



## CONVENTION ON BIOLOGICAL DIVERSITY

Distr.  
GENERAL

UNEP/CBD/SBSTTA/7/INF/8  
2 November 2001

ENGLISH ONLY

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### SUBSIDIARY BODY ON SCIENTIFIC, TECHNICAL AND TECHNOLOGICAL ADVICE

Seventh meeting

Montreal, 12-16 November 2001

Item 3.2 of the provisional agenda\*

#### REPORTS: ASSESSMENT PROCESSES

#### *List of ongoing and proposed assessments in thematic areas of the Convention on Biological Diversity*

*Note by the Executive Secretary*

#### *Executive summary*

1. The present note, which is being circulated for the information of participants in the seventh meeting of the Subsidiary Body on Scientific, Technical and Technological Advice (SBSTTA), is intended to supplement the Executive Secretary's progress report on ongoing assessment process (UNEP/CBD/SBSTTA/7/3) prepared in response to decision V/20 of the Conference of the Parties and recommendation VI/5 of the Subsidiary Body on Scientific, Technical and Technological Advice (SBSTTA) on the issue of scientific assessments.

2. The note provides a preliminary list of ongoing and proposed assessments in thematic areas of the Convention on Biological Diversity, namely in inland waters ecosystems, marine and coastal biological diversity, forest biological diversity, agricultural biodiversity, biological diversity of dry and sub-humid lands, and mountains biological diversity. The note begins with a list of cross-thematic initiatives. For each ongoing assessment, the table presents the name and website of the activity, the lead agencies, comments on the relevance to the Convention and the geographical coverage. This note should be considered as a "work in progress". The Secretariat encourages individuals, organizations and governments to contribute to complete this work.

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\* UNEP/CBD/SBSTTA/7/1.

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**LIST OF ON-GOING AND PROPOSED ASSESSMENTS IN THEMATIC  
AREAS OF THE CONVENTION ON BIOLOGICAL DIVERSITY**

***COMPREHENSIVE GENERAL ASSESSMENTS (CROSS-THEMATIC)***

<i>Name and Website</i>	<i>Lead agency</i>	<i>Relevance to CBD and Coverage</i>
Millennium Ecosystem Assessment (MA) <a href="http://www.ma-secretariat.org/en/index.htm">http://www.ma-secretariat.org/en/index.htm</a>	UNEP	MA is a user-driven process designed to address assessment needs of CBD, CCD and Ramsar Convention on all ecosystem types. Integrated ecosystem assessment. Coverage: Global
Earthwatch <a href="http://www.unep.ch/earthw.html">http://www.unep.ch/earthw.html</a>	UNEP	Coordinates, harmonizes and integrates environmental observing, assessment and reporting activities within the United Nations system. Coverage: Global
Global Biodiversity Information Facility <a href="http://www.oecd.org/ehs/icgb/biodiv8.htm">http://www.oecd.org/ehs/icgb/biodiv8.htm</a>	OECD	Information and database relevant to biodiversity (research, inventories, access, etc.) Coverage: Global
Global Environment Outlook <a href="http://www.unep.org/Geo2000/">http://www.unep.org/Geo2000/</a>	UNEP	Comprehensive assessment of environmental crisis Coverage: Global
Global Terrestrial Observing System <a href="http://www.fao.org/gtos">http://www.fao.org/gtos</a>	FAO	Permanent global system to provide data on changes of terrestrial ecosystems Coverage: Global
World Resources Report <a href="http://www.wri.org/wr2000">http://www.wri.org/wr2000</a>	WRI	Comprehensive assessment of status of ecosystems. Coverage: Global
FAOSTAT <a href="http://apps.fao.org/">http://apps.fao.org/</a>	FAO	FAOSTAT covers international statistics in areas such as: production, trade, fertilizer and pesticides, land use and irrigation, forest, fisheries and agricultural products. Global database and assessments include the market analysis and appraisal of socio-economic contribution of certain products, economic valuation of the conservation of different components of agricultural biodiversity, and of certain techniques and management practices.

<i>Name and Website</i>	<i>Lead agency</i>	<i>Relevance to CBD and Coverage</i>
		Coverage: Global
Biodiversity: its importance to human health <a href="http://www.med.harvard.edu/chge/biodiversity.pdf">http://www.med.harvard.edu/chge/biodiversity.pdf</a>	WHO; UNEP; Center for Health and the Global Environment, Harvard Medical School	Ecosystem services and components of biodiversity contribute to human health. They provide life-support services and goods. Consequences of ecosystem disturbances and biodiversity loss can be detrimental to human health.

**INLAND WATERS**

<i>Name and Website</i>	<i>Lead agency</i>	<i>Relevance to CBD and Coverage</i>
Global International Water Assessment (GIWA) <a href="http://www.giwa.net/index.phtml">http://www.giwa.net/index.phtml</a>	UNEP	Assessment of inland water and coastal/marine ecosystems. Coverage: Global
World Water Assessment Programme (WWAP) <a href="http://www.unesco.org/water/wwap/index.shtml">http://www.unesco.org/water/wwap/index.shtml</a>	UN-ACC/SCWR	A programme to develop the tools and skills needed to achieve a better understanding of basic processes, management practices and policies that will help improve the supply and quality of global freshwater resources. Coverage: Global
AquaRap <a href="http://www.conservation.org/xp/CIWEB/home">http://www.conservation.org/xp/CIWEB/home</a>	Conservation International	AquaRap is devoted to identify conservation priorities in freshwater ecosystems in Latin America. Coverage: Regional – Latin America
Water and Nature Initiative <a href="http://www.waterandnature.org/">http://www.waterandnature.org/</a> <a href="http://indaba.iucn.org/external/themes/wani/">http://indaba.iucn.org/external/themes/wani/</a>	IUCN	The initiative includes assessing the status of freshwater biodiversity to improve information on freshwater biodiversity through regional networks to feed into the Species Information System and basin management Coverage: Global

**MARINE AND COASTAL BIOLOGICAL DIVERSITY**

<i>Name and Website</i>	<i>Lead agency</i>	<i>Relevance to CBD and Coverage</i>
<b>1. ECOSYSTEM ASSESSMENTS</b>		
<b>a) Comprehensive (all marines ecosystems)</b>		
Global International Waters Assessment (GIWA) <a href="http://www.giwa.net">http://www.giwa.net</a>	UNEP	Assessment of inland waters and coastal/marine ecosystems. Coverage: Global
Global Ocean Observing System (GOOS) <a href="http://www.ioc.unesco.org/goos">http://www.ioc.unesco.org/goos</a>	IOC	Permanent global system for monitoring and modelling ocean data. Coverage: Global
Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection (GESAMP) <a href="http://gesamp.imo.org/">http://gesamp.imo.org/</a>	IMO (as the administrative secretariat), UN, UNEP, FAO, UNESCO, IOC, WHO, IAEA	Provides advice relating to the scientific aspects of marine environmental protection, and prepares periodic reviews and assessments of the state of the marine environment, including identification of problems. Coverage: Global
Land-Ocean Interactions in the Coastal Zone (LOICZ) <a href="http://www.nioz.nl/loicz/">http://www.nioz.nl/loicz/</a>	Netherlands Institute for Sea Research	Aims to provide a sound scientific basis for the future sustainable use and integrated management of these environments, under conditions of global change. Coverage: Global, Regional and National
FAO Database on Introductions of Aquatic Species (DIAS) for the responsible use of alien species and genotypes <a href="http://www.fao.org/WAICENT/FAOINFO/FISHERY/status/fisofit/dias/index.htm">http://www.fao.org/WAICENT/FAOINFO/FISHERY/status/fisofit/dias/index.htm</a>	FAO	Registry of international introductions of alien species with environmental and social/economic impacts, reason for introduction, and responsible group. Coverage: Global
The Ad Hoc Benthic Indicator Group	IOC	Development of indicators for assessment of condition of marine benthic communities Coverage: Global
<b>b) Tropical</b>		
Global Coral Reef Monitoring Network (GCRMN) <a href="http://www.coral.noaa.gov/gcrmn/">http://www.coral.noaa.gov/gcrmn/</a>	ICRI	Monitoring network for coral reef ecosystems Coverage: Global
Reef Check <a href="http://www.reefcheck.org/">http://www.reefcheck.org/</a>	Institute of the Environment, University of California at Los Angeles	Global coral reef education, monitoring and management programme Coverage: Global

<i>Name and Website</i>	<i>Lead agency</i>	<i>Relevance to CBD and Coverage</i>
Marine Rapid Assessment Program <a href="http://www.conservation.org/">http://www.conservation.org/</a>	Conservation International	Aims to rapidly generate and disseminate information on coastal and near-shore shallow-water marine biodiversity, recommends priorities for conservation areas Coverage: Global
Reefs at Risk <a href="http://www.wri.org/marine/">http://www.wri.org/marine/</a>	WRI	A global map-based indicator of threats to coral reefs Coverage: Global
Regional Reefs at Risk: South East Asia <a href="http://www.wri.org/marine/">http://www.wri.org/marine/</a>	WRI	A map-based indicator of threats to coral reefs in South East Asia Coverage: Regional – South East Asia
Coral reefs and mangroves of the world <a href="http://www.unep-wcmc.org/">http://www.unep-wcmc.org/</a>	WCMC	Global maps of the extent of coral reefs and mangroves Coverage: Global
Global Coral Disease database <a href="http://www.unep-wcmc.org/marine/coraldis/home.htm">http://www.unep-wcmc.org/marine/coraldis/home.htm</a>	WCMC	Database and maps of different coral diseases Coverage: Global
Study Group on Indicators of Coral Bleaching and Related Indicators of Coral Reef Health	IOC	Aims to assess the condition (or health) of coral reefs using physiological techniques Coverage: Global
Caribbean Coastal Marine Productivity Programme (CARICOMP) <a href="http://isis.uwimona.edu.jm/centres/cms/caricomp/">http://isis.uwimona.edu.jm/centres/cms/caricomp/</a>	University of West Indies, Jamaica	A regional scientific effort to study land-sea interaction process, to monitor for change, and to provide appropriate scientific information for management. Coverage: Regional - CARICOM
Coral Reef Degradation in the Indian Ocean (CORDIO) Program <a href="http://www.cordio.org/">http://www.cordio.org/</a>	South Asia Co-operative Environment Programme (SACEP) and Western Indian Ocean Marine Science Association (WIOMSA)	Ecological and socio-economic effects of coral degradation in the coastal areas of the Indian Ocean region, including investigation of mitigation and rehabilitation measures, and long-term monitoring. Coverage: Regional – Indian Ocean

<i>Name and Website</i>	<i>Lead agency</i>	<i>Relevance to CBD and Coverage</i>
Atlantic and Gulf Rapid Reef Assessment (AGRRA) <a href="http://coral.aoml.noaa.gov/agra/">http://coral.aoml.noaa.gov/agra/</a>	University of Miami	International collaboration of scientists and managers aimed at determining the regional condition of reefs in the Western Atlantic and Gulf of Mexico, including extensive regional database on coral reef condition Coverage: Regional – Western Atlantic and Gulf of Mexico
The Australian Institute of Marine Science (AIMS) Monitoring Programme <a href="http://www.aims.gov.au/pages/research/reef-monitoring/reef-monitoring-index.html">http://www.aims.gov.au/pages/research/reef-monitoring/reef-monitoring-index.html</a>	AIMS	Long-term quantitative data on coral reefs spanning much of the Great Barrier Reef. Each year, information is gathered on corals, algae, reef fishes. Coverage: National – Australia
The Vitareef Programme <a href="http://www.cofc.edu/~coral/Vitareef/vitareef.htm">http://www.cofc.edu/~coral/Vitareef/vitareef.htm</a>	University of Charleston	A standardized method of characterizing the conditions of reef corals Coverage: Regional - Caribbean
<b>c) Temperate/arctic</b>		
The Arctic Monitoring and Assessment Programme (AMAP) <a href="http://www.amap.no/">http://www.amap.no/</a>	The Arctic Council	Information on the status of, and threats to, the Arctic environment, including marine. Coverage: Regional - Arctic
The Trilateral Monitoring and Assessment Programme (TMAP) <a href="http://cwss.www.de/TMAP/Monitoring.html">http://cwss.www.de/TMAP/Monitoring.html</a>	Common Wadden Sea Secretariat	Integrated monitoring and assessment of the Wadden Sea ecosystem as a whole Coverage: Regional – Wadden Sea area (Germany, The Netherlands and Denmark)
OSPAR Quality Status Reports <a href="http://www.ospar.org/">http://www.ospar.org/</a>	OSPAR Secretariat	Assessment of environmental quality of North-East Atlantic Coverage: Regional – North-East Atlantic
Periodic Assessment of the State of the Marine Environment of the Baltic Sea <a href="http://www.helcom.fi/">http://www.helcom.fi/</a>	HELCOM Secretariat	Assessment of status of the Baltic Sea Coverage: Regional – Baltic Sea
<b>2. FISHERIES AND FISH ASSESSMENTS</b>		
FAO Fisheries Statistics <a href="http://www.fao.org/fi/statist/statist.asp">http://www.fao.org/fi/statist/statist.asp</a>	FAO	Fishery statistical databases and summaries Coverage: Global
State of the World's Fisheries and Aquaculture (SOFIA) <a href="http://www.fao.org/sof/sofia/index_en.htm">http://www.fao.org/sof/sofia/index_en.htm</a>	FAO	Report published every two years with the purpose of providing a comprehensive, objective and global view of capture fisheries and aquaculture, including associated policy issues

<i>Name and Website</i>	<i>Lead agency</i>	<i>Relevance to CBD and Coverage</i>
		Coverage: Global
South Pacific Regional Comparative Resource Assessment Project <a href="http://www.spc.org.nc/coastfish/Projects/EURAD.HTM">http://www.spc.org.nc/coastfish/Projects/EURAD.HTM</a>	Secretariat to the Pacific Community (SPC) Coastal Fisheries Programme	To enable the current status and problems of fishery resources on key Pacific Island coral reefs to be compared relative to each other through the application of identical assessment methodologies Coverage: Regional – South Pacific
CARICOM Fisheries Resource Assessment and Management Program (CFRAMP) <a href="http://www.caricom-fisheries.com/cframp.htm">http://www.caricom-fisheries.com/cframp.htm</a>	CARICOM	Promotes sustainable development and conservation of the region's fish stocks to permit sustainable use of these resources by the people in the region. Includes enhancing basic information on fisheries. Coverage: Regional - CARICOM
The Reef Environmental Education Foundation (REEF) Fish Survey Project <a href="http://www.reef.org/data/surveyproject.htm">http://www.reef.org/data/surveyproject.htm</a>	The Reef Environmental Education Foundation	Collection of fish distribution and relative abundance data in the tropical northwest Atlantic, using a standardized visual survey method. Coverage: Regional – Northwest Atlantic
<b>3. ASSESSMENT OF ENVIRONMENTAL VARIABLES</b>		
Rapid Assessment of Marine Pollution (RAMP) <a href="http://www.coexploration.org/ramp/index.htm">http://www.coexploration.org/ramp/index.htm</a>	IOC	Development of inexpensive, easy to use ecotoxicological and chemical tools to provide preliminary information about the extent of environmental contamination and the well-being of natural biota Coverage: Global
Baltic On-Line Interactive Geographical and Environmental Information Service (BOING) <a href="http://data.ecology.su.se/boing/">http://data.ecology.su.se/boing/</a>	UNEP-GRID Arendal, Finnish Institute of Marine Research, Department of Systems Ecology, Stockholm University	Eutrophication in the Baltic Sea, including data, indicators and maps Coverage: Regional - Baltic Sea

**FOREST BIOLOGICAL DIVERSITY**

<i>Name and Website</i>	<i>Lead agency</i>	<i>Relevance to CBD and Coverage</i>
<b>a. Comprehensive</b>		
The State of the World Forests 2001 <a href="http://www.fao.org/forestry/fo/sofo/SOFO2001/publ-e.stm">http://www.fao.org/forestry/fo/sofo/SOFO2001/publ-e.stm</a>	FAO	The State of the World Forests (SOFO) is published every two years to give the comprehensive and up-to-date picture available of the status of forests worldwide and new developments in the forestry sector. The State of the World Forests 2001 reports on the latest figures. Coverage: Global
FAO Global Forest Resources Assessment 2000 (FRA 2000) <a href="http://www.fao.org/forestry/fo/NEMS/detail_event.asp?event_id=920">http://www.fao.org/forestry/fo/NEMS/detail_event.asp?event_id=920</a>	FAO	Provides a comprehensive and up-to-date view of the world? forest resources at the end of the second millennium. Includes new global maps for forest cover, ecological zones and protected areas, and synthesis on various themes. Also country profiles are included. Coverage: Global
FAO Forest Resources Assessment Programme (FRA) <a href="http://www.fao.org/forestry/fo/fra/index.jsp">http://www.fao.org/forestry/fo/fra/index.jsp</a>	FAO	Develops global databases and maps and support the development of assessment methods for forest and related products and services (e.g.: non wood forest products, trees outside forests); present country profiles. Coverage: Global and National
Trees outside the forest - Development for methods of assessments and monitoring of natural resources to support regional planning with study area in Central America – TROF <a href="http://www.forst.uni-freiburg.de/TROF/">http://www.forst.uni-freiburg.de/TROF/</a>	ICRAF and University of Freiburg	The aim of this project is to develop methods to assess, analyse and visualize trees outside the forest (TROF) information on a Central American scale, providing maps and statistics. Data on floristic composition, spatial distribution, biomass, etc. of TROF are being acquired. Coverage: Regional - Central America

<i>Name and Website</i>	<i>Lead agency</i>	<i>Relevance to CBD and Coverage</i>
REFORGEN: The FAO Global Information System on Forest Genetic Resources. <a href="http://www.fao.org/forestry/foris/reforgen/index.jsp">http://www.fao.org/forestry/foris/reforgen/index.jsp</a>	FAO	This database allows the search for information on forest tree species and their genetic management, as well as information on national institutions active in this field. Coverage: National and Global
FAO supported sub/eco-regional workshops and action plans on forest (tree and shrub) genetic resources. <a href="http://www.fao.org/forestry/FOR/FOR/FOGENRES/notes/5e.pdf">http://www.fao.org/forestry/FOR/FOR/FOGENRES/notes/5e.pdf</a> <a href="http://www.fao.org/DOCREP/003/X9818E/X9818E00.HTM">http://www.fao.org/DOCREP/003/X9818E/X9818E00.HTM</a>	FAO in collaboration with IPGRI, ICRAF, CIFOR and other partners TBA, plus bilateral projects such as the DANIDA Forest Seed Centre and the Australian SPRIG (Pacific) project.	A series of country driven, action-orientated forest (tree and shrub) genetic resource workshops providing assistance and support allowing countries to plan and coordinate action, including the development of sub/eco-regional action plans, for the management of forest tree and shrub genetic resources. Coverage: National and Regional
Review of the status and trends of, and major threats to, the forest biological diversity (information document: UNEP/CBD/SBSTTA/7/INF/3) <a href="http://www.biodiv.org/doc/meeting.asp?wg=sbstta-07&amp;cch=1&amp;tab=1">http://www.biodiv.org/doc/meeting.asp?wg=sbstta-07&amp;cch=1&amp;tab=1</a>	CBD / Ad hoc Technical Expert Group on Forest Biological Diversity	Review of the status and trends of, and major threats to, the forest biological diversity. Coverage: Global
Global distribution on current forests <a href="http://www.unep-wcmc.org/forest/global_map.htm">http://www.unep-wcmc.org/forest/global_map.htm</a>	UNEP-WCMC	Datasets and maps presenting the global distribution of 21 types of current temperate, boreal and tropical forests. Coverage: Global
Original and Current Forest Cover <a href="http://www.unep-wcmc.org/forest/original.htm">http://www.unep-wcmc.org/forest/original.htm</a>	UNEP-WCMC	Datasets and maps presenting the global distribution of original and current (remaining) temperate, boreal and tropical forests types. Coverage: Global
IUFRO Task Force on Environmental Change <a href="http://infro.ffp.csiro.au/index.htm">http://infro.ffp.csiro.au/index.htm</a>	IUFRO	Series of reports on aspects of environmental change as they affect forests Coverage: Global
IUFRO Global Forest Information System <a href="http://iufro.ffp.csiro.au/iufro/taskforce/hptfg_fis.htm">http://iufro.ffp.csiro.au/iufro/taskforce/hptfg_fis.htm</a>	IUFRO	The mission of the IUFRO GFIS is to develop a strategy for, and implement, an Internet-based metadata system that will provide coordinated worldwide access to forest information Coverage: Global

<i>Name and Website</i>	<i>Lead agency</i>	<i>Relevance to CBD and Coverage</i>
European forest resources database <a href="http://www.efi.fi/Forestry_Databank/EFIFD_future.phtml">http://www.efi.fi/Forestry_Databank/EFIFD_future.phtml</a>	EFI	A comprehensive European forest resources database from 1950 to the most recent current FRA. EFI's goal is to compile a complete set of forest resources assessment data to meet the information needs at the European level, e.g. in order to analyze the trends of forest resources Coverage: Regional - Europe
Indicators for monitoring and evaluation of forest biodiversity in Europe (BEAR) <a href="http://www.algonet.se/~bear">http://www.algonet.se/~bear</a>	EFI and other institutes	The main aim is to formulate an integrated system of indicators of forest biodiversity that are applicable in each of the six major European biogeographical regions, and at the national/regional, landscape and stand level Coverage: Regional - Europe
FAO Non-Wood Forest Products Information System <a href="http://www.fao.org/forestry/FOP/FOPW/NWFP/nwfp-e.stm">http://www.fao.org/forestry/FOP/FOPW/NWFP/nwfp-e.stm</a>	FAO	This web-based databank provides statistical data on the resource base, production, consumption and trade of NWFP (on a country basis and on specific products) at the national and global level Coverage: Global and National
Assessment of the status of the world's remaining closed forests <a href="http://www.na.unep.net/pub/closedforest/">http://www.na.unep.net/pub/closedforest/</a>	UNEP, US Geological Survey, NASA	Satellite-based survey of the planet's remaining closed forests, which include virgin, old growth and naturally regenerated woodlands Coverage: Global

**AGRICULTURAL BIOLOGICAL DIVERSITY**

<i>Name and Website</i>	<i>Lead agency</i>	<i>Relevance to CBD and Coverage</i>
<b>a. Comprehensive</b>		
World Agriculture Information Centre (WAICENT)	FAO	
Survey of Global Expertise in Soil Biodiversity	FAO	An informal survey of soil biodiversity expertise with relevance to agro-ecosystems. Suggests how soil biology experts might assist FAO and CBD in delineating complex issues related to biological management of soil fertility and contributing to the identification of better practices and agricultural systems. Coverage: Global
<b>b. Genetic resources</b>		
<b>i) Crop genetic resources, wild relatives, and harvested wild food plants</b>		
World Information and Early Warning System (WIEWS) <a href="http://apps3.fao.org/wiews">http://apps3.fao.org/wiews</a>	FAO	Provides summary information on the genetic resources of crops and their wild relatives stored in ex-situ collection and their related institutions. Coverage: Global
System-wide information Network on Genetic Resources (SINGER) <a href="http://singer.cgiar.org/">http://singer.cgiar.org/</a>	CGIAR	Provides detailed information, at accession level, of collections held by the international agricultural research centres (IARCs) Coverage: Global
Genetic Resources Information Network (GRIN) <a href="http://www.ars-grin.gov/npgs/searchgrin.html">http://www.ars-grin.gov/npgs/searchgrin.html</a>	USA	National programme for information system on genetic resources Coverage: National - USA
European Cooperative Programme for Genetic Resources (ECP/GR) <a href="http://www.ecpgr.cgiar.org/Databases/databases.htm">http://www.ecpgr.cgiar.org/Databases/databases.htm</a>		Central crop databases Coverage: Regional - Europe and National
State of the World's Plant Genetic Resources for Food and Agriculture <a href="http://ext-ftp.fao.org/waicent/pub/cgrfa8/GS/SwpgrE.pdf">http://ext-ftp.fao.org/waicent/pub/cgrfa8/GS/SwpgrE.pdf</a>	FAO	Assessment of genetic diversity within and between plants for the FAO Commission on Genetic Resources for Food and Agriculture. Coverage: Global
Global Plan of Action for the Conservation and Sustainable Utilization of Plant Genetic Resources for Food and Agriculture <a href="http://www.fao.org/WAICENT/FaoInfo/Agricult/AGP/AGP/S/GpaEN/gpatoc.htm">http://www.fao.org/WAICENT/FaoInfo/Agricult/AGP/AGP/S/GpaEN/gpatoc.htm</a>	FAO	Priorities for international and national action on plant genetic resources for food and agriculture. Monitored by the FAO Commission on Genetic Resources for Food and Agriculture. Coverage: Global

<i>Name and Website</i>	<i>Lead agency</i>	<i>Relevance to CBD and Coverage</i>
<b>ii) Animal genetic resources</b>		
Domestic Animal Diversity Information System (DAD-IS) <a href="http://dad.fao.org/en/Home.htm">http://dad.fao.org/en/Home.htm</a>	FAO	Global scientific and technical database and to assist countries in monitoring and assessing the conservation and sustainable use of indigenous and exotic breeds and races, and their production environments. Coverage: Global
State of the World's Farm Animal Genetic Resources <a href="http://www.fao.org/waicent/faoinfo/agricult/cgrfa/Angr/htm">http://www.fao.org/waicent/faoinfo/agricult/cgrfa/Angr/htm</a>	FAO	Development of an early warning system through global surveys of important animal species. Being prepared by FAO's Commission on Genetic Resources for Food and Agriculture. Coverage: Global
World Watch List for Domestic Animal Diversity <a href="http://dad.fao.org/en/refer/library/wwl/wwl.pdf">http://dad.fao.org/en/refer/library/wwl/wwl.pdf</a>	FAO	Inventory on the conservation and sustainable use of domestic animal diversity. Coverage: Global
<b>iii) Microbial genetic resources</b>		
System-wide microbial genetic resources database. <a href="http://www.icarda.cgiar.org/Publications/AnnualReport/2000/App%205/App5.html">http://www.icarda.cgiar.org/Publications/AnnualReport/2000/App%205/App5.html</a>	CGIAR	Passport and evaluation information on specific collections of micorrhizae and other microbial resources (CIAT, ICARDA); Information on plant pathogens (IRRI) Coverage: Global
<b>c. Ecological and ecosystem functions</b>		
<b>i) Support to agricultural production systems</b>		
ECOPORT <a href="http://www.ecoport.org">http://www.ecoport.org</a>	FAO	Information on functions of agricultural biodiversity; information on crops, insects, fungi, bacteria, weeds and viruses, including assessment of species for biological control. Coverage: Global

<i>Name and Website</i>	<i>Lead agency</i>	<i>Relevance to CBD and Coverage</i>
<b>ii) Wider ecosystem and landscape level</b>		
Agro-ecological zones (AEZ) <a href="http://www.fao.org/ag/magazine/0012sp1.htm">http://www.fao.org/ag/magazine/0012sp1.htm</a>	FAO	Global land-resources planning and management tools that is used for assessing and mapping the status and trends in land and water resources and agricultural production systems, including productivity, capability, land use pressures, land degradation, and comparison of land use options. Coverage: Global
Global Land Information system of the United States Geological Survey <a href="http://edcwww.cr.usgs.gov/webglis">http://edcwww.cr.usgs.gov/webglis</a>	USA	Global-scale tool with potential agricultural biodiversity applications. Coverage: National - USA
Terrestrial ecosystem monitoring sites (TEMS) meta-database <a href="http://www.fao.org/gtos/tems/index.jsp">http://www.fao.org/gtos/tems/index.jsp</a>	FAO	Operated by GTOS Potential for global scale and agricultural biodiversity applications. Coverage: Global
<b>iii) Abiotic resource base</b>		
Fertility Capability Classification System (FCCS) <a href="http://www.fao.org/landandwater/agll/fcc3.htm">http://www.fao.org/landandwater/agll/fcc3.htm</a>	FAO	Information system providing assistance in the identification of soil constraints that have a direct influence on agricultural biodiversity, for example soil productivity. Aims to help improve diagnosis of potential problems in soil and crop management. Has links to WISE (World Inventory of Soil Emission Potentials) database. Coverage: Global
Global Assessment on the Status of Human Induced Soil Degradation (GLASOD) <a href="http://www.isric.nl/GLASOD.htm">www.isric.nl/GLASOD.htm</a>	ISRIC	Information system providing the basis for agriculture with parameters that have a direct influence on agricultural biodiversity, such as soil productivity Coverage: Global
Soil and Terrain Database (SOTER) <a href="http://www.fao.org/ag/AGL/agll/soter.htm">www.fao.org/ag/AGL/agll/soter.htm</a>	FAO/UNEP/ISRIC	Provides soil and terrain information on a global scale. Coverage: Global
World Overview of Conservation Approaches and Technologies (WOCAT) <a href="http://www.fao.org/ag/AGL/agll/wocat.htm">www.fao.org/ag/AGL/agll/wocat.htm</a>		Inventory of soil conservation and rehabilitation techniques. Coverage: Global
<b>d. Socio-economic considerations</b>		
i) Traditional and Local knowledge of agricultural biodiversity		
Links project Gender, biodiversity and local knowledge for food security	FAO	Provides research results about gender, local knowledge systems,

<i>Name and Website</i>	<i>Lead agency</i>	<i>Relevance to CBD and Coverage</i>
(GCP/RAF/338/NOR) <a href="http://www.fao.org/sd/links/activities.html">http://www.fao.org/sd/links/activities.html</a>		the conservation and sustainable use of indigenous breeds and species. Coverage: Regional - Africa

***BIOLOGICAL DIVERSITY OF DRY AND SUB-HUMID LANDS***

<i>Name and Website</i>	<i>Lead agency</i>	<i>Relevance to CBD and Coverage</i>
<b>a. Comprehensive</b>		
GEF Drylands Land degradation Assessment project  <a href="http://www.unep.org/Evaluation/Reports/2000/GEF/GEF">http://www.unep.org/Evaluation/Reports/2000/GEF/GEF</a>	FAO	Focuses on the status and trends of biodiversity, the driving forces and identification of opportunities and solutions for mitigating and/or reversing degradation. Coverage: Global
Land Degradation Assessment in Drylands (LADA) <a href="http://www.peer.org/anwr/USGS_WRI.htm">http://www.peer.org/anwr/USGS_WRI.htm</a>	FAO In collaboration with USGS (Biological Resources Division, Geologic Division) and WRI	Will develop and implement strategies, tools and methods to assess and quantify the nature, extent and severity of land degradation and overall ecosystem resilience. Will focus on the conservation and sustainable use of endemic biodiversity in drylands and activities will emphasize the prevention and control of land degradation through development of sustainable-use methods for biodiversity conservation. Coverage: Global

***MOUNTAIN BIOLOGICAL DIVERSITY***

<i>Name and Website</i>	<i>Lead agency</i>	<i>Relevance to CBD and Coverage</i>
Global Mountain Biodiversity Assessment (GMBA) <a href="http://www.unibas.ch/gmba">http://www.unibas.ch/gmba</a>	DIVERSITAS/ Swiss Academy of Sciences	Creates a database on global mountain biodiversity. BMGA is a global network on mountain biodiversity research. Coverage: Global
Global Observation Research Initiative in Alpine Environments (GLORIA) <a href="http://www.gloria.ac.at/res/gloria_home/">http://www.gloria.ac.at/res/gloria_home/</a>	Institute of Ecology and Conservation Biology, University of Vienna  Gloria-EUROPE: Research Initiative of IGBP/GTOS established by FAO, ICSU, UNEP, UNESCO and WMO.	GLORIA aims to establish an effective long-term observation network for detecting the effects of climate change on mountain biota on a global scale. GLORIA is a network of standardised monitoring settings in all major mountain systems on Earth. GLORIA-EUROPE shall act as an early warning system by providing a comparative data basis for (a) detecting long-term changes of biodiversity and habitat stability, and (b) drawing data-based scenarios in which direction these changes may go. It is a long-term monitoring and analysis of indicators of environmental change in mountain regions. Coverage: global
Biodiversity Monitoring Transect Analysis in Africa (BIOTA) - East Africa <a href="http://www.biota-africa.de/1024/biota_east/structure_east.htm">http://www.biota-africa.de/1024/biota_east/structure_east.htm</a>	Zoological Research Institute and Museum Alexander Koenig, Bonn, Germany	Analyses of biodiversity conversion in the East African highland and mountain rain forests (mainly in the Kakamega forest, Kenya). Principal goal is the establishment of biodiversity observatories for long term monitoring, with main focus on the effects of man-made changes in biodiversity. Coverage: Regional – East Africa; National - Kenya

<i>Name and Website</i>	<i>Lead agency</i>	<i>Relevance to CBD and Coverage</i>
BIOMAPS – Biodiversity Mapping for Protection and Sustainable Use of Natural Resources  <a href="http://www.botanik.uni-bonn.de/system/biomaps.htm">http://www.botanik.uni-bonn.de/system/biomaps.htm</a>	Institute of Botany, University of Bonn, Germany	Presents world map of a number of species of vascular plants as indicator group for the total diversity of terrestrial systems. Biodiversity mapping are based on several methods: taxon and inventory based-approaches.  Coverage: Africa, North and South America (no special focus on mountains)
Global Change Research- a focus on mountain ecosystems  <a href="http://www.nrmcs.usgs.gov/research/global.htm">http://www.nrmcs.usgs.gov/research/global.htm</a>	US Geological Survey, Northern Rocky Mountains Science Centre, Glacier, Montana	Develops computer-based ecosystems models to understand how the Glacier National Park mountain wilderness responds to present climatic variability and impacts of future global environmental change can be predicted. Recent progress on forest and watershed modelling. Coverage: Regional - Northern Rocky Mountains
The UK Environmental Change Network  <a href="http://www.ecn.ac.uk/">http://www.ecn.ac.uk/</a>	Centre for Ecology and Hydrology, UK	Aims to obtain comparable long-term datasets through the monitoring of a range of variables such as from terrestrial sites (precipitation chemistry, soil properties, vegetation, vertebrates, invertebrates) and freshwater sites (macro-invertebrates, aquatic macrophytes, zooplankton, phytoplankton, epilithic diatoms). Pilot studies are developing climate change indicators and water quality indicators. Coverage: National - UK (three mountain sites)

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