does it attempt to highlight all activities in the scientific community related to WSIS. CODATA and the U.S. National Academies/U.S. National Committee for CODATA recognize that there are many scientific stakeholders whose activities are not included in this inventory. Please note that neither CODATA nor the U.S. National Academies/U.S. National Committee for CODATA is responsible for content of the materials from the websites identified in this document. The views expressed in the submissions of information here are those of the contributors and not necessarily those of CODATA or the U.S. National Academies.

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Science in the Information Society: An Inventory[1]

In December 2003, 175 countries participated in the first phase of the World Summit on the Information Society (WSIS). These nations recognized that science has a central role in the development of the information society and that many of the building blocks of the information society are the results of scientific and technical advances made possible by the sharing of research results. The role of e-science in the information society was also recognized in the Plan of Action endorsed at the Summit.[2] One of the underlying themes of the WSIS Plan of Action is the importance of access to information and knowledge. Indeed, many of the principles and actions identified in the first phase of WSIS emphasize the importance of access to research data and the scientific literature generated from publicly-funded research—cornerstones for the advancement of science.

Background

In preparation for the second phase of WSIS in Tunis, the Committee on Data for Science and Technology (CODATA)—in collaboration with the U.S. National Academies, the French Academy of Sciences, the Academy of Sciences for the Developing World (TWAS), the International Council for Scientific and Technical Information (ICSTI), the International Network for the Availability of Scientific Publications (INASP), and the International Union of Psychological Science (IUPsyS)—held a special session on *Science in the World Summit on the Information Society*, which was attended by over 90 people. This Session, which was an official WSIS Thematic Meeting, took place on 10 November 2004, within the framework of the 19th International CODATA Conference—Information Society: New Horizons for Science.[3]

The objectives of the Session were aimed at 1) motivating discussion among the scientific community on the important role of scientists within the information society; 2) highlighting initiatives in the scientific community that complement the science-related Plan of Action items from the first phase of WSIS; and 3) initiating discussions on how the scientific community can constructively contribute to the second phase of WSIS. As a result of the discussions at the Session, participants recommended that CODATA, in collaboration with its partners, should compile an inventory of scientific activities for the second phase of WSIS in response to item 2 above.

[1] This document was compiled by CODATA and the U.S. National Academies/U.S. National Committee for CODATA.
[2] For detailed information on the role of science in the WSIS Declaration of Principles and Agenda for Action, please see http://www.wsis-online.net/science/home_EN/POA.
[3] For more information on the CODATA WSIS Session, see http://www.codata.org/wsis/ReportWSIS20Jan2005.pdf.

CODATA Inventory of Scientific Activities

There are many activities taking place within the scientific community that directly or indirectly support the WSIS Declaration of Principles and contribute to the implementation of many items identified in the Plan of Action. The following inventory was compiled by CODATA and its U.S. National Committee, and provides a snapshot of scientific civil society organizations, data and information centers and archives, programs and projects, events, and publications that address and promote the role of science in the information society and work toward the implementation of the WSIS Plan of Action. In addition, it provides examples of scientific, technical, and medical journals and related resources, as well as scientific toolkits and training opportunities and Internet gateways and portals to additional scientific resources.

Next Steps

Together with its partners, CODATA proposes the creation of the *Global Information Commons for Science* initiative, which would be a multi-stakeholder undertaking that would be launched as an outcome of the second phase of WSIS.[4] It would leverage the strengths of a diverse coalition for the purpose of raising awareness on the part of the actors and increasing the effectiveness of the activities directed to facilitating various methods of open access and re-use of publicly-funded scientific data and information, and to promoting cooperative sharing of research tools and materials among researchers. This Inventory of Scientific Activities will feed into the proposed *Global Information Commons for Science* initiative.

Contacts

For additional information about the Inventory of Scientific Activities or the *Global Information Commons for Science* initiative, please contact Kathleen Cass, executive director of CODATA, at codata@dial.oleane.com. Suggestions for additional initiatives for inclusion in the scientific inventory are also welcome.

Acknowledgments

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[4] See http://www.codata.org/wsis/GlobalCommonsforScienceSept1.html for additional information.

Inventory of Scientific Activities

Scientific Civil Society Organizations

Organization	Website URL
Academia de Ciencias de America Latina	http://www.acal-scientia.org/
BioNet International: The Global Network for Taxonomy	http://www.bionet-intl.org/opencms/opencms/index1.jsp
Coalition for Networked Information	http://www.cni.org/
Committee on Data for Science and Technology (CODATA)	http://www.codata.org
Committee on Space Research	http://www.cosparhq.org/
Consultative Group on International Agricultural Research	http://www.cgiar.org/
Digital Curation Centre (DCC)	http://www.dcc.ac.uk
Digital Preservation Coalition	http://www.dpconline.org/graphics/index.html
DIVERSITAS: An Integrated Program of Biodiversity Science	http://www.diversitas-international.org/
Electronic Resource Preservation and Access Network (ERPANET)	http://www.erpanet.org
Energy Technology Data Exchange	http://www.etde.org/
Environmental Data Standards Council	http://www.envdatastandards.net/?PHPSESSID=a11a209295689f2361bc2ee240fbbe28
European Commission on Preservation and Access	http://www.knaw.nl/ecpa/about.html
Federation of Astronomical and Geophysical Data Analysis Services	http://www.kms.dk/fags/index.html
French Academy of Sciences	http://www.academie-sciences.fr/actualites/nouvelles_gb.htm
Global Biodiversity Information Facility	http://www.gbif.org
Global Forum for Health Research	http://www.globalforumhealth.org/Site/000__Home.php
Global Spatial Data Infrastructure Association	http://www.gsdi.org/
Indian Institute of Science	http://www.iisc.ernet.in/
InterAcademy Council	http://www.interacademycouncil.net/
InterAcademy Panel on International Issues	http://www4.nationalacademies.org/iap/iaphome.nsf
Inter-American Biodiversity Information Network	http://www.iabin.net/
Inter-American Institute for Global Change Research Data and Information	http://www.iai.int/
International Arctic Science Committee	http://www.iasc.no/
International Association of Hydraulic Engineering and Research	http://www.iahr.net/site/index.html
International Astronomical Union (IAU)	http://www.iau.org
International Brain Research Organization	http://www.ibro.org
International Cartographic Association	http://www.icaci.org/
International Cell Research Organization	http://www.unesco.org/icro/
International Center for Applied Studies in Information Technology	http://www.icasit.org
International Council for Laboratory Animal Science	http://www.iclas.org/
International Council for Science (ICSU)	http://www.icsu.org
International Council for Scientific and Technical Information (ICSTI)	http://www.icsti.org
International Council of Archives	http://www.ica.org
International Federation for Information Processing	http://www.ifip.or.at/
International Federation of Library Associations and Institutions	http://www.ifla.org/
International Federation of Societies for Microscopy	http://www.ifsm.umn.edu/

International Federation of Surveyors (FIG)	http://www.fig.net/
International Foundation for Science	http://www.ifs.se/
International Geographical Union	http://www.igu-net.org/
International Geosphere-Biosphere Programme	http://www.igbp.kva.se/cgi-bin/php/frameset.php
International Human Dimensions Programme on Global Environmental Change	http://www.ihdp.org/
International Institute for Applied System Analysis	http://www.iiasa.ac.at/
International Institute for Communication and Development	http://www.iicd.org/
International Lithosphere Program	http://www.sclilp.org/
International Livestock Research Institute	http://www.ilri.org
International Mathematical Union	http://www.mathunion.org/
International Network for the Availability of Scientific Publications (INASP)	http://www.inasp.org
International Plant Genetics Resources Institute	http://www.ipgri.cgiar.org/index.htm
International Radiation Protection Association	http://www.irpa.net/
International Research Institute for Climate Prediction	http://iri.columbia.edu/
International Social Science Council	http://www.unesco.org/ngo/issc/
International Society for Photogrammetry and Remote Sensing	http://www.isprs.org/
International Steering Committee for Global Mapping	http://www.iscgm.org/cgi-bin/fswiki/wiki.cgi
International Union for Physical and Engineering Sciences in Medicine	http://www.iupesm.org/
International Union for Pure and Applied Biophysics	http://www.iupab.org
International Union for Quaternary Research	http://inqua.umb.no/
International Union for Vacuum Science, Technique and Applications	http://www.iuvsta.org/
International Union of Anthropological and Ethnological Sciences	http://www.leidenuniv.nl/fsw/iuaes/
International Union of Biochemistry and Molecular Biology	http://www.iubmb.unibe.ch/
International Union of Biological Sciences	http://www.iubs.org
International Union of Crystallography	http://www.iucr.org
International Union of Food Science and Technology	http://www.iufost.org/
International Union of Forest Research Organizations	http://www.iufro.org/
International Union of Geodesy and Geophysics	http://www.iugg.org
International Union of Geological Sciences	http://www.iugs.org
International Union of History and Philosophy of Science	http://ppp.unipv.it/dhs/
International Union of Immunological Societies	http://www.iuisonline.org/
International Union of Microbiological Societies	http://www.iums.org/
International Union of Nutritional Sciences	http://www.iuns.org
International Union of Pharmacology	http://www.iuphar.org/
International Union of Physiological Sciences	http://www.iups.org
International Union of Psychological Science (IUPsyS)	http://www.am.org/iupsys/
International Union of Pure and Applied Chemistry	http://www.iupac.org
International Union of Pure and Applied Physics	http://www.iupap.org
International Union of Soil Sciences	http://www.iuss.org/
International Union of Theoretical and Applied Mechanics	http://www.iutam.net/
International Union of Toxicology	http://www.iutox.org/
International Water Association	http://www.iwahq.org.uk/template.cfm?name=home
Joint Board of Geospatial Information Societies	http://www.fig.net/jbgis/
Joint Information Systems Committee	http://www.jisc.ac.uk/
National Association of Biology Teachers	http://www.nabt.org
Online Computer Library Center	http://www.oclc.org
Pacific Science Association	http://www.pacificscience.org/
Permanent Committee on Spatial Data Infrastructure for the Americas	http://www.cpidea.org/english/

Public Library of Science	http://www.plos.org/
Reference Center on Environmental Information	http://www.cria.org.br/
Research Libraries Group	http://www.rlg.org
San Diego Supercomputer Center	http://www.sdsc.edu/
Scholarly Publishing and Academic Resources Coalition	http://www.arl.org/sparc/
Science and Development Network	http://www.scidev.net/
Scientific Committee on Antarctic Research	http://www.scar.org/
Scientific Committee on Frequency Allocations for Radio Astronomy and Space Science	http://www.iucaf.org/
Scientific Committee on Oceanic Research	http://www.jhu.edu/~scor/
Scientific Committee on Problems of the Environment	http://www.icsu-scope.org/
Scientific Committee on Solar-Terrestrial Physics	http://www.ngdc.noaa.gov/stp/SCOSTEP/
Society for the Management of European Biodiversity Data	http://www.smebd.org/
Society for the Processing and Advancement of Knowledge on the Environment	http://www.spake.info/
Southern African Center for Cooperation in Agricultural and Natural Resources Research and Training	http://www.info.bw/~saccar/
The Academy of Sciences for the Developing World (TWAS)	http://www.twas.org/
The Center for Women and Information Technology	http://www.umbc.edu/cwit/index.html
Third World Network of Scientific Organizations	http://www.twnso.org/
Third World Organization for Women in Science	http://www.twows.org/
U.S. National Academy of Sciences	http://www.nasonline.org/site/PageServer
Union Radio Scientifique Internationale	http://www.ursi.org/
World Federation of Culture Collections	http://www.wfcc.info
World Federation of Engineering Organizations	http://www.unesco.org/wfeo/

Scientific Data and Information Centers and Archives

Data Center/Archive	Website URL
Alaska Satellite Facility Distributed Active Archive Center	http://www.asf.alaska.edu/
Astrophysical Gravitational-Wave Source Archive	http://astrogravs.gsfc.nasa.gov/
Atmospheric Radiation Measurements Archive	http://www.archive.arm.gov/
Carbon Dioxide Information Analysis Center	http://cdiac.esd.ornl.gov/
Center for International Earth Science Information Network (CIESIN)	http://www.ciesin.org/
Global Hydrology Resource Center	http://ghrc.msfc.nasa.gov/
High Energy Astrophysics Science Archive Research Center	http://heasarc.gsfc.nasa.gov/
Intergovernmental Panel on Climate Change Socio-Economic Data Distribution Center	http://sedac.ciesin.columbia.edu/ddc/
Interuniversity Consortium for Political and Social Research	http://www.icpsr.umich.edu/
Land Processes Distributed Active Archive Center	http://lpdaac.usgs.gov/main.asp
Multimission Archive of the Space Telescope Science Institute	http://archive.stsci.edu/
NASA High Energy Astrophysics Science Archive Research Center	http://heasarc.gsfc.nasa.gov/
National Snow and Ice Data Center	http://nsidc.org/daac/
Oak Ridge National Laboratory Distributed Active Archive Center for Biogeochemical Dynamics	http://www.daac.ornl.gov
Physical Oceanography Distributed Active Archive Center	http://podaac.jpl.nasa.gov/
Preparatory Commission for the Comprehensive Nuclear-	http://www.ctbto.org/verification/overview.ht

Test-Ban Treaty Organization (CTBTO Preparatory Commission) International Data Centre	ml#idc
Protein Data Bank	http://www.rcsb.org/pdb/
Regional Disaster Information Center, Latin America and the Caribbean	http://www.crid.or.cr/crid/ing/index_ing.html
Socioeconomic Data and Applications Center (SEDAC)	http://sedac.ciesin.columbia.edu
Southern African Data Centre for Oceanography	http://sadco.csir.co.za/
Southern African Development Community Regional Remote Sensing Unit	http://www.sadc-fanr.org.zw/rrsu/rrsu.htm
U.S. Defense Technical Information Center	http://www.dtic.mil/
U.S. Department of Energy's Office of Scientific and Technical Information	http://www.osti.gov/index
U.S. Environmental Protection Agency Environmental Photographic Interpretation Center	http://www.epa.gov/nerlesd1/land-sci/epic/default.htm
U.S. Geological Survey Earth Resources Observation and Science (EROS) Data Center	http://edc.usgs.gov/
U.S. Geological Survey National Earthquake Information Center	http://neic.usgs.gov/
U.S. National Aeronautics and Space Administration Astrophysics Data System	http://www.adsabs.harvard.edu/
U.S. National Aeronautics and Space Administration Atmospheric Sciences Data Center	http://eosweb.larc.nasa.gov/
U.S. National Aeronautics and Space Administration Distributed Active Archive Centers	http://nasadaacs.eos.nasa.gov/
U.S. National Aeronautics and Space Administration Goddard Earth Sciences Data and Information Services Center	http://daac.gsfc.nasa.gov/
U.S. National Aeronautics and Space Administration Legacy Archive for Microwave Background Data Analysis	http://lambda.gsfc.nasa.gov/
U.S. National Aeronautics and Space Administration/ IPAC Infrared Science Archive	http://irsa.ipac.caltech.edu/
U.S. National Nuclear Data Center	http://www.nndc.bnl.gov/
U.S. National Oceanic and Atmospheric Administration National Climatic Data Center	http://www.ncdc.noaa.gov
U.S. National Oceanic and Atmospheric Administration National Coastal Development Data Center	http://www.ncddc.noaa.gov/
U.S. National Oceanic and Atmospheric Administration National Geophysical Data Center	http://www.ngdc.noaa.gov
U.S. National Oceanic and Atmospheric Administration National Oceanographic Data Center	http://www.nodc.noaa.gov
U.S. National Satellite Land Remote Sensing Data Archive	http://edc.usgs.gov/archive/nslrsda/index.html
U.S. National Space Science Data Center	http://nssdc.gsfc.nasa.gov/
U.S. National Technical Information Service	http://www.ntis.gov/
UK Data Archive	http://www.data-archive.ac.uk/
World Data Centres System	http://www.ngdc.noaa.gov/wdc/wdcmain.html

Scientific Programs and Projects

Program/Project	Website URL
Assessment of Impacts and Adaptation to Climate Change—Data, Methods and Synthesis Activity	http://sedac.ciesin.columbia.edu/aiacc/
Association of African Universities Database of African Theses and Dissertations	http://www.aau.org/datad/
AstroData Project and Discussion	http://www.ivoa.net/twiki/bin/view/Astrodata/WebHome
Canadian National Consultation on Access to Scientific Research Data	http://ncasrd-cnadrs.scitech.gc.ca/home_e.shtml
Carnegie Mellon's Open Learning Initiative	http://www.cmu.edu/oli/
Center for Technology in Government--Modeling Interorganizational Information Integration	http://www.ctg.albany.edu/projects/miii
Central American Disaster Information Network	http://www.crid.or.cr/crid/Echo/proyectos_CRID_ing.html
CODATA Key Values for Thermodynamics	http://www.codata.org/resources/databases/key1.html
CODATA Register of Materials Database Managers (3rd Edition)	http://www.codata.org/resources/databases/Material.html
CODATA Task Group on Access to Biological Collections Data (in conjunction with the Taxonomic Databases Working Group)	http://www.codata.org/taskgroups/TGbiocollection/index.html
CODATA Task Group on Anthropometric Data and Engineering	http://www.codata.org/taskgroups/TGanthro/index.html
CODATA Task Group on Data Information and Visualization	http://www.codata.org/taskgroups/TGdatavis/index.html
CODATA Task Group on Data on Gas Hydrates	http://www.codata.org/taskgroups/TGhydrates/index.html
CODATA Task Group on Fundamental Physical Constants	http://physics.nist.gov/constants
CODATA Task Group on Global Species Data Networks	http://www.codata.org/taskgroups/TGglobal/index.html
CODATA Task Group on Low Dimensional (including nano scale) Materials and Technologies Data Network	http://www.codata.org/taskgroups/TGnano/index.html
CODATA Task Group on Preservation of and Access to Scientific and Technical Data in Developing Countries	http://www.tgdc-codata.org.cn/
CODATA Task Group on Virtual Laboratories in Earth Physics and Environmental Sciences	http://www.codata.org/taskgroups/TGvirtual/index.html
CombeChem: Grid based solutions for chemists	http://www.combechem.org/index.html
Combinatorial Sciences and Materials Informatics Collaboratory	http://www.isr.umd.edu/CoSMIC/
Competence Center for Electronic Waste Recycling	http://www.empa.ch/plugin/template/empa/*/32754/---/l=2
Cornell University DPubS Digital Publishing System	http://dpubs.org/
Crystallographic ePrints	http://eprints.soton.ac.uk/2280/01/EPrints.pdf
Current Research and Teaching Activities in Power Electronics and Drives	http://floridapec.engr.ucf.edu
Cybercartographic Atlas of Antarctica Project	http://www.carleton.ca/gcrc/caap/
Cybercartography and the New Economy	http://gcrc.carleton.ca/cne.html
Discovery Net	http://www.discovery-on-the.net/
DSpace Digital Repository System	http://www.dspace.org/
East Asian Study of Tropospheric Aerosols, an International Regional Experiment	http://www.atmos.umd.edu/~yuan/web_proj/station.htm
eBank UK (crystallography)	http://www.ukoln.ac.uk/projects/ebank-uk/
Electronic Geophysical Year (*e*GY)	http://www.egy.org/index.html
Environmental Performance Measurement Project	http://www.yale.edu/esi/

European Register of Marine Species	http://www.smebd.org/index.php?option=com_docman&Itemid=41&task=view_category&catid=67&order=dmname&ascdesc=DESC
Famine Early Warning Systems Network	http://www.fews.net/
Framework for International Polar Year (2007-2008)	http://www.icsu.org/Gestion/img/ICSU_DOC_DOWNLOAD/562_DD_FILE_IPY_web_version.pdf
Freshwater Ascomycetes Databases	http://www.life.uiuc.edu/fungi/
GenBank Database	http://www.psc.edu/general/software/packages/genbank/genbank.html
Global Climate Observing System	http://www.wmo.ch/web/gcos/gcoshome.html
Global Fisheries Ecosystems Management Network (GFEMN)	http://www.fisheries.org/html/gfemn/index.shtml
Global Information Commons for Science Initiative	http://www.codata.org/wsis/GlobalCommonsforScienceSept1.html
Global Ocean Observing System	http://www.ioc.unesco.org/goos/
Global Pollen Database	http://www.ncdc.noaa.gov/paleo/gpd.html
Global Terrestrial Observing System	http://www.fao.org/gtos/
High-resolution Transmission molecular absorption (HITRAN) database	http://cfa-www.harvard.edu/HITRAN
ICSU Priority Area Assessment on Capacity Building in Science	http://www.icsu.org/1_icsuinscience/CAPA_Paa_1.html
INASP's Programme for the Enhancement of Research Information (PERI)	http://www.inasp.info/peri/index.shtml
Information Society Technologies Promotion in Baltic States (IST4Balt)	http://www.ednes.org/IST4Balt/
Integrated Global Observing Strategy	http://www.igospartners.org/
International Research on Permanent Authentic Records in Electronic Systems (InterPARES)	http://www.interpares.org/
International Virtual Observatory Alliance	http://www.ivoa.net
Internet2 International Research and Education Network	http://international.internet2.edu/index.cfm
IUPsyS Healthnet: A network to promote health psychology	http://www.am.org/iupsys/information/healthnet.html
Large-Scale Biosphere-Atmosphere Experiment in Amazonia	http://lba.inpa.gov.br/lba/
Massachusetts Institute of Technology's Learning International Networks Consortium	http://linc.mit.edu
Massachusetts Institute of Technology's OpenCourseWare Project	http://ocw.mit.edu/index.html
Microbiological and Environmental Influences on Coral Black Band Disease	http://www.geology.uiuc.edu/%7Efouke/CoralResearch.html
Monitoring for Ecosystem Sustainability in the Americas (CAMESA)	http://www.wsis-online.net/smsi/classes/science/projects/science-projects-487862/project-view
Multilateral Initiative on Malaria	http://www.mim.su.se/
My Community, Our Earth Project: Geographic Learning for Sustainable Development	http://www.aag.org/sustainable/
Natural Disaster Hotspots: A Global Risk Analysis	http://www.ldeo.columbia.edu/chrr/research/hotspots/
Ocean Biogeographic Information System	http://www.iobis.org
Ocean Data and Information Network for Africa	http://www.odinafrica.net/
Online Mendelian Inheritance in Man Database	http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=OMIM
Oxford University's eDiaMoND grid computing project	http://www.ediamond.ox.ac.uk/index.html
Pacific Rim Applications and Grid Middleware Assembly	http://www.pragma-grid.net/index.html
Pakistan Digital Library	http://www.digitallibrary.edu.pk

Population-Environment Research Network	http://www.populationenvironmentresearch.org
Project Atmospheric Brown Clouds Asia	http://www-abc-asia.ucsd.edu/
Protein Information Resource	http://pir.georgetown.edu
Ptolemy Project : Delivering Electronic Health Information in East Africa	http://www.ptolemy.ca/
Science Commons	http://science.creativecommons.org/
Scientific Access to Data and Information	http://www.codata.org/resources/databases/data_access/index.html
South Africa Tertiary Education Network	http://www.tenet.ac.za/
Telecentres Caucus	http://www.digitaldivide.net/community/telecentres
Telework Solutions for Promotion of EU Cooperation in Business and Research with the Commonwealth of Independent States (TELESOL)	http://www.ednes.org./telesol/
Teleworking as a Tool for Information Society Technologies Programme Promotion to Baltic States (TELEBALT)	http://www.ednes.org/telebalt/
The Johns Hopkins Bloomberg School of Public Health's OpenCourseWare Project	http://ocw.jhsph.edu/
Tufts University OpenCourseWare Project	http://ocw.tufts.edu/?WT.mc_id=Link1
U.S. Environmental Protection Agency Global Earth Observation System of Systems (GEOSS)	http://www.epa.gov/geoss/
U.S. Environmental Protection Agency Regional Vulnerability Assessment Program	http://www.epa.gov/reva/index.htm
U.S. Environmental Protection Agency Scientific Environmental Information Management System	http://www.wsis-online.net/smsi/classes/won/projects/won-projects-497268/project-view
U.S. Geographical Survey Biological Resource Discipline Invasive Species Program	http://biology.usgs.gov/invasive/
U.S. Geographical Survey National Geologic Map Database	http://ngmdb.usgs.gov/
U.S. Geological Survey Biological Informatics Program	http://biology.usgs.gov/bio/
U.S. Geological Survey Coastal and Marine Geology Program	http://marine.usgs.gov/
U.S. Geological Survey Contaminant Biology Program	http://biology.usgs.gov/contam/
U.S. Geological Survey Cooperative Topographic Mapping Program	http://geography.usgs.gov/ctm.html
U.S. Geological Survey Cooperative Water Program	http://water.usgs.gov/coop/
U.S. Geological Survey Earth Surface Dynamics Program	http://geochange.er.usgs.gov/
U.S. Geological Survey Earthquake Hazards Program	http://earthquake.usgs.gov/
U.S. Geological Survey Energy Resources Program	http://water.usgs.gov/ogw/gwrp/
U.S. Geological Survey Fisheries: Aquatic and Endangered Resources Program	http://biology.usgs.gov/farp/
U.S. Geological Survey Geographic Analysis and Monitoring Program	http://gam.usgs.gov/
U.S. Geological Survey Global Seismic Networks	http://earthquake.usgs.gov/networks/global.html
U.S. Geological Survey International Programs	http://international.usgs.gov/index.htm
U.S. Geological Survey Landslide Hazards Program	http://landslides.usgs.gov/html_files/landslides/program.html
U.S. Geological Survey Mineral Resources Program	http://minerals.usgs.gov/
U.S. Geological Survey National Cooperative Geologic Mapping Program	http://ncgmp.usgs.gov/
U.S. Geological Survey National Geomagnetism Program	http://geomag.usgs.gov/
U.S. Geological Survey National Research Program	http://water.usgs.gov/nrp/
U.S. Geological Survey National Stream Flow Information Program	http://water.usgs.gov/nsip/

U.S. Geological Survey National Water Quality Assessment Program	http://water.usgs.gov/nawqa/
U.S. Geological Survey Priority Ecosystems Science	http://access.usgs.gov/about.html
U.S. Geological Survey Science Impact Program	http://www.usgs.gov/science_impact/
U.S. Geological Survey State Water Resources Research Institute Program	http://water.usgs.gov/wrri/
U.S. Geological Survey Status and Trends of Biological Resources Program	http://biology.usgs.gov/status_trends/
U.S. Geological Survey Terrestrial, Freshwater, and Marine Ecosystems Program	http://biology.usgs.gov/ecosystems/
U.S. Geological Survey Toxic Substances Hydrology Program	http://toxics.usgs.gov/
U.S. Geological Survey Volcano Hazards Program	http://volcanoes.usgs.gov/
U.S. Geological Survey Wildlife: Terrestrial and Endangered Resources Program	http://biology.usgs.gov/wtrp/
U.S. National Biological Information Infrastructure	http://www.nbii.gov/
U.S. National Library of Medicine MedlinePlus	http://medlineplus.gov/
U.S. National Library of Medicine Unified Medical Language System	http://www.nlm.nih.gov/research/umls/
UK Integrative Biology e-Science Project	http://www.integrativebiology.ox.ac.uk/
Ukrainian Research and Academic Network	http://www.uran.net.ua/
University of British Columbia Public Knowledge Project	http://www.pkp.ubc.ca/index.html
University of Illinois at Urbana-Champaign ECHO Depository Project	http://www.ndiipp.uiuc.edu/
Urban Search & Rescue (USAR) simulation	http://usl.sis.pitt.edu/ulab/CotrollingRobotl.htm
Usability of Open Source Software	http://people.lis.uiuc.edu/~twidale/research/ossui/
Utah State University OpenCourseWare Project	http://ocw.usu.edu/Index/ECIndex_view
Washington State University International Research and Development	http://www.ip.wsu.edu/ird/index.html
Working for Information Society Technologies Promotion to Commonwealth of Independent States (WISTCIS)	http://www.ednes.org/wistcis/
World Climate Research Programme	http://www.wmo.ch/web/wcrp/wcrp-home.html
World Science Project	http://www.worldsci.net/global/index.htm

Scientific Events (Conferences, Workshops, Symposia)

Event	Website URL
CODATA 2002: Frontiers of Scientific and Technical Data	http://www.codata.org/codata02/index.html
CODATA 2004: The Information Society: New Horizons for Science	http://www.codata.org/04conf/index.html
CODATA Special Session on the World Summit on the Information Society (2004)	http://www.codata.org/wsis/ReportWSIS20Jan2005.pdf
Creating the Information Commons for e-Science: Toward Institutional Policies and Guidelines for Action (2005)	http://www.codataweb.org/UNESCOmtg/
DCC/ERPANET Workshop on the Long-term Curation and Preservation of Medical Databases (2005)	http://www.dcc.ac.uk/training/mdb-2005/
Digital Curation Conference (2005)	http://www.dcc.ac.uk/training/dcc-2005/
East African Workshop on Humanitarian Relief Research & Education: Applications of Advanced Information Technology to Emergency Response (2006)	http://depts.washington.edu/iphr/Workshop.pdf
Ensuring Long-term Preservation and Adding Value to Scientific and Technical Data (2005)	http://www.ukoln.ac.uk/events/pv-2005/

ICSU/CODATA/UNESCO Workshop on Science in the Information Society (2003)	http://www.icsu.org/2_resourcecentre/Resource.php4?rub=9&id=19
Indo-U.S. Workshop on High-Performance Cement-Based Concrete Composites (2005)	http://gemini.tntech.edu/~jbiernacki/NSF_US-Indo_Workshop.htm
Inter-American Workshop on Access to Environmental Data (2004)	http://www.cria.org.br/eventos/iaed
International Conference on Scientific Resources Sharing Policy in China (2003)	http://www.tgdc-codata.org.cn/english/Html/GCIRC-PROGRAM.htm
International Seminar on Open Access for Developing Countries (2005)	http://www.icml9.org/meetings/openaccess/public/documents/declaration.htm
International Symposium on Geotechnical Hazards: Prevention, Mitigation, and Engineering Response (2005)	http://www.geotek.lipi.go.id/events/Symposium.htm
International Symposium on the Generalization of Information (2005)	http://www.codata-germany.org/ISGI/
International Workshop on African Research & Education Networking (2005)	http://event-africa-networking.web.cern.ch/event-africa-networking/
International Workshop on Innovation in Windstorm & Stormsurge Mitigation Construction (2005)	http://nsfworkshop.eng.uab.edu/
International Workshop on Knowledge Sharing for Local Development in the South (2005)	http://www.ictp.trieste.it/~twnso/knowledge/knowledge.html
IUPsyS Workshop on Building Psychosocial Interventions in the Tsunami Aftermath (2005)	http://www.am.org/iupsys/information/workshop.html
Nanotechnology: Issues in Interdisciplinary Research and Education (2004)	http://www.nnin.org/doc/USI_NNIN_Workshop_Report_final.pdf
Open Access to STI: State of the Art and Future Trends (2004)	http://www.inist.fr/openaccess/index_en.php
Past, Present, and Future of Research in the Information Society (2005)	http://worldsci.net/
Permanent Access to the Records of Science (2004)	http://www.kb.nl/coop/euconference/
Power Users of Information and Communication Technology International Symposium (2005)	http://powerusers.edc.org/symposium/
Scientific Markup Languages Workshop: International Scientific Data, Standards, & Digital Libraries (2005)	http://scimarkuplang.comm.nsdl.org/cgi-bin/wiki.pl?SeeAgenda
Strategies for Permanent Access to Scientific Information in Southern Africa: Focus on Health and Environmental Information for Sustainable Development (2005)	http://stardata.nrf.ac.za/html/workshopCodata1.html
U.S.-Brazil Workshop on Geometric Analysis of PDE (2005)	http://www.dm.ufscar.br/eventos/wpde2005
US-Africa Workshop on Anatomy of Continental Rifts: The Evolution of the East African Rift System	http://geo.stanford.edu/~sklemp/US-AfricaEARS04.html
Workshop on Strategies for Preservation of and Open Access to Scientific Data in China (2004)	http://www.tgdc-codata.org.cn/reg/pro.htm
Workshop on Tools for Emergencies and Disaster Management (2005)	http://www.wsis.ethz.ch/eoworkshop.htm

Scientific Publications (Reports, Proceedings, Statements, Declarations)

Publication	Website URL
A Contractually Reconstructed Research Commons for Scientific Data in a Highly Protectionist Intellectual Property Environment (Reichman and Uhlir, *66 Law & Contemporary Problems, 2003)*	http://www.law.duke.edu/journals/lcp/articles/lcp66dWinterSpring2003p315.htm
A Question of Balance: Private Rights and the Public Interest in Scientific and Technical Databases (NRC, 1999)	http://books.nap.edu/catalog/9692.html

Access to Databases: Principles for Science in the Internet Era (CODATA/ICSU, 2002)	http://www.codata.org/codata/data_access/principles.html
Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities (2003)	http://www.zim.mpg.de/openaccess-berlin/berlindeclaration.html
Bethesda Statement on Open Access Publishing (2003)	http://www.earlham.edu/%7Epeters/fos/bethesda.htm
Bits of Power: Issues in Global Access to Scientific Data (NRC, 1997)	http://books.nap.edu/catalog/5504.html
Budapest Open Access Initiative (2002)	http://www.soros.org/openaccess/index.shtml
Building Scientific Capacity: A TWAS Perspective (TWAS, 2004)	http://www.ictp.trieste.it/~twas/pdf/CapBuildReport.pdf
Can 'Open Science' be Protected from the Evolving Regime of IPR Protections? (David, 2004 revised)	http://siepr.stanford.edu/papers/pdf/02-42.html
CIESIN's Thematic Guides on the Human Dimensions of Global Environmental Change	http://sedac.ciesin.columbia.edu/tg/guide_main.jsp
CODATA Workshop on Archiving Scientific and Technical Data Final Report (CODATA, 2002)	http://www.codata.org/archives/2002/ArchivingWGPretoriaRpt.pdf
Declaration on Access to Research Data from Public Funding (OECD, 2004)	http://www.codataweb.org/UNESCOmtg/dryden-declaration.pdf
Digital Broadband Content: Scientific Publishing (OECD, 2005)	http://www.oecd.org/dataoecd/42/12/35393145.pdf
Digital Preservation and Permanent Access to Scientific Information: State of the Practice (CENDI/ICSTI, 2003)	http://cendi.dtic.mil/publications/04-3dig_preserv.html
Down to Earth: Geographical Information for Sustainable Development in Africa (NRC, 2002)	http://books.nap.edu/catalog/10455.html
Editorial on "Science and The Information Society" (*Science*, Vol 301, 2003)	http://www.icsu.org/Gestion/img/ICSU_DOC_DOWNLOAD/46_DD_FILE_Science_Editorial.pdf
Empowering Youth and Connecting Schools: Lessons from the SchoolNet Namibia Approach (INASP, 2004)	http://www.inasp.info/pubs/infobrief/inasp_infobrief_namibia.pdf
Energy and Sustainable Societies: Recommendations for ICSU from the Working Group on Energy and Sustainable Societies (ICSU, 2004)	http://www.icsu.org/Gestion/img/ICSU_DOC_DOWNLOAD/364_DD_FILE_Energy_Sus_Soc_Final_Rep-.pdf
Expanding Access to Research Data: Reconciling Risks and Opportunities (NRC, 2005)	http://www.nap.edu/catalog/11434.html
Global Spatial Data and Information: Development, Dissemination and Use (CIESIN, 2005)	http://sedac.ciesin.columbia.edu/GSDworkshop/
Harnessing Science and Technology for Sustainable Development: Water, Sanitation and Human Settlements (ICSU/WFEO, 2004)	http://www.icsu.org/Gestion/img/ICSU_DOC_DOWNLOAD/118_DD_FILE_Dialogue%20Paper%20CSD12.pdf
IAP Statement on Access to Scientific Information (2003)	http://www4.nationalacademies.org/iap/iaphome.nsf/weblinks/WWWW-5U6HHG?OpenDocument
IAP Statement on Health of Mother and Child in Developing Countries (2003)	http://www4.nationalacademies.org/iap/iaphome.nsf/weblinks/WWWW-5U6H4E?OpenDocument
IAP Statement on Science and the Media (2003)	http://www4.nationalacademies.org/iap/iaphome.nsf/weblinks/WWWW-5U6HGA?OpenDocument
IAP Statement on Science Education of Children (2003)	http://www4.nationalacademies.org/iap/iaphome.nsf/weblinks/WWWW-5U6HDB?OpenDocument
IAP Statement on Scientific Capacity Building (2003)	http://www4.nationalacademies.org/iap/iaphome.nsf/weblinks/WWWW-5U6H7X?OpenDocument

IAP Statement on Transition to Sustainability in the 21st Century: The Contribution of Science and Technology (2000)	http://www4.nationalacademies.org/iap/iaphome.nsf/weblinks/SAIN-4XVLCT?OpenDocument
ICSU Statement on Innovation and Investment: Scaling Science and Technology to Meet the Millennium Development Goals (2005)	http://www.icsu.org/Gestion/img/ICSU_DOC_DOWNLOAD/836_DD_FILE_ICSU_input.pdf
ICSU Statement on Science and Natural Disasters (2005)	http://www.icsu.org/Gestion/img/ICSU_DOC_DOWNLOAD/557_DD_FILE_Natural_Hazards.pdf
ICSU Statement on the Value of Basic Scientific Research (2004)	http://www.icsu.org/Gestion/img/ICSU_DOC_DOWNLOAD/549_DD_FILE_Basic_Sciences_12.04.pdf
ICSU Statement on Universality of Science in a Changing World (2004)	http://www.icsu.org/Gestion/img/ICSU_DOC_DOWNLOAD/567_DD_FILE_Universality.pdf
ICSU Strategic Review of Science and Society: Rights and Responsibilities (2005)	http://www.icsu.org/Gestion/img/ICSU_DOC_DOWNLOAD/364_DD_FILE_Energy_Sus_Soc_Final_Rep-.pdf
Innovation and Universities' Role In Commercializing Research Results: Second Thoughts about the Bayh-Dole Experiment (David, 2005)	http://siepr.stanford.edu/papers/pdf/04-27.html
Institutional Infrastructures for Global Research Networks in the Public Sector (Spence, 2005)	http://www.codataweb.org/UNESCOmtg/ptalk-spence-.pdf
Inventing a Better Future: A Strategy for Building Worldwide Capacities in Science and Technology (InterAcademy Council, 2004)	http://www.interacademycouncil.net/report.asp?id=6258
Licensing Geographic Data and Services (NRC, 2004)	http://books.nap.edu/catalog/10455.html
Long-Lived Digital Data Collections: Enabling Research and Education in the 21st Century (NSB, 2005)	http://www.nsf.gov/nsb/meetings/2005/LLDDC_draftreport.pdf
New Genetics, Food and Agriculture: Scientific Discoveries – Societal Dilemmas (ICSU, 2003)	http://www.icsu.org/Gestion/img/ICSU_DOC_DOWNLOAD/90_DD_FILE_ICSU_GMO%20report_May%202003.pdf
Open Access and the Public Domain in Digital Data and Information for Science (NRC, 2004)	http://books.nap.edu/catalog/11030.html
Opinion of the French Academy of Sciences Concerning Direct Scientific Communication (2005)	http://www.academie-sciences.fr/actualites/textes/ccsd_05_07_05_gb.pdf
Optimising Internet Bandwidth in Developing Country Higher Education (INASP, 2003)	http://www.inasp.info/pubs/bandwidth/index.html
Optimizing Knowledge in the Information Society (ICSU/ISSC, 2003)	http://www.icsu.org/Gestion/img/ICSU_DOC_DOWNLOAD/45_DD_FILE_english5.pdf
Preserving Scientific Data on Our Physical Universe: A New Strategy for Archiving the Nation's Scientific Information Resources (NRC, 1995)	http://stills.nap.edu/catalog/4871.html
Proceedings of the ICSTI/INIST/INSERM Seminar on Open Access to Scientific and Technical Information (*Information Services and Use*, Volume 23, Numbers 2-3, 2003)	http://iospress.metapress.com/(udom40nugfldftj5wy4ubl45)/app/home/issue.asp?referrer=parent&backto=journal,8,25;linkingpublicationresults,1:103157,1
Promoting Access to Public Research Data for Scientific, Economic, and Social Development (OECD Follow Up Group on Issues of Access to Publicly Funded Research Data, 2003)	http://dataaccess.ucsd.edu/Final_Report_2003.pdf
Realizing the Promise and Potential of African Agriculture: Science and technology strategies for improving agricultural productivity and food security in Africa (InterAcademy Council, 2004)	http://www.interacademycouncil.net/report.asp?id=6959

Report of the CSPR Assessment Panel on Environment and its Relation to Sustainable Development (ICSU, 2003)	http://www.icsu.org/Gestion/img/ICSU_DOC_DOWNLOAD/58_DD_FILE_ICSU_PAA_REPORT.pdf
Revolutionizing Science and Engineering Through Cyberinfrastructure: Report of the National Science Foundation Blue-Ribbon Advisory Panel on Cyberinfrastructure (NSF, 2003)	http://www.nsf.gov/cise/sci/reports/CH1.pdf
Role of Scientific and Technical Data and Information in the Public Domain (NRC, 2003)	http://books.nap.edu/catalog/10785.html
Science and Technology and the Future of Cities (IAP, 1996)	http://www4.nationalacademies.org/iap/iaphome.nsf/weblinks/SAIN-4XVKUB?OpenDocument
Science And Traditional Knowledge: Report from the ICSU Study Group on Science and Traditional Knowledge (ICSU, 2002)	http://www.icsu.org/Gestion/img/ICSU_DOC_DOWNLOAD/220_DD_FILE_Traitional_Knowledge_report.pdf
Science in the Information Society: Decision making and governance (ICSU, 2003)	http://www.icsu.org/Gestion/img/ICSU_DOC_DOWNLOAD/35_DD_FILE_anglais2.pdf
Science in the Information Society: Improving education and training (ICSU, 2003)	http://www.icsu.org/Gestion/img/ICSU_DOC_DOWNLOAD/42_DD_FILE_anglais4.pdf
Science in the Information Society: Policy issues for scientific information (ICSU, 2003)	http://www.icsu.org/Gestion/img/ICSU_DOC_DOWNLOAD/38_DD_FILE_anglais3.pdf
Science in the Information Society: Universal access to scientific knowledge (ICSU, 2003)	http://www.icsu.org/Gestion/img/ICSU_DOC_DOWNLOAD/32_DD_FILE_anglais1.pdf
Science, technology, and innovation for achieving United Nations Millennium Development Goals (2005)	http://www.icsu.org/Gestion/img/ICSU_DOC_DOWNLOAD/837_DD_FILE_ICSU_Statement_13.09.pdf
Scientific Data and Information, a report of the CSPR Assessment Panel (ICSU, 2004)	http://www.icsu.org/2_resourcecentre/Resource.php4?rub=9&id=27
Scientific Data for Decision Making Toward Sustainable Development: Senegal River Basin Case Study—Summary of a Workshop (NRC, 2003)	http://books.nap.edu/catalog/10546.html
Sharing Publication-Related Data and Materials: Responsibilities of Authorship in the Life Sciences (NRC, 2003)	http://stills.nap.edu/catalog/10613.html
Standards for Ethics and Responsibility in Science (ICSU, 2002)	http://www.icsu.org/2_resourcecentre/Resource.php4?rub=7&id=78
The Book Chain in Anglophone Africa (INASP, 2002)	http://www.inasp.info/pubs/bookchain/index.html
The Digital Dilemma: Intellectual Property in the Information Age (NRC, 2000)	http://stills.nap.edu/catalog/9601.html
The Economic Logic of "Open Science" and the Balance between Private Property Rights and the Public Domain in Scientific Data and Information: A Primer (David, 2003)	http://siepr.stanford.edu/papers/pdf/02-30.html
The Ghana Interlibrary Lending and Document Delivery Network (GILLDDNET) (INASP, 2004)	http://www.inasp.info/pubs/gillddnet/index.html
The Information Imperative: A Framework for Measuring Impacts of STM Information Services and STM Information Organizations (ICSTI, 2003)	http://www.icsti.org/study_info_e.html
The Selection, Appraisal and Retention of Scientific Data (ERPANET, 2004)	http://www.erpanet.org/events/2003/lisbon/LisbonReportFinal.pdf
The Use of ICTs in African Public Libraries: Survey of Ten Countries in Anglophone Africa (INASP, 2004)	http://www.inasp.info/pubs/icts/contents.html
The Use of Information and Communication Technologies (ICTs) in African Public Library Services (INASP, 2004)	http://www.inasp.info/pubs/infobrief/inasp_infobrief_ICT.pdf
Towards a cyberinfrastructure for enhanced scientific collaboration: Providing its "soft" foundations may be the hardest part (David, 2005)	http://www.oii.ox.ac.uk/resources/publications/RR4.pdf

Towards Institutional Infrastructures for e-Science: The Scope of the Challenge (David and Spence, 2003)	http://www.oii.ox.ac.uk/resources/publications/RR2.pdf
Towards the Digital Library in Africa (INASP, 2005)	http://www.inasp.info/pubs/infobrief/inasp_infobrief_library.pdf
Towards the digital library: findings of an investigation to establish the current status of university libraries in Africa (INASP, 2005)	http://www.inasp.info/pubs/INASPdigitallib.pdf
UNESCO Policy Guidelines for the Development and Promotion of Governmental Public Domain Information (2004)	http://portal.unesco.org/ci/en/ev.php-URL_ID=15862&URL_DO=DO_TOPIC&URL_SECTION=201.html
Washington D.C. Principles for Free Access to Science (2004)	http://www.dcprinciples.org/statement.htm
Workshop Report on a Future Information Infrastructure for the Physical Sciences (DOE, 2000)	http://www.osti.gov/physicalsciences/
World Summit on Sustainable Development Reports Collection (ICSU, 2002)	http://www.icsu.org/2_resourcecentre/Resource.php4?rub=8&id=29

Scientific, Technical and Medical Journals and Related Resources

Journal/Resource	Website URL
A Guidebook on Journal Publishing for Agricultural and Rural Development (INASP, 2001)	http://www.inasp.info/psi/ard/guidebook.html
Access to Global Online Research in Agriculture (AGORA)	http://www.aginternetwork.org
African e-Journals Project	http://africa.msu.edu/AEJP/
African Journals Online	http://www.ajol.info/
AgBioForum: Journal of Agrobiotechnology, Management, & Economics	http://www.agbioforum.org/
Air & Space Power Journal	http://www.airpower.maxwell.af.mil/airchronicles/apje.html
American Family Physician	http://www.aafp.org/afp.xml
American Journal of Biochemistry and Biotechnology	http://www.scipub.us/c4p.php?j_id=ajbb
American Journal of Environmental Sciences	http://www.scipub.us/c4p.php?j_id=ajes
American Journal of Infectious Diseases	http://www.scipub.us/c4p.php?j_id=ajid
Angle Orthodontist	http://www.angleorthodontist.org/anglonline/?request=index-html
Annals of Family Medicine online	http://www.annfammed.org/
Are Chemical Journals Too Expensive and Inaccessible?: A Workshop Summary to the Chemical Sciences Roundtable (NRC, 2005)	http://books.nap.edu/catalog/11288.html
ARKIVOC - Online Journal of Organic Chemistry	http://www.arkat-usa.org/ark/arkivoc/arkivoc_articles.asp
Asia Network for Scientific Information (ANSInet) Publishing	http://www.ansinet.org/journals.php
Atmospheric Chemistry and Physics	http://www.copernicus.org/EGU/acp/
Biodiversity Informatics	http://jbi.nhm.ku.edu/index.php
Bioline International	http://www.bioline.org.br/
BioMed Central	http://www.biomedcentral.com/
Biomedical Digital Libraries	http://www.bio-diglib.com/home/
BioOne	http://www.bioone.org/perlserv/?request=index-html
Bioscene: Journal of College Biology Teaching	http://acube.org/publications.html
Bulletin of the American Society for Information Science and Technology	http://www.asis.org/Bulletin/index.html
Bulletin on the Rheumatic Diseases	http://www.arthritis.org/research/bulletin/archives.asp

CARDINEX	http://www.inasp.info/iah/index.shtml
Cell Biology Education	http://www.cellbioed.org/
Cleveland Clinic Journal of Medicine	http://www.ccjm.org/
Clinical Diabetes online	http://clinical.diabetesjournals.org/
Clinical Geriatrics	http://www.hmpcommunications.com/cg/
CODATA Data Science Journal	http://www.datasciencejournal.org/
Contemporary Issues in Technology and Teacher Education	http://www.citejournal.org/vol1/iss1/frontpages/toc.html
Crosstalk: Journal of Defense Software Engineering	http://www.stsc.hill.af.mil/CrossTalk/2005/08/index.html
Current Research in Earth Sciences	http://www.kgs.ku.edu/Current/
Directory of Open Access Journals	http://www.doaj.org/home
E-journals: Developing Country Access Survey (INASP, 2003)	http://www.inasp.info/pubs/survey.html
Electronic Green Journal	http://egj.lib.uidaho.edu/
Electronic Journal of Geotechnical Engineering	http://www.ejge.com/index_ejge.htm
Electronic Journal Publishing: A Reader Version 2.0 (INASP, 2001)	http://www.inasp.info/psi/ejp/index.html
Electronic Scientific, Technical, and Medical Journal Publishing and Its Implications: Report of a Symposium (NRC, 2004)	http://books.nap.edu/catalog/10969.html
Electronic Scientific, Technical, and Medical Journal Publishing and Its Implications: Proceedings of a Symposium (NRC, 2004)	http://books.nap.edu/catalog/10983.html
Emerging Infectious Diseases	http://www.cdc.gov/ncidod/eid/index.htm
Energy Citations Database	http://www.osti.gov/energycitations/
Environmental Health Perspectives	http://ehp.niehs.nih.gov/
Ethnobotany Research and Applications	http://www.ethnobotanyjournal.org/
EURASIP Journal on Wireless Communications and Networking	http://www.hindawi.com/journals/wcn/index.html
Family Medicine Journal	http://stfm.org/fmhub/fmhub.html
Family Practice Management	http://www.aafp.org/fpm.xml
French National Institute for Research in Computer Science and Control's (INRIA) Open Archive: HAL INRIA	http://www.codataweb.org/UNESCOmtg/pres-vercoustre.pdf
Getting Started in Electronic Journal Publishing (INASP, 2002)	http://www.inasp.info/psi/ejp/essay.html
Health InterNetwork Access Research Initiative (HINARI)	http://www.who.int/hinari/en
Hematology	http://www.asheducationbook.org/
IBM Journal of Research and Development	http://domino.research.ibm.com/tchjr/journalindex.nsf/ResVolumes?OpenView
IBM Systems Journal	http://domino.research.ibm.com/tchjr/journalindex.nsf/SysVolumes?OpenView
ICTP-TWAS electronic Journals Delivery Service (eJDS)	http://www.ejds.org/
Information Technology, Learning, and Performance Journal	http://www.osra.org/journal.html
Interactive Multimedia Electronic Journal of Computer - Enhanced Learning	http://imej.wfu.edu/
InterJournal	http://www.interjournal.org/
International Journal of Construction Education and Research	http://www.ascjournal.ascweb.org/
Journal Access Programmes in African University Libraries (INASP, 2005)	http://www.inasp.info/pubs/infobrief/INASPinfobrief6.pdf
Journal of Biomedicine and Biotechnology	http://www.hindawi.com/journals/jbb/
Journal of Community Informatics	http://ci-journal.net/index.php
Journal of Computer Science	http://ansinet.org/sciencepub/c4p.php?j_id=jcs
Journal of Contemporary Dental Practice	http://www.thejcdp.com/
Journal of Design Communication	http://scholar.lib.vt.edu/ejournals/JDC/

Journal of Invasive Cardiology	http://www.invasivecardiology.com/jic/index.cfm
Journal of Machine Learning Research	http://jmlr.csail.mit.edu/
Journal of Political Ecology: Case Studies in History and Society	http://dizzy.library.arizona.edu/ej/jpe/jpeweb.html
Journal of Postgraduate Medicine	http://www.bioline.org.br/jp
Journal of Research of the National Institute of Standards and Technology	http://nvl.nist.gov/nvl3.cfm?doc_id=89&s_id=117#jr
Journal of Spatial Hydrology	http://www.spatialhydrology.com/journal/
Journal of Technology Education	http://scholar.lib.vt.edu/ejournals/JTE/
Journal of Technology Studies	http://www.eptglobal.org
Journal of Transportation and Statistics	http://www.bts.gov/publications/journal_of_transportation_and_statistics/
Mathematical Problems in Engineering	http://www.hindawi.com/journals/mpe/index.html
Molecular Vision	http://www.molvis.org/molvis/about.html
Northwestern Journal of Technology and Intellectual Property	http://www.law.northwestern.edu/journals/njtip/index.htm
Nuclear Receptor Signaling	http://www.nursa.org/template.cfm?threadId=6
Online Journal of Issues in Nursing	http://www.nursingworld.org/ojin/
Online Journal of Nursing Informatics	http://www.eaa-knowledge.com/ojni/purpose.htm
Online Journal of Rural Nursing and Health Care	http://www.rno.org/journal/index.htm
Palaeontologia Electronica	http://palaeo-electronica.org/
Park Science	http://www2.nature.nps.gov/parksci/
PLoS Biology	http://biology.plosjournals.org/perlserv/?request=index-html&issn=1545-7885
PLoS Computational Biology	http://compbiol.plosjournals.org/perlserv/?request=index-html&issn=1553-7358
PLoS Genetics	http://genetics.plosjournals.org/perlserv/?request=index-html&issn=1553-7404
PLoS Pathogens	http://pathogens.plosjournals.org/perlserv/?request=index-html&issn=1553-7374
Proceedings of the American Thoracic Society	http://pats.atsjournals.org/
Proceedings of the Ocean Drilling Program	http://www-odp.tamu.edu/publications/
Project Euclid	http://projecteuclid.org/Dienst/UI/1.0/Home
Public Knowledge Project Open Journal Systems	http://pkp.sfu.ca/ojs/
San Francisco Estuary and Watershed Science	http://repositories.cdlib.org/jmie/sfews/about.html
SciElo: Scientific Electronic Library Online	http://www.scielo.org/index.php?lang=en
Studies in Nonlinear Dynamics and Econometrics	http://www.bepress.com/snde
Sustainability: Science, Practice, & Policy	http://ejournal.nbii.org/
Techné: Research in Philosophy and Technology	http://scholar.lib.vt.edu/ejournals/SPT/spt.html
TerraLib	http://www.terralib.org/
Texas Heart Institute Journal	http://www.pubmedcentral.nih.gov/tocrender.fcgi?action=archive&journal=92
The Electronic Journal of Boundary Elements	http://ejbe.libraries.rutgers.edu/
The Essential Electronic Agricultural Library (TEEAL)	http://www.teeal.org
The International Journal of Rotating Machinery	http://www.hindawi.com/journals/ijrm/index.html
The Internet Journal of Advanced Nursing Practice	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijanp/front.xml+P94
The Internet Journal of Asthma, Allergy and Immunology	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijaai/front.xml
The Internet Journal of Cardiology	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijc/front.xml

The Internet Journal of Dental Science	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijds/front.xml
The Internet Journal of Emergency and Intensive Care Medicine	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijeicm/front.xml
The Internet Journal of Endocrinology	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijen/front.xml
The Internet Journal of Gastroenterology	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijge/front.xml
The Internet Journal of Genomics and Proteomics	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijgp/front.xml
The Internet Journal of Geriatrics and Gerontology	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijgg/front.xml
The Internet Journal of Hematology	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijhe/front.xml
The Internet Journal of Infectious Diseases	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijid/front.xml
The Internet Journal of Internal Medicine	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijim/front.xml
The Internet Journal of Nephrology	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijne/front.xml
The Internet Journal of Orthopedic Surgery	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijos/front.xml
The Internet Journal of Parasitic Diseases	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijpd/front.xml
The Internet Journal of Perfusionists	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijpf/front.xml
The Internet Journal of Pulmonary Medicine	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijpm/front.xml
The Internet Journal of Radiology	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijra/front.xml
The Internet Journal of Rescue and Disaster Medicine	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijrdm/front.xml
The Internet Journal of Rheumatology	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijrh/front.xml
The Internet Journal of Thoracic and Cardiovascular Surgery	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijtcvs/front.xml
The Internet Journal of Tropical Medicine	http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijtm/front.xml
The Journal of Artificial Intelligence Research	http://www.cs.washington.edu/research/jair/
The Journal of Industrial Technology	http://www.nait.org/jit/jit.html
The Journal of Instruction-Level Parallelism	http://www.jilp.org/
The Journal of Philosophy, Science and Law	http://www.psljournal.com/
The Journal of the Association of History and Computing	http://mcel.pacificu.edu/JAHC/jahcindex.htm
The New York State Dental Journal	http://www.nysdental.org/publications/
Thomson Scientific Master Journal	http://www.thomsonscientific.com/cgibin/jrnlst/jlresults.cgi?PC=MASTER
Topics in Advanced Practice Nursing	http://www.medscape.com/viewpublication/527_index
U.S. Department of Energy's Office of Scientific and Technical Information E-print Network	http://www.osti.gov/eprints
U.S. National Institutes of Health PubMed Central	http://www.pubmedcentral.nih.gov/
Urban Habitats	http://www.urbanhabitats.org/
URISA Journal	http://www.urisa.org/journal.htm

Scientific Toolkits and Training

Toolkit or Training	Website URL
CIESIN/SEDAC Metadata Guide/Toolkit	http://sedac.ciesin.columbia.edu/metadata/
Confidentiality Issues in Geospatial Data Applications	http://sedac.ciesin.columbia.edu/confidentiality/
ERPANET Digital Preservation Policy Tool	http://www.erpanet.org/guidance/docs/ERPANETPolicyTool.pdf
Fogarty International Center Informatics Training for Global Health	http://www.fic.nih.gov/programs/itgh.html
IAP WSIS Science and Development Tool Kit	http://www4.nationalacademies.org/iap/iaphome.nsf/weblinks/WWWW-6GNDTJ/$file/WSIS%20background.pdf?OpenElement
INASP Proactive Librarianship: Marketing and Public Relations—A Manual for Workshop Presenters	http://www.inasp.info/pubs/pro-librarians/
INASP Accessing Information in Developing Countries	http://www.inasp.info/training/access-info/
INASP Bandwidth Optimisation and Management Training Support	http://www.inasp.info/training/bandwidth/
INASP Electronic Information Resources for Health Workers	http://www.inasp.info/training/health/
INASP Electronic Journals and Electronic Resources Library Management	http://www.inasp.info/training/ejournals/
INASP PC Troubleshooting for Library Personnel	http://www.inasp.info/training/ict-troubleshooting/
INASP Public Libraries Workshop: Introduction to Using the Internet in Public Libraries in Selected African Countries	http://www.inasp.info/training/public-libraries/
iTrain Online	http://www.itrainonline.org/
IUPsyS Advanced Research and Training Seminars	http://www.am.org/iupsys/arts/arts-home.html
Masters courses in community information and informatics, community-oriented systems design	http://www.slis.indiana.edu/
Stanford-South Africa Biomedical Informatics Training Program	http://southafrica.stanford.edu/
U.S. Geological Survey Records Appraisal Tool	http://edc2.usgs.gov/government/RAT/tool.asp
U.S. Geological Survey Records Management Tools	http://edc2.usgs.gov/government/records/tools.asp

Portals and Gateways to Scientific Resources

Portal/Gateway	Website URL
CIESIN's Geospatial Electronic Records Portal	http://ciesin.columbia.edu/ger/
ClinicalTrials.gov	http://clinicaltrials.gov/
CODATA/ICSTI Portal on Permanent Access to Scientific Data and Information	http://www.nap.edu/shelves/codata/index/html
Earth Observing System (EOS) Data Gateway	http://edcimswww.cr.usgs.gov/pub/imswelcome/
Geodata.gov—Geospatial One Stop	http://www.geodata.gov/gos
Global Change Master Directory: a directory to Earth science data and services	http://gcmd.gsfc.nasa.gov/KeywordSearch/Keywords.do?Portal=GCMD&KeywordPath=DataCenters&MetadataType=0&lbnode=gcmd3
Global Spatial Data Infrastructure Gateway	http://gateway.gsdi.org/weswww/portal/index.html
INASP Health Links	http://www.inasp.info/health/links/index.shtml
INASP Links for Rural Development	http://www.inasp.info/links/south.html

Ocean Portal	http://oceanportal.org/
Preserving Access to Digital Information (PADI)	http://www.nla.gov.au/padi/
Science.gov: FirstGov for Science	http://www.science.gov
U.S. Geological Survey Library	http://library.usgs.gov/
U.S. Geological Survey Publications Warehouse	http://infotrek.er.usgs.gov/pubs/
U.S. Geological Survey Science Topics	http://www.usgs.gov/science/
U.S. Government Printing Office Information Bridge	http://www.gpoaccess.gov
U.S. National Academies WSIS Collection	http://wsis.nap.edu
U.S. National Library of Medicine Databases and Electronic Resources	http://www.nlm.nih.gov/databases/index.html
U.S. National Library of Medicine Non-English Guides	http://nnlm.gov/nnlm/online/lang/
U.S. National Library of Medicine Specialized Information Services	http://sis.nlm.nih.gov/tox_chart.cfm
U.S. National Water Data—NWISWeb	http://waterdata.usgs.gov/nwis/
UNESCO Archives Portal	http://portal.unesco.org/ci/en/ev.php-URL_ID=5761&URL_DO=DO_TOPIC&URL_SECTION=201.html
UNESCO Free and Open Software Portal	http://portal.unesco.org/ci/en/ev.php-URL_ID=12034&URL_DO=DO_TOPIC&URL_SECTION=201.html
UNESCO Libraries Portal	http://portal.unesco.org/ci/en/ev.php-URL_ID=6513&URL_DO=DO_TOPIC&URL_SECTION=201.html
UNESCO Observatory on the Information Society	http://portal.unesco.org/ci/en/ev.php-URL_ID=7277&URL_DO=DO_TOPIC&URL_SECTION=201.html
WSIS Science online.net	http://www.wsis-online.net/science/home_EN/