

# Integrating Disaster Risk Reduction into the Fight Against Poverty

Global Facility for Disaster Reduction and Recovery Annual Report 2007





#### Tribute to GFDRR Partners

Since its establishment in September 2006, the Global Facility for Disaster Reduction and Recovery (GFDRR) has evolved into a partnership of 18 countries and international organizations that are committed to helping developing countries reduce their vulnerability to natural hazards.









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# **Foreword**

The risks from disasters caused by a changing climate present a growing threat to developing countries that lack the financial or material resources to prevent disasters or mitigate their risks. The response by the international community must not only be comprehensive and carefully thought out, but also be characterized by innovative partnerships and long-term commitments by the key stakeholders.

The Global Facility for Disaster Reduction and Recovery (GFDRR) is the World Bank's premier global initiative to enhance national capacities to reduce vulnerability by integrating risk reduction in country development strategies. The GFDRR helps developing countries fund projects and programs that enhance local capacities for disaster prevention and emergency preparedness.

I am very pleased that since its creation in September 2006, the GFDRR has helped to support and strengthen the International Strategy for Disaster Reduction (ISDR) system to promote disaster risk reduction as a core component of the global agenda for sustainable development. Early results from all regions, particularly Africa, are quite impressive and give us hope that the increasing trend of disaster losses can indeed be reversed by 2015.

The work of the GFDRR would not be possible without the generous support of our donors, whom I wish to thank on behalf of all partners of the GFDRR.

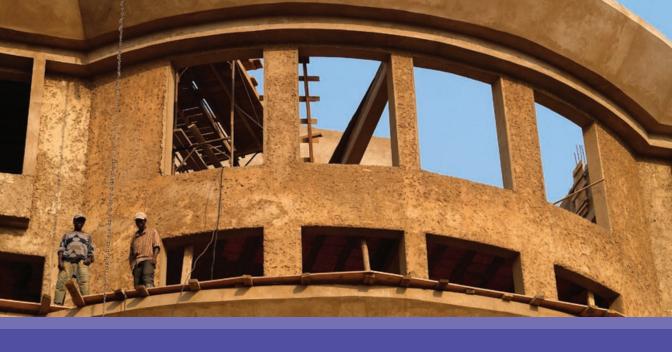
Laszlo Lovei, Director, Finance, Economic and Urban Department, World Bank

Building capacities for disaster risk reduction in highly vulnerable countries is at the core of our partnership with the World Bank and its Global Facility for Disaster Reduction and Recovery (GFDRR). Disaster risk reduction is a long-term challenge and cannot be addressed successfully through country-based actions alone.

More than ever, this agenda requires strong international cooperation and team efforts at all levels, from bilateral, to local, to regional, to global. The International Strategy for Disaster Reduction (ISDR) is committed to providing the enabling environment for coherent and concerted actions by all partners gradually engaging in the worldwide movement called the ISDR system.

Building stronger commitments and leveraging additional resources remain central to the effective use of the Hyogo Framework for Action (HFA) to reduce the risk of and vulnerability to natural hazards around the world by 2015.

Salvano Briceño, Director, International Strategy for Disaster Reduction Secretariat (ISDR)



# Overview

# GFDRR Contributions to the Hyogo Framework for Action

There are two ways to ensure a healthy future for countries and communities that are highly vulnerable to disasters: help them reduce the risks before disaster strikes and when it does—ensure that reconstruction and recovery are long term and sustainable.

Helping governments and people develop the skills and knowledge needed to take on disaster risk challenges is at the heart of the Global Facility for Disaster Reduction and Recovery (GFDRR). This partnership between the World Bank and the International Strategy for Disaster Reduction (ISDR) system is only a year old, but early results are promising.

The GFDRR's mission is to reduce vulnerability to natural hazards by mainstreaming disaster risk management and climate change adaptation into country development strategies. A key goal is enhancing the speed and efficiency of international assistance after disasters occur in the Bank's high-risk client countries. It also supports the ISDR system by catalyzing global and regional partnerships that help achieve the objectives of the Hyogo Framework for Action (HFA), the global blueprint for disaster risk reduction that was ratified by 168 nations.

The GFDRR's core business principles include building on strong partnerships, adopting an inclusive approach, and focusing at the country level. The GFDRR emphasizes a resultsbased approach and affordable, effective interventions. Regional and global knowledge networks facilitate the sharing of information, practices, and lessons learned.

The GFDRR contributes to the development and implementation of disaster risk management strategies by funding both ex ante and ex post activities at the global, regional, and country levels. Using a three-track funding approach, the GFDRR:

- supports regional cooperation and knowledge sharing to enhance global awareness and civil society engagement (Track I);
- provides technical assistance for country and transboundary disaster risk reduction projects (Track II);
- offers readily available mechanisms—the Standby Recovery Financing Facility (SRFF) and the Callable Fund—for pre-disaster planning and the mobilization of donor resources for accelerated disaster recovery (Track III). The Callable Fund was activated to support Bangladesh's cyclone recovery programs.

In addition, a new thematic fund will enhance South-South cooperation by making additional technical assistance available for inter-country partnerships.

The GFDRR is helping to accelerate implementation of the HFA by:

- engaging national governments and building consensus on priority areas of action to reduce disaster risks and losses:
- leveraging the World Bank's development portfolio so that disaster risk reduction is included in country activities;
- helping to mainstream disaster risk reduction as a dimension of public management;
- providing high-risk countries with analytical tools and policies, and with regulatory and investment instruments, to address natural disasters, reduce vulnerabilities, and adapt to climate change;
- catalyzing greater investment in disaster prevention and emergency preparedness;
- strengthening international cooperation on all aspects of disaster risk reduction, particularly on joint needs assessments and recovery planning after a disaster;
- providing an effective platform for donor coordination and aid effectiveness;
- focusing special attention on Africa.

Although this is a long-term effort, a number of countries are already integrating disaster risk reduction into country assistance and poverty reduction strategies, annual country economic memoranda, and assessments of progress toward the Millennium Development Goals.

The GFDRR's mission is becoming more urgent with the increasing frequency and severity of natural disasters. Hard-earned development gains have been set back by the droughts in Africa and massive flooding across Asia last year, as well as by the more recent floods in Eastern Africa. Many smaller disasters with large localized economic and social consequences are compounding the situation. Overall, natural disasters have affected the lives and livelihoods of more than 134 million people in 108 countries, killing 23,000 and causing economic damage and losses totaling over US\$35 billion.

#### **Ten Worst Natural Disasters in 2007** (by number of deaths)

Cyclone Sidr, November Bangladesh Flood, July-August Bangladesh Flood, July-September India

Korea, Democratic People's Republic Flood, August

Flood, June-July China, People's Republic

Earthquake, August Peru Heat Wave, July Hungary Cyclone Yemyin, June Pakistan Flood and Landslides, June Pakistan Flood, July India

Sources: EM-DAT: The OFDA/CRED International Disaster Database

The threat of climate change—and its close links to economic development and poverty reduction—are giving new impetus to the GFDRR agenda. According to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC), released in February 2007, it is likely that tropical cyclones (typhoons and hurricanes), glacier lake outburst floods, and sea-level rise will increase. The GFDRR's well-established methods of disaster risk reduction are tailor made to help countries cope.

## A GFDRR Milestone — Stockholm Forum for Disaster Reduction and Recovery



∧ Forum participants took advantage of informal opportunities to share experiences and best practices.

> The Swedish International Development Cooperation Agency (Sida), UN International Strategy for Disaster Reduction (ISDR), and World Bank cosponsored the Stockholm Forum.





∧ Swedish media interviewed disaster experts, such as Xavier Chavano, Team Leader in Mozambique's National Institute of Disaster Management.

V Takeshi Osuga, Director of Gobal Issues Cooperation in Japan's Ministry of Foreign Affairs, and Eiji Torisu, Director for Disaster Preparedness and International Cooperation, Cabinet Office of Japan, at the Consultative Group meeting.





↑ The Stockholm Forum drew several hundred disaster, climate change, and poverty experts from around the world.



↑ Denmark was elected as cochair of the GFDRR Consultative Group with the World Bank. Shown here, left to right, are Saroj Kumar Jha, GFDRR Manager; Anne-Birgitte Albrectsen, Head of Department at the Danish Ministry of Foreign Affairs; and Laszlo Lovei, Director of the World Bank's Finance, Economics, and Urban Department.

V Margareta Wahlstrom, UN Assistant Secretary General for Humanitarian Affairs, far left, addressed the session on integrating climate change and disaster risk considerations in poverty reduction plans. With her are panelists Anna Marie Torres Nunoz, Chief of Colombia's Office of Risk Analysis and Control, Ms. Albrectsen, Mr. Chavano, Anders Wijkman, a Member of the European Parliament, and Abdulkhaleq Al-Ghaberi, Director General of Environmental Emergency in Yemen's Ministry of Water and Environment.







∧ Magnus Lindell, Sida Assistant Director General, right, and Salvano Briceño, Director of the ISDR Secretariat, at the Consultative Group meeting.

< Consultative Group member Isabelle Forge, Advisor for Sustainable Development and Risk Reduction of the French Ministry of Foreign Affairs.

## Stockholm Plan of Action for Integrating Disaster Risks and Climate Change Impacts into Poverty Reduction

October 24, 2007, Stockholm, Sweden

Over 200 participants, representing national governments, bilateral and multilateral agencies, civil society organizations, experts, and researchers gathered in Stockholm and together endorsed a strong message on the need to more effectively integrate natural hazard and climate change risks into national development strategies, including poverty reduction strategies.

The workshop was organized jointly by Sida, the World Bank, and the ISDR under the GFDRR.

The workshop emphasized the ongoing and long-term risks of climate change and disasters—due both to climate and geological hazards—to economic growth and poverty, particularly in low- and middle-income countries. Climate change increases, for instance, communities' social and economic vulnerability, affects livelihoods and settlement patterns, and causes political tensions and conflict. Poorer communities are most vulnerable to the impact of small- and large-scale disasters, as well as climate variations, and have less capacity to prevent and prepare for disasters and respond and then recover when they occur.

The workshop took into consideration the outcomes of the Global Platform for Disaster Risk Reduction, held June 5-7, 2007, and the recent findings of the IPCC, particularly the fact that climate change is likely to increase the frequency and intensity of severe weather events and climate variability.

The workshop recognized the long-term, gender-sensitive engagement required to address the underlying vulnerability and poverty factors that affect communities' resilience in the face of disaster and climate change risk. This engagement was presented as an important contribution to sustaining progress toward the Millennium Development Goals and sustainable development.

Participants outlined the challenges and described the successes and benefits of integrating disaster and climate change risk into poverty reduction strategies, with a strong emphasis on the regional, national, and local contexts. The presentations highlighted the fact that while the global agenda is now strongly driven by climate change, national concerns are focused on current disasters and climate variability.

In the context of the above, the following priority actions emerged from the discussions:

1. Disaster risk reduction and climate change adaptation cannot be dealt with in isolation.

Enhanced institutional and policy coordination are needed at the individual country, region, and global institution levels on disaster risk reduction and climate change. This includes closer collaboration and research, as well as the development of common strategies for integrating disaster risk reduction, climate change adaptation, and poverty reduction strategies. These efforts should also link to policies and strategies to reduce greenhouse gas emissions, which also contribute to reducing disaster risk.

Climate change focal points, representatives of relevant bilateral and multilateral organizations and international financial institutions (IFIs), and in-country experts, including from civil society organizations, were encouraged to engage in the meetings and activities of national disaster risk management mechanisms, such as ISDR system national platforms where they exist.

2. Risks due to disasters and climate change must be known and measured. Alongside urgent action to respond to the challenges, continuing and systematic socioeconomic and poverty analysis is required, therefore making the case for mainstreaming adaptation and disaster risk reduction into development plans. This includes increased recognition of climate change adaptation and disaster risk reduction concerns by national governments, in particular ministries of planning and finance, and relevant sectoral ministries.

Engagement of bilateral and multilateral agencies, as well as research institutions that are working in the national context on development and poverty reduction issues, is also required. This should be included, when appropriate, under GFDRR in its Track II countries.1

Disaster and climate change risk need to be addressed in the context of each country's social political, cultural, and institutional specifics. Efforts are required to understand how these and other country characteristics interact with hazard and climate change patterns and affect overall vulnerability, especially for the poor.

Tracking of investments and available resources will further assist in coordinated action and support targeted resource mobilization.

Disaster and climate change risk analysis must be integrated into national planning processes, including the poverty reduction strategy process in each country. The findings of disaster and climate change risk analyses should be relevant to and targeted toward national development strategies and budgets, as well as a country's poverty reduction strategy.

This will require mainstreaming risk of climate change and disasters into core IFI and other donor diagnostic and related country planning and budgeting processes. The findings should include information on the various options for reducing disaster risk and adapting to climate change.

<sup>1</sup> The list of countries supported by the Global Facility for Disaster Reduction and Recovery is available on the GFDRR Web site at www.gfdrr.org.

Links to other relevant national processes also are required. Common country risk analysis should build on and contribute to a country's efforts to implement the Hyogo Framework for Action 2005–2015, and support post-disaster response and recovery efforts, as well as the National Communications and the National Adaptation Programmes of Action for Least Developed Countries as requested under the United Nations Framework Convention on Climate Change (UNFCCC).

Common country risk analysis should also allow for identifying national priorities for reducing disaster risk as part of national development plans, including as a basis for GFDRR Track II work plans.

- 4. Disaster risk reduction and climate change adaptation are not sectors, but need to be factors in all sectors. Key sectors such as agriculture, energy, health, water resources, urban development, forestry, and environment need to be engaged in national risk analysis and the prioritization of risk reduction actions through multi-sectoral national dialogues on disaster risk as called for by the HFA.
- 5. Capacity building is required at the local, regional, national, and global levels, again with a focus on Global Facility priority countries that are particularly prone to natural hazards. A major challenge for mainstreaming disaster and climate change risk is raising awareness among policy makers and practitioners of the concept and practice of disaster risk reduction and climate change adaptation, and ensuring they have access to a regular and consistent flow of information.

The workshop recognized the need to accelerate efforts to reduce disaster risk, as called for by the HFA, in countries with high levels of vulnerability to natural hazards and the risks of climate change. Disaster risk reduction is an urgent item on national agendas in order to reduce poverty and adapt to climate change. It requires increased investments through international funding, as well as in national and local government budgets and private sector engagement.

Additional attention must be given to support efforts leading to the post-Kyoto agreement, currently under discussion in the context of the UNFCCC, to ensure that the limited attention to adaptation and associated funding gaps are appropriately addressed, recognizing the important role of disaster risk reduction.

Finally, strong appreciation was expressed to Sida for hosting the event, the speakers, and other contributors, support staff, as well as for the co-organizers, the ISDR secretariat and the World Bank.



# **Updates from GFDRR Partners**

# Early Results of the GFDRR Partnership

In its first year of operation, the GFDRR's primary objective was to strengthen regional, national, and global capacities to reduce disaster risk, build a stronger case for disaster risk reduction as a core dimension of sustainable development, and put in place the tools needed for intelligent planning and preparation. With the goal of targeting all disaster hot-spot countries by 2015, the GFDRR initially focused on five countries: Malawi, Mozambique, Nicaragua, Nepal, and Vietnam.<sup>2</sup> Fiscal year 2008 will see a scaling up of operations as more countries become aware of the benefits of GFDRR involvement. For example, after the recent disasters in Bolivia, Peru, and Bangladesh, the governments engaged the GFDRR to develop disaster prevention and recovery programs, a trend that is expected to continue.

<sup>2</sup> A sixth country, Peru, requested GFDRR's assistance after it suffered a major earthquake in August 2007.

## A Changing Paradigm

The GFDRR is helping to refocus the attention of decision makers and reshape key national policies in Latin America, Asia, and the Middle East. In Central America and Asia, ISDR regional studies and the Bank's national dialogue are encouraging regional cooperation.

In Africa, the GFDRR has crystallized a new mindset among officials in Bank country offices and partner organizations. This is leading to the formal inclusion of vulnerability considerations and disaster risk reduction strategies in the national plans of Malawi and Mozambique, where macro-level economic risk analysis is now a priority. The analysis of droughts and floods is providing benchmarks to measure performance. In addition, the substantial buildup of regional institutions and programs is instilling a new level of confidence in the possibility of financing large basic infrastructure projects.

#### More Strategic and Efficient Disaster Risk Reduction

In fiscal year 2008, GFDRR support will enable an additional 29 high-risk countries to develop national disaster risk reduction strategies and build their capacity. As important as this demonstrated political will is, there is also a critical need for strong and effective international cooperation at all levels. The GFDRR's contribution to the ISDR system is catalyzing more strategic and efficient disaster risk reduction. A sampling of the results of this partnership has produced:

- a global risk assessment to identify global climatic and disaster risk trends and regularly review progress in the implementation of the HFA;
- the first Global Platform for Disaster Risk Reduction, held in Geneva, Switzerland, in June 2007, which provided renewed impetus and a sense of direction;
- improved coordination and coherence among regional and sub-regional organizations.

# More Effective Disaster Recovery Assistance: The Standby Recovery Financing Facility

In February 2007, the Consultative Group of the GFDRR endorsed the establishment of a Standby Recovery Financing Facility (SRFF) as a post-disaster financing window. The SRFF allows risk reduction to be introduced in the disaster recovery phase, when the opportunity is the greatest. Following the endorsement, a draft operations manual was developed, as well as a rollout plan and detailed business strategy.

The SRFF has two mechanisms available: technical assistance to strengthen disaster recovery assessment and planning, and a Callable Fund to finance speedy access to financial resources for disaster recovery. Technical assistance for disaster recovery planning is provided through three sub-tracks:

Track III-A strengthens global coordination

- Track III-B strengthens global and regional capacity
- Track III-C provides country-level support

The Callable Fund is the primary mechanism for coordinated incremental resource mobilization that can provide speedy results on the ground during the disaster recovery phase. Under the Callable Fund, resources are targeted to the Disaster Recovery and Financing Plan or a similar recovery plan developed by the beneficiary. Funds are quickly and effectively made available for the recovery phase; monitoring and evaluation ensure that the resources are used for the purposes intended.

Since its launch, the following activities have taken place under the SRFF:

- A "dialogue on developing a common framework for post-disaster needs assessment, recovery and reconstruction," which was jointly sponsored by the GFDRR, the EC, and the United Nations Development Programme (UNDP). The dialogue focused on the strengths and limitations of different tools and methodologies available for assessing the impact of disasters, and a common framework for recovery and reconstruction planning. Participants included representatives from the Economic Commission for Latin America and the Caribbean (ECLAC), the United Nations Environment Programme (UNEP), the Food and Agriculture Organization (FAO), the World Health Organization (WHO), the International Labour Organization (ILO), the World Food Programme (WFP), the UN Office for the Coordination of Humanitarian Affairs (OCHA), the U.S. Agency for International Development (USAID), Belgium, Canada, Italy, Finland, the Caribbean Development Bank, Bolivia, Ethiopia, Guatemala, India, and the International Recovery Platform secretariat, as well as the World Bank.
- An advisory mission to Ghana to undertake a preliminary assessment of damages and losses after the floods in the northern region in September 2007. The mission included a one-day training seminar for government representatives and nongovernmental (NGO) officials on damage and loss assessment methodologies.
- Terms of Reference for conducting a comprehensive damage and loss assessment for the Ghana floods.
- A concept note and Terms of Reference for conducting a comprehensive damage and loss assessment for Bangladesh Cyclone Sidr.
- Preparation of the financial and fiduciary arrangements for establishing the Callable Fund.
- Preparation of guidance notes for World Bank staff assessing post-disaster damage and losses in selected sectors of the economy.
- Launch of the first Call for Funds (jointly with Denmark, the GFDRR co-chair) to assist Bangladesh with post-Sidr recovery and reconstruction activities.

#### Results-Based Management

The GFDRR's results-based management system (RBMS) for disaster risk reduction includes indicators and procedures for monitoring and reporting. Because it is a Webbased system, the RBMS allows interactive, up-to-date assessments of the relevance, efficiency, and effectiveness of disaster risk reduction at project, country, regional, and global levels. Developed in consultation with the Bank's results management thematic group and members of the ISDR system, the RBMS will operate under the overall guidance of the GFDRR's Results Management Council.

At the country level, the RBMS will serve as a planning and management tool showing logical causal relationships (results chains) among outputs, intermediate outcomes, and development results. It includes clear and measurable objectives (results); indicators to measure progress toward each objective; explicit targets for each indicator; performance monitoring systems to regularly collect data as well as analyze and report on actual results; and performance information for internal accountability, learning, decision making, and external reporting to stakeholders and partners.

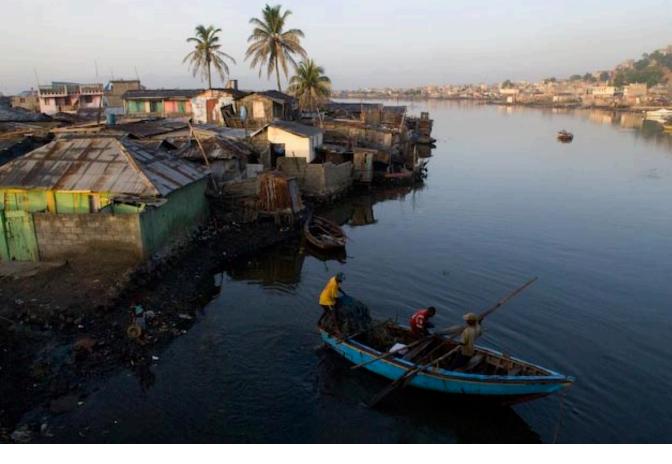
#### Making Disaster Risk Reduction a National Priority in Hot-Spot Countries

The GFDRR was established to help developing countries—particularly the 86 countries identified as the most vulnerable natural disaster "hot spots"—enhance their capacity for disaster prevention and emergency preparedness. Working in Mozambique, Malawi, Nigeria, Nepal, and Vietnam, with funding from the U.K. Department for International Development (DFID) in fiscal year 2007, the GFDRR focused on helping governments make disaster risk reduction a national development priority.

# Malawi, Mozambique, and the Africa Region

In Malawi and Mozambique, a transparent and thorough consultation process on GFDRR programs encouraged buy-in and ownership by the governments and World Bank country offices.

A scoping mission in Mozambique and Malawi in January determined the types of hazards each country faces and the status of their disaster risk reduction plans. A concept note was prepared for each country, outlining the risks and status of disaster management, including policies, legislation, institutional arrangements, initial needs and gaps, and the extent to which disaster risk reduction is mainstreamed. A formal review and decision process helped ensure that the programs were embedded in World Bank work programs and raised internal awareness.



The preparation of the concept note also provided a platform for interaction with the governments, U.N. agencies, NGOs, and other partners. Since the work coincided with preparation of the country assistance strategy (CAS) for each country, the process had the additional benefit of making disaster risk reduction a recognized element of the strategy. Country-based staff have been identified to work with the Bank's task team leaders as a country disaster risk reduction team. In Malawi, the UNDP disaster risk reduction adviser is included in the team, facilitating collaboration with the U.N. family.

The following "first stage" projects were prepared in close coordination with the national agencies. They are now being implemented.

#### Malawi:

- Hydrological assessment and possible mitigation of flooding in the Lower Shire River.
- Situation analysis of disaster risk management policies and practices.

#### Mozambique:

- Establishment of a management information system for the National Institute for Disaster Management, Ministry of State Administration.
- **E**stablishment of communications systems for regional emergency operations centers.



In addition, a set of "second stage" projects is being developed into concept notes and Terms of Reference.

#### Malawi:

- Technical assistance to support the Department of Poverty and Disaster Management Affairs
- Capacity building and training in disaster risk reduction
- Establishment of a national platform to mainstream disaster risk reduction into the development agenda, in collaboration with UNDP

#### Mozambique:

- Secondment of two senior National Institute for Disaster Management officials to Geneva to increase their experience with disaster risk reduction and interact with the international community.
- Capacity building and training in disaster risk reduction in Malawi. The program will include collaborations with academic institutions in Europe, as well as short courses in Mozambique and Malawi with visiting experts and study tours.

# Designing Country Disaster Risk and Vulnerability Assessments

In consultation with the governments of both countries, a scoping mission is determining the extent to which the economies are at risk from natural hazards, how vulnerable they are to different shocks, and what measures are required to protect the economy. This will primarily be an economic analysis at the macro level and include detailed work on the key

growth sectors. Currently, shocks have the effect of "derailing" or distracting the entire economy, not just the sector directly impacted. These effects often last for months and result in extensive and costly impacts that could be prevented.

A related but separate exercise on contingency planning for predictable impacts will help the World Bank, the governments, and other development partners develop procedures and instruments to better coordinate responses while minimizing the disruptive impacts on existing operations.

## Building Momentum in the African Region

In Sub-Saharan Africa, the GFDRR is working to integrate disaster risk reduction in country strategies, in collaboration with regional and national partners such as the African Union, sub-regional organizations, U.N. country offices, and governments. Initial results include regional disaster risk profiles and progress reports; new regional knowledge networks to facilitate information sharing; assessments of toxic, flood, and other risks in Central and Western Africa and the efficacy of measures to address them; and technical and financial support for a joint regional framework on drought risk reduction.

The work of ISDR and the GFDRR motivated the African Union Commission (AUC) to shift from support for post-disaster response activities, through its earlier Special Emergency Assistance Fund, to promoting disaster mitigation and prevention. AUC support includes:

- \$90,000 for the establishment of nationally led, multi-agency disaster risk reduction coordination mechanisms in Malawi and Mozambique;
- assistance to sub-regional intergovernmental agencies for disaster risk reduction strategies in the Economic Community of West African States (ECOWAS);
- changing the sub-regional strategy from security to risk reduction in the Southern Africa Development Community.

The first annual risk reduction status report provides a comprehensive description of the region's current disaster risks, institutional arrangements and capacity for disaster risk management, estimated institutional capacity and financing gaps at the country and regional levels, and recent best practices in disaster risk reduction. The report serves as a benchmark for countries and development partners. Feedback from national authorities reinforced the importance of information sharing about disaster risk reduction within and among countries.

The GFDRR sponsored the participation of 15 African ministers in the first Global Platform for Disaster Risk Reduction. Their participation resulted in approval of the sub-regional disaster risk reduction strategy for West Africa, establishment of a full time secretariat in Kenya to implement the HFA in selected countries, and allocations of US\$500,000 for mainstreaming HFA priorities into sectoral programs and budgets in Nigeria, and US\$43,000 for the review of Uganda's national disaster risk reduction policy.

Experts attending the Africa Drought Forum sponsored by ISDR and the UNDP Drylands Development Centre developed a draft policy framework to tackle drought risks in Africa. Building on this initiative, the African Union, ECOWAS, and the East African Intergovernmental Authority on Development (IGAD) have proposed a regional disaster preparedness capacity building initiative on flooding in West Africa and drought in East Africa to link GFDRR Track I and Track II resources.

GFDRR-supported initiatives in Africa are contributing to strengthening the ISDR system partnerships. For example, the EC, Secretariat of the African, Caribbean and Pacific Group of States, Commonwealth Secretariat, and the Commonwealth Communications Organization have indicated their willingness to collaborate with the ISDR, within the GFDRR framework.

#### Nepal and the South Asia Region

With funding from DFID, the GFDRR has launched five disaster risk mitigation activities for Nepal. Priorities include a national hazard risk assessment, scaling up of the existing Earthquake Safety Program, a preliminary study of flood early warning systems, a review of Nepal's emergency response capacity, and specialized surveys for the risk assessment of glacial lake outburst floods. The priorities were established following extensive consultations with the government, UNDP, DFID, OCHA, the International Centre for Integrated Mountain Development (ICIMOD), the National Society for Earthquake Technology, and others. The work will expand understanding of Nepal's vulnerability, strengthen the country's capacity for emergency preparedness and disaster mitigation, and support initial efforts for assessing specific climate-related risks in the Himalayan region.

# Leveraging Regional Cooperation in South Asia

A regional conference on the "Hazards of Nature, Risks, and Opportunities for Development in South Asian Countries: Learning the Lessons from Past Disasters—Preparing for the Future" attracted regional and national academics as well as technical disaster experts. Also participating were experts from Kyoto University, Middle East Technical University, and the University of Madras, which hosts the newly established Center for Natural Hazards and Disaster Studies. With ISDR guidance, the World Bank Institute, Kyoto University, and Middle East Technical University will offer courses on disaster risk management. A draft textbook has been developed and a "Training the Trainers" workshop was held at the University of Madras.

Turkey has developed a series of effective and innovative approaches to address seismic risk in the country. These include catastrophic risk insurance pooling, retrofitting of buildings, seismic-resistant engineering techniques, and disaster education. Turkey's experience is helping 23 senior decision makers from Bangladesh, Pakistan, Sri Lanka, India, Bhutan, Nepal, and Iran review and strengthen their own earthquake preparedness and mitigation



systems. They participated in the South Asia seismic risk reduction study tour, which focused on lessons learned from earthquake recovery and reconstruction in Turkey. The tour included meetings with governors, mayors, scientists, and NGO representatives who helped develop the country's risk mitigation tools and practices. A regional leadership seminar based on lessons learned from Turkey is being proposed as a next step, in collaboration with the South Asian Association for Regional Cooperation's Disaster Management Centre.

In Tamil Nadu, India, the GFDRR is helping to introduce the disaster reduction agenda into an emergency reconstruction program. In support of the government's efforts to promote early recovery in the tsunami-hit areas of the Emergency Tsunami Reconstruction Project, the Tamil Nadu vulnerability reduction program for coastal communities focuses on "the strengthening of longer-term disaster preparedness and the reduction of the vulnerability of coastal communities to a range of natural disasters." Expected outcomes include reducing the vulnerability of reconstructed houses, increasing community participation in early warning systems, and improving community access to evacuation routes and shelters.

Throughout the region, there is growing awareness of the importance of factoring disaster risk reduction and vulnerability considerations into development policies, strategies, and plans. The GFDRR is helping fund the South Asia Regional Study, which focuses on proactive disaster management strategies. The study will provide:

a road map for vulnerable countries to implement high-priority risk mitigation programs and enhance their capacity to respond to major catastrophic events;



- a comprehensive framework for the systematic integration of disaster risk reduction at policy and operational levels throughout the region;
- an analytical basis for making disaster risk management a standard feature in relevant country assistance and poverty reduction strategies;
- knowledge sharing about sustainable risk mitigation solutions;
- enhancement of the Bank's internal capacity to respond to catastrophic events and advise countries on the design and management of cross-sector hazard-risk mitigation projects and programs.

By stimulating the demand for risk mitigation and prevention interventions, the study will help increase resilience to disasters while simultaneously decreasing underlying risk factors and vulnerabilities through quantitative risk assessment, country profiles, and regional disaster risk management strategies.

# Vietnam and the Southeast Asia Region

Although many countries in Southeast Asia and the Pacific are at high risk, their capacity for disaster risk reduction is uneven. In addition, the region is experiencing unprecedented urbanization near low-lying coastal regions. In recent months, the region has made substantial progress in sub-regional cooperation and is looking to the GFDRR for assistance. In Vietnam, the World Bank and other partners have launched government-led consultation processes to assess the effectiveness of existing mechanisms for risk reduction. They are also spearheading projects to support the government's disaster risk reduction program:

Flood damage insurance. Floods are a natural feature of the Mekong River, and poor and marginalized people suffer the most. The majority of Asians affected annually by flooding have incomes of less than US\$1 a day. Especially hard hit are rice farmers in the Mekong Basin. The GFDRR is supporting the piloting of an index-based flood insurance program for farmers in the region. The goal is to encourage local stakeholders, including administrative agencies and the private sector, to do as much as possible to reduce damage from flooding disasters. The flood insurance project is part of a basin-wide flood management initiative for the Mekong River.

Disaster-proof buildings. In partnership with appropriate government agencies, such as the Ministry of Construction, the GFDRR is supporting an extensive review of building codes and stronger code requirements to make both public and private structures disaster proof. The review will determine if existing codes meet international standards and are being enforced.

*Television documentary.* To raise awareness of the importance of community-driven development, the GFDRR is helping to fund a television documentary on safer communities and the importance of evacuation plans for local villages. The goal is to give community groups and local governments more control over planning and investment decisions on community-based disaster risk reduction. The project has strong NGO support and will be integrated into the national disaster risk management strategy.

Training. A GFDRR training session for disaster management practitioners has resulted in increased appreciation of the value of damage and loss assessments for risk reduction and recovery. The government is putting in place a framework and allocating budgetary resources to ensure that such assessments are an integral part of recovery efforts if a disaster strikes.

The GFDRR projects are helping to fill a critical gap in ongoing disaster risk management work. New tools for disaster risk reduction, including risk financing, will be introduced at the provincial level to complement ongoing national efforts.

# Strengthening Regional Capacity

The GFDRR is helping to strengthen the region's preparedness through training programs, improved technical resources, and a regional roster of disaster experts available for rapid advisory services for sustainable recovery operations. In the Bank's East Asia and Pacific Region, the Urban and Water Unit now officially includes disaster risk reduction as a core function. Several training seminars are improving coordination across sectors within the region.



The Baseline Status Reports on Disaster Reduction in Asia & Pacific, being developed with GFDRR support, cover more than 30 countries in East Asia and the Pacific, West and Central Asia, Southeast Asia, and South Asia. A collaborative effort of the ISDR, the Asian Disaster Preparedness Center (ADPC), and the Asian Disaster Reduction Center (ADRC), it features an analysis of regional data on hazards, vulnerabilities, and disaster risk reduction measures.

A series of Technical Notes on Hazard and Disaster Risk Management will help policy makers integrate disaster risk reduction considerations into their decision making. The notes are being spearheaded by the ISDR Secretariat in Asia and the Pacific, in partnership with Kyoto University and the ADPC.

In Indonesia, the preparation of strategic local action plans for disaster risk reduction in three districts affected by the May 2006 earthquake is considered the first attempt in the region to implement the HFA priorities at the local level. With GFDRR support, ISDR, the UNDP country office in Indonesia, and the provincial and district/city planning agencies are jointly facilitating local action planning in the province of Central Java and the Special Region of Yogyakarta. The goal is to bring together key local government officials, civil society organizations, the private sector, and other stakeholders to link disaster risk reduction directly with socioeconomic development planning and policies.

ISDR is working on a regional knowledge network for disaster risk reduction, in close coordination with PreventionWeb and other partners of the ISDR Asia Partnership. In collaboration with OCHA, draft country profiles on disaster risk reduction and a database featuring disaster risk reduction initiatives are being developed.

#### Nicaragua, Peru, and the Latin American and Caribbean Region

Latin American and Caribbean countries are among the most advanced in mainstreaming disaster risk reduction. Mexico and Colombia have contracts with catastrophic risk insurance companies, while national and municipal governments in the region are using probabilistic risk assessments. A major initiative is the pooling of catastrophic risks among Caribbean island states for affordable risk insurance, including the use of a World Bank grant for the annual dues of Haiti. Regional cooperation is also well advanced in Central America and among the Caribbean island states whose economies are too small to shoulder the hurricane risks that lead to major annual losses.

The Andean countries, which are particularly susceptible to earthquakes and landslides, have also developed substantial regional cooperation programs. These innovative advances, however, do not address the uneven and sometimes largely unmet needs for mainstreaming risk management in critical policy and regulatory areas. Few countries have systems in place to enhance technical capacity, accountability, and governance at national and local levels. Originally, Nicaragua was the only Andean country scheduled for GFDRR intervention last year, but following the 2007 earthquake, the Peruvian government requested GFDRR assistance.

A Central American Probabilistic Risk Assessment (CAPRA) study in Nicaragua will rely on advanced catastrophic risk modeling techniques to identify and evaluate the potential material and financial losses expected from natural disasters. The study will eventually be expanded to all Central American countries. The first phase of CAPRA is underway and will provide risk profiles for each country, including types of assets, risks, and regional locations. Losses will be modeled according to investments in disaster risk reduction. The information will allow decision makers to quantify and prioritize investments.

Peru's earthquake disaster assistance program is characteristic of how the Andean countries approach risk management. A major earthquake struck Peru in August 2007, resulting in significant loss of life and structural damage to the Ica Province. In response, the government of Peru established the Fondo para la Reconstrucción del Sur (FORSUR) to coordinate the reconstruction program. GFDRR funding is being used to establish FORSUR's organizational structure and provide coordination and monitoring support, fiduciary management and control systems, damage assessments, and sector-specific technical assistance for risk reduction.

#### Progress in the Region

A high-level conference on "Risk Reduction, Mitigation, and Recovery from Natural Disasters in the Greater Caribbean" helped increase political commitments to a disaster risk reduction action plan. The Caribbean Platforms Programme is a practical and resultsoriented initiative to advance national capacity as well as regional and international disaster risk reduction agendas in the wider Caribbean. Objectives include integrating disaster risk reduction into sustainable development planning and policies in the subregion.

In Central America and the greater Caribbean subregion, academic institutions and regional and national resource centers have increased their capacity to collect and analyze regional data on hazards, vulnerabilities, and disaster risk reduction measures. They presented their first regional report, as well as a comprehensive risk and action matrix, to the Global Platform. A longer-term methodology for gathering and analyzing information will allow the matrix to be effectively updated.

In the Andean countries, a workshop on "Financing Strategies for Disaster Risks" provided training and served as a public awareness tool to promote the use of financial planning principles in national disaster risk management.

With GFDRR support, ISDR and the Pan American Health Organization have developed a program on "Encompassing Disaster Risk Reduction and Human Health Resilience in Environmental Security and Peace Studies." The program is part of the Master's Programme on Environmental Security and Peace at the U.N.'s University for Peace. Between 20 and 30 students are expected to enroll every year.

The application of free satellite data to disaster risk mapping was the topic of a weeklong workshop organized by ISDR, ILO/DELNET and the U.N. Operational Satellite Applications program in Nicaragua. Decision makers and technical experts from 12 countries participated, including municipal officials from Nicaragua, Cuba, Colombia, and the Dominican Republic. The workshop was part of a broader initiative to develop local capacity on risk management. The objective is to foster strategic planning using geographic information systems with hightechnology satellite imaging support. This interagency partnership is also linking key partners in the region to address issues of urban risk.

The first high-level ministerial conference on disaster reduction in the greater Caribbean was held in Saint-Marc, Haiti. Ministers adopted of a five-year plan of action to guide the work of the Association of Caribbean States' Special Committee on Natural Disasters.



#### Europe

The World Bank, ISDR secretariat, and international partners have initiated the disaster risk mitigation and adaptation initiative for South Eastern Europe as the foundation for investment priorities in early warning, disaster risk reduction, and financing. The initiative includes hydrometeorological forecasting, data sharing, and early warning; coordination of disaster mitigation, preparedness and response; financing of disaster losses, reconstruction and recovery; and disaster risk insurance

A series of studies has been undertaken to assess the region's progress in each focus area. These include Risk Assessment in South Eastern Europe, Strengthening of the National Meteorological and Hydrological Services in South Eastern Europe, Meteorological and Hydrological Information Sharing—Status, Needs, Capacity Building (in close collaboration with the World Meteorological Organization (WMO) and the Finnish Meteorological Institute) and A Study of Catastrophe Risk Financing Options Mitigating the Adverse Financial Effects of Natural Hazards on the Economies of South Eastern Europe. Reviewers included the WMO, the Organization for Economic Co-operation and Development (OECD), EU/ EC, UN, DPPI, CMEP, the national HFA focal points, ISDR, and the World Bank.

#### Middle East and North Africa

The World Bank and the ISDR sponsored the first regional workshop in Cairo, Egypt, to finalize a risk update for the Middle East region and discuss opportunities for future collaboration. As a follow-up, the Arab Academy for Science & Technology and Maritime Transport, a specialized body of the League of Arab States, has agreed to cooperate with the ISDR on research, training, and assessments of disaster risk reduction and management; translation and publication of materials on disaster risk reduction; developing disaster risk reduction terminology in Arabic; and developing regional networks, databases, and related tools on disaster risk reduction.

#### Positioning Disaster Risk Reduction at the Center of Global Efforts to Reduce Poverty

Even though natural disasters are a global phenomenon, people living in poverty are affected the most because they lack the resources to cope. A balanced and realistic poverty strategy has disaster risk reduction as its centerpiece.

The GFDRR's global activities focus on accelerating implementation of the HFA through the exchange of good practices, progress reviews, and strengthening the economic and social case for disaster risk reduction.

Priorities include expanding innovative partnerships, standardizing and harmonizing risk management methodologies and practices, enhancing regional cooperation, and documenting best practices and lessons learned.

# Expanding Innovative Partnerships

A host of partnerships has been established to enhance global advocacy, partnership, and knowledge management.

The Private-Public Partnership for Disaster Risk Reduction—a joint effort of the Bank, ISDR, and the World Economic Forum—recognizes the integral role of the private sector in risk reduction. Among its major achievements are:

- strong participation by private sector representatives and disaster experts;
- a study, "The Case for Business to Undertake Disaster Risk Reduction Activities," which analyzes the process by which losses occur and identifies opportunities for private sector intervention;
- a series of global workshops to raise regional awareness, provide insights, and cement commitments to long-term partnerships for disaster risk reduction, particularly in Africa and India.

The Media Network on Disaster Risk Reduction aims to raise the profile of disaster risk reduction in the news media. The network has more than 50 members, including journalists and news services from different regions. Among the major achievements:

- Expanded media appreciation of the importance of disaster risk reduction. For example, David Astley, secretary-general of the Asia-Pacific Broadcasting Union, has encouraged all members to boost coverage of risk reduction in their broadcasts.
- Increased understanding of long-term disaster risk reduction. Network members now look beyond the humanitarian crisis and request interviews with disaster experts.
- Media workshops in Dakar, Senegal, Washington, DC, and Geneva. Journalists had the opportunity to learn about the scale and diversity of investments needed for effective disaster risk reduction.
- Specialized media materials, targeted to executive producers. The packets, which focus on the arguments for disaster risk management, will be available at the second Global Platform on Disaster Risk Reduction in 2009.
- Increased and more accurate media coverage of disaster risk reduction. Network members now report on more disasters and generate higher-quality stories on causes and mitigation. For example, a BBC Earth Report, "Sink or Swim," was produced under the auspices of the GFDRR and the ISDR. It aired in more than 140 countries and territories around the world.

#### **Building a Living Library of Stories**

With GFDRR support, the ISDR secretariat is establishing a film library to promote good practices on risk reduction and management. Two documentary films were produced in Madagascar to illustrate how a country can organize a National Platform for Disaster Risk Reduction and a field library. More than 1,500 copies of the video, in English, French, and Spanish, have been sent to HFA focal points and ISDR system partners.

The Global Partnership of Universities, Academic Institutions, and Research Organizations for Disaster Risk Reduction is a joint initiative of the World Bank Institute and the ISDR secretariat. The partnership, with participants from North and South, promotes disaster risk reduction education, training, research, and knowledge sharing to overcome gaps in training and information resources.

Among the major achievements:

A survey of worldwide networks, consortia, and associations conducted by the Consortium of Universities for Research in Earthquake Engineering. The survey is helping to identify partners that can provide expertise or are recipients of support



- A strategic plan for the Global Partnership, based on the survey findings
- A database of existing inventory resources and programs for PreventionWeb

A Global Network for Drought Risk Reduction is being developed by the GFDRR and the ISDR secretariat. The goal is to strengthen capacities and support regional and national drought risk reduction activities, particularly in Africa and other areas where drought is a major threat. Among the major achievements:

- A special partnership with the National Drought Mitigation Center at the University of Nebraska-Lincoln to identify key information, tools, and good practices. Discussions are also underway with the United Nations Convention to Combat Desertification (UNCCD), the WMO, OCHA-EPS, the WFP, the FAO, the International Federation of Red Cross and Red Crescent Societies (IFRC), the World Bank, the European Commission, and regional centers.
- Establishment of the International Centre for Drought Risk Reduction. The centre is a collaboration with the Chinese Ministry of Civil Affairs and the National Committee for Disaster Reduction. The objective is to improve international and regional coordination, capacity building, and knowledge sharing.
- A set of policy guidelines, Drought Risk Reduction Framework and Practices: Contributing to Implementation of the Hyogo Framework for Action. The guidelines document drought statistics and definitions, identify vulnerabilities, and provide other valuable information, tools, and practices.

#### Integrating Disaster Risk Reduction into the Health Sector

One of the main tools for implementing the HFA is the biennial World Disaster Reduction Campaign, which is supported by the GFDRR and jointly led by the ISDR secretariat and the WHO. The 2008 – 09 campaign theme will be Hospitals Safe from Disasters: Reduce Risk, Protect Health Facilities, Save Lives. The campaign aims to protect the lives of patients and health workers by emphasizing the structural resilience of health facilities; ensuring that health facilities and health services are able to function in the aftermath of emergencies and disasters, when they are most needed; and improving the risk reduction capacity of health workers and institutions, including emergency management. The campaign was launched at the 2008 World Economic Forum in Davos, Switzerland. Governments, international and regional organizations, NGOs, the private sector, research institutions, and individuals are participating.

#### Improving Standardization and Harmonization

PreventionWeb is a virtual clearinghouse—an information portal on disaster risk reduction that seeks to standardize and harmonize relevant information. A project of ISDR system partners, it was launched to facilitate the work of disaster risk reduction professionals and promote better understanding among non-specialists.

Among the major contributions are:

- documenting lessons from national experiences;
- providing a basis for disaster risk reduction processes such as the Global Platform and joint interagency work;
- providing networking tools at national and regional levels;
- supporting user groups (PreventionWeb publishes simple listings of events and jobs, as well as an initiatives list and the HFA contact list);
- developing information systems for the International Recovery Platform and Disaster Reduction Hyperbase projects;
- conducting needs analyses to ensure that services are relevant for target audiences.

The Disaster Risk Reduction 2007 Global Review provides an overview of current trends and patterns in global disaster risk. It also documents the progress countries are making to reduce risk through implementation of the HFA. The findings are based on national progress reports and studies on identifying and assessing global disaster risks by the World Bank, the UNDP, the UNEP, the Inter-American Development Bank (IDB), Centre for Research on the Epidemiology of Disasters (CRED) and the ISDR. The report identifies key issues and challenges that are priorities for the ISDR system and offers a preview of elements that will be assessed in more detail in the first biennial Global Assessment Report on Disaster Risk Reduction.

#### Among the Global Review's findings:

- Partner institutions must be identified to further develop current global risk updates and analyses, including comparative case studies of how risk trend analysis can be usefully applied to inform decision making at the policy, programming, and implementation levels.
- A more in-depth analysis on how implementation of the HFA impacts poverty trends and development gains is needed. The concept outline for this analysis is being drafted in consultation with ISDR system partners, NGOs, and universities.
- Reporting gaps evident in the 2007 review highlight the need for systematic assessments at all levels, and across sectors of activity. This will require the clarification of reporting mechanisms and basic indicators. Global, national, and regional partners are reviewing benchmarks against which HFA progress can be measured.

#### Building on Established Good Practices

Environment: The ISDR secretariat is working with the UNEP, the World Conservation Union, and regional partners to strengthen national capacities to apply environmental tools and services for risk reduction. A joint issue paper, "Environment and Vulnerability—Emerging Perspectives," was developed in consultation with the ISDR environment and disaster working group. It provides guidelines for leveraging environmental and sustainable policies and practices for disaster risk reduction. The paper was distributed at the first Global Platform for Disaster Risk Reduction.

Climate Change: A key goal is building the capacity of least-developed countries that have prioritized the development of early warning systems in their National Adaptation Programmes of Action. ISDR, the UNFCCC secretariat, and the Least Developed Countries Expert Group are providing training to selected countries, including on how to develop early warning systems and effective funding proposals.

HFA Implementation Guidelines: The revised guidelines give practical advice on how to manage 22 selected tasks grouped around the five priorities for action. Each chapter also includes a set of suggested indicators. In addition to national governments, HFA focal points and national platforms for disaster reduction received copies. The guidelines have also been adapted for wider application at international, regional, and national levels.

Scientific and Technical Committee: A workshop on Science Mechanisms and Priorities for the ISDR system focused on the HFA requirements for risk assessments, early warning systems, and reducing underlying causes of risks. The workshop emphasized the need for independent scientific and technical advice, including:

an assessment of the gaps and needs for scientific and technical inputs to disaster risk reduction and the ISDR system

- establishment of clear priorities, such as economic studies on disaster risk reduction, mega-city risk assessments, assessments of early warning and response mechanisms for different hazards, comprehensive vulnerability studies, and risk assessment studies of rare but massive events
- procedures for establishing the ISDR scientific and technical advisory mechanism.

### Enhancing Regional Cooperation

Improved coordination and coherence among regional and sub-regional organization reinforces national government efforts to address vulnerability and the impact of disasters on poverty reduction, investments, and sustainable development. In addition to leveraging additional resources, the support can facilitate national government reporting on progress in implementing the HFA and establishing national, sub-regional, and regional platforms for disaster risk reduction as part of the ISDR system.



# Resource Mobilization and Management

The GFDRR is a unique, long-term partnership, and the only global financing mechanism for systematically integrating disaster risks and climate change impacts into poverty reduction and other country strategies. Using a three-track operation (described below), it offers a complete range of services, both before and after a disaster. Its financing structure is flexible and innovative, and caters to requirements of bilateral donors, U.N. agencies, international finance institutions, and private sector partners.

## **GFDRR Funding**

#### Track I

Track I, which is managed through ISDR, targets knowledge sharing and advocacy. Examples include regional cooperation on disaster risk reduction in Central America, Sub-Saharan Africa, southeastern Europe, and South Asia; and partnerships with north and south universities, academic institutions, and scientific organizations to promote disaster risk reduction in education, training, and research.

Financing of Track I activities comes from the World Bank. For fiscal years 2007-09, the World Bank, through the Development Grant Facility (DGF), is contributing a total of

US\$15 million (or US\$5 million per year). DGF resources are usually allocated for start-up programs like GFDRR; therefore, subsequent funding after FY09 will require the approval of the World Bank Board of Directors.

#### Track II

Track II supports the development of national strategies and capacity building interventions. It provides ex ante support, primarily through three-year technical assistance programs, to enhance investments in risk reduction and risk transfer mechanisms. Currently it is helping to develop models for the design of risk financing projects in 11 countries, national strategies for disaster risk reduction in 24 countries, and disaster prevention and preparedness projects in seven countries.

Financing of Track II activities is made possible by contributions from various donors in the form of trust funds administered by the World Bank. To maximize flexibility in terms of contributions, GFDRR follows a two-tier financial structure: core and non-core funds. The core fund consists of untied funds that can be used to support any activity falling within the Track II mandate. Non-core funds are usually subject to donor restrictions regarding themes, activities, or regions. As of June 30, 2007, only Australia has established a noncore fund (to finance activities in Bangladesh, Cambodia, Timor-Leste, and Vanuatu). Japan and Spain have also indicated they will establish non-core funds in fiscal year 2008.

#### Track III

Track III's SRFF is a mechanism to support accelerated disaster recovery in low-income countries. The Callable Fund will accept donor funds after a specific disaster. The funds are used to bridge the gap between immediate relief efforts and longer-term reconstruction and development programs. The USAID Office of U.S. Foreign Disaster Assistance (OFDA) and the EC have expressed interest in channeling funds through the Callable Fund for quick disbursement of resources for disaster recovery.

Contributions to the GFDRR are in cash. In-kind resources may also be considered in limited cases. Under the GFDRR program charter, membership is open to eligible organizations and recipient or developing country governments. Official donors who contribute a minimum of US\$3 million per year and developing countries contributing US\$500,000 for a three-year period to either Track II core funds or Track III funds become members of the Consultative Group.

### **Donor Contributions**

As of June 30, 2007, the GFDRR had received a total of almost US\$9.4 million from Australia, Switzerland, the United Kingdom, and the World Bank (Table 1).

Table 1. Member Contributions to GFDRR Received as of June 30, 2007 (In US\$ Thousands)

MEMBER	CORE	NON- CORE	TOTAL RECEIVED
Australia	1,027	376	1,403
Switzerland	850		850
United Kingdom	1,957		1,957
World Bank	5,147		5,147
TOTAL	8,981	376	9,357

Eight donors—Australia, Switzerland, the United Kingdom, the World Bank, Denmark, Japan, Spain, and Sweden—have pledged US\$55,219 million (including the US\$9.4 million already received), which would cover the period until June 2010 (Table 2). Other donors, such as Canada, Luxembourg, the European Commission, France, Finland, Germany, Italy, India, Norway, and USAID are also expected to join GFDRR during fiscal year 2008.



Table 2. Member Contributions to GFDRR Pledged as of June 30, 2007 (In US\$ Thousands)

MEMBER	CORE	NON-CORE	
Australia	3,081	1,128	a/
Denmark	7,250		
Japan	3,000	3,000	b/
Spain	3,000	3,000	c/
Sweden	7,150		
Switzerland	850		
United Kingdom	8,760		
World Bank	15,000		d/
SUBTOTAL	48,091	7,128	
TOTAL	55,	219	

NOTE: Pledged amounts include receipts as of June 30, 2007. Except for Switzerland, all pledged amounts are for three years. Switzerland is for one year.

a/Targeted to the following specific countries: Bangladesh, Cambodia, Timor-Leste, and Vanuatu.

b/ Targeted to the following specific countries: Sri Lanka, Pakistan, and LAO PDR

c/ Targeted to the following countries: Costa Rica, Ecuador, and Guatemala

d/US\$5 million per year for three years (FY07 to FY10) is provided as a grant to ISDR under Track I financing.



### **Expenditures**

The GFDRR's expenditures fall into the following main categories: program activities and the secretariat. As of June 30, 2007, GFDRR expenditures totaled US\$7.108 million (Table 3). Of this total, US\$6.762 million was earmarked for program activities—US\$5 million under Track I and US\$1.762 million under Track II. The Track I contribution was provided as a grant to ISDR.

A total of US\$347,000 was spent on secretariat operations, including meetings of the Consultative Group, dialogue with partners of the ISDR system, and participation in advocacy events. A detailed breakdown is provided in Table 4.

Table 3. GFDRR Expenditures for Program Activities and Secretariat Costs as of June 30, 2007 (In US\$ Thousands)

EXPENSE CATEGORY		EXPENDITURE
Program Activities		6,762
o/w Track I	5,000	
Track II	1,762	
Secretariat		347
TOTAL		7,108

Table 4. GFDRR Secretariat Expenditures (In US\$ Thousands)

EXPENSE CATEGORY	EXPENDITURE
Administration	
Staff Costs <sup>1</sup>	225
Travel <sup>2</sup>	92
Overhead <sup>8</sup>	4
Other <sup>4</sup>	26
TOTAL	347

<sup>1</sup> Staff Costs includes salaries and benefits of GFDRR secretariat headquarters staff (including Extended Term Consultants and Extended Term Temporaries)

<sup>2</sup> Travel includes travel expenses of the secretariat headquarters staff, candidates/interviewees for GFDRR positions, annual meeting participants, other participants in GFDRR-sponsored events.

<sup>3</sup> Overhead includes office space, communications & IT, computers, and other office equipment of Washington-based PMU + representation and hospitality.

<sup>4</sup> Other includes the use of short-term consultants and other contractual services (e.g. translation, graphic design, publishing and printing, etc.)

Of the total of US\$1.565 million transferred to fund disaster reduction efforts under Track II, a total of US\$262,817 was disbursed and an additional US\$105,092 was committed (Table 5). As the activities were approved by the second half of the fiscal year, an average burn rate of 24 percent was achieved. Disbursements are expected to pick up in fiscal year 2008.

Table 5. Approved Activities under Track II for FY07-FY10, as of June 30, 2007 (by Region (In US\$ Thousands)

REGIONS	APPROVED	TRANSFERRED	DISBURSEMENT a/ (Actuals + Commitments)	BURN RATE b/
Africa	2,128	496	122	25%
East Asia and Pacific	1,194	273	17	6%
Europe and Central Asia	235	20	10	52%
Latin America and Caribbean	1,169	273	109	40%
Middle East and North Africa	210	20	20	98%
South Asia	1,214	328	34	10%
Global	270	155	57	37%
TOTAL	6,420	1,565	369	

a/This would refer to actual payments made and contracts already entered in the Bank's SAP system. b/Disbursement rate as a percentage of actual amount transferred during the first year of activity.



# Annex 1: Abbreviations and Acronyms

ACS Association of Caribbean States ADPC Asian Disaster Preparedness Center ADRC Asian Disaster Reduction Center African Union Commission AUC

African Union ΑU

Central American Probabilistic Risk Assessment CAPRA

CAS Country Assistance Strategy

CRID Regional Disaster Information Center for Latin America

and the Caribbean

**DFID** Department for International Development

DGF **Development Grant Facility** EC European Commission

ECHO European Commission's Humanitarian Aid Office

**ECLAC** Economic Commission for Latin America and the Caribbean

United Nations Economic and Social Council **ECOSOC ECOWAS Economic Community of West African States** 

EU European Union

FAO Food and Agriculture Organization **FORSUR** Fondo para la Reconstruccion del Sur GFDRR Global Facility for Disaster Reduction and Recovery

HFA Hyogo Framework for Action IFIs International Financial Institutions

International Federation of Red Cross and Red Crescent Societies **IFRC** 

ICIMOD International Centre for Integrated Mountain Development

**ICPAC** Climate Prediction and Applications Centre

Inter-American Development Bank IDB

**IGAD** Intergovernmental Authority on Development **IPCC** Intergovernmental Panel on Climate Change

II O International Labor Organization

ISDR International Strategy for Disaster Reduction

Nongovernmental Organization NGO

NMHSs National Meteorological and Hydrological Services

**OECD** Organization for Economic Co-operation and Development

**OCHA** Office for the Coordination of Humanitarian Affairs

PRS Poverty Reduction Strategy PRSP Poverty Reduction Strategy Paper RBMS Results-Based Management System RFC Regional Economic Communities

SADC Southern African Development Community

Swedish International Development Cooperation Agency Sida

SRFF Standby Recovery Financing Facility

United Nations UN

United Nations Development Assistance Framework UNDAF

**UNDP** United Nations Development Programme **UNEP** United Nations Environment Programme

United Nations Convention to Combat Desertification UNCCD United Nations Framework Convention on Climate Change UNFCCC

**USAID** US Agency for International Development

WEF World Economic Forum WFP World Food Programme World Health Organization WHO

WMO World Meteorological Organization



# Annex 2: Natural Disaster Hot-Spot Countries

Pipeline PRSs/CASs/UNDAFs in Natural Disaster Hot-Spot Countries with More than 30% GDP in Areas at Risks Due to Two or More Hazards Technical Assistance under Tracks II and III of GFDRR

SL NO	COUNTRY	% OF TOTAL AREA AT RISK	% OF POPULATION IN AREAS AT RISK	% OF GDP IN AREAS AT RISK	GDP IN US\$ BILLIONS	POVERTY REDUCTION STRATEGY Paper—Board date	COUNTRY ASSISTANCE STRATEGY— Board presentation date	UNDAF—VIEW BY HARMONIZED Cycle Year (CCA/Undaf Year is 2 Years prior to the Cycle)	FY 07-09	FY 08-10	FY 09–11
1	El Salvador	88.7	95.4	96.4	16		Progress Report— 08/30/2007	2007		II	
2	Jamaica	94.9	96.3	96.3	8		Progress Report— 03/27/2007	2007		II	

SL NO	COUNTRY	% OF TOTAL AREA AT RISK	% OF POPULATION IN AREAS AT RISK	% OF GDP IN AREAS AT RISK	GDP IN US\$ BILLIONS	POVERTY REDUCTION STRATEGY Paper—board date	COUNTRY ASSISTANCE STRATEGY— Board presentation date	UNDAF—VIEW BY HARMONIZED Cycle Year (CCA/Undaf Year is 2 Years prior to the Cycle)	FY 07-09	FY 08-10	FY 09-11
3	Dominican Republic	87.2	94.7	95.6	19		Progress Report— 07/12/2007	2007			
4	Guatemala	52.7	92.1	92.2	27		Progress Report— 01/11/2007	2005		II	
5	Korea, Rep of	82.8	92.2	91.5	680						
6	Vietnam	33.2	75.7	89.4	45	Vietnam 5 year SEDP and JSAN 2006— 12/05/2006	Country Partnership Strategy— 01/23/2007	2006	II, III		
7	Albania	86.4	88.6	88.5	8			2006			II
8	Costa Rica	51.9	84.8	86.6	18		Progress Report— 11/30/2006	2008		II	
9	Colombia	21.2	84.7	86.6	97		CAS— 09/27/2007	2008		II	
10	Bangladesh	71.4	83.6	86.5	57			2006		,	
11	Philippines	50.3	81.3	85.2	86			2005		II	III
12	Turkey	73	80.9	83.3	302		CAS— 06/07/2007	2006		II	
13	Trinidad and Tobago	66.7	82.4	83.1	13		CAS - 07/01/2008	2008			
14	Antigua and Barbuda	53.4	80.4	80.4	1						
15	Barbados	79.9	79.9	79.9	1						
16	San Marino	66.7	55.3	73.1	1						

SL NO	GOUNTRY	% OF TOTAL AREA AT RISK	% of population in areas at Risk	% OF GDP IN AREAS AT RISK	GDP IN US\$ BILLIONS	POVERTY REDUCTION STRATEGY Paper—Board date	COUNTRY ASSISTANCE STRATEGY— Board presentation date	UNDAF—VIEW BY HARMONIZED CYCLE YEAR (CCA/UNDAF YEAR IS 2 YEARS PRIOR TO THE CYCLE)	FY 07-09	FY 08-10	FY 09–11
17	Ecuador	24.4	73.6	72.2	30		CAS— 06/07/2007	2007		II	
18	Mexico	15.9	68.2	71.1	676		CAS— 02/28/2008 Progress Report— 02/06/2007	2008			
19	Dominica	68.3	67	68.3	1	Progress Report— 06/26/2007					
20	Nicaragua	21.6	68.7	67.9	4	Progress Report— 04/19/2007	CAS — 09/13/2007	2008	II		
21	Chile	5.2	64.9	67.7	94		CAS— 02/27/2007	2008			
22	Iran, Islamic Rep. of	31.7	69.8	66.5	163		CAS (FY07 Joint IFC)—06/14/2007	2005			
23	Venezuela	4.9	61.2	65.9	109		Interim CAS— 02/13/2007	2008			
24	Uzbekistan	9.3	65.6	65.5	12	PRSP— 12/10/2007	Interim Strategy Note—07/27/2006	2005			
25	St. Kitts and Nevis	0.01	52.8	64.9	1						
26	Jordan	13.7	64.9	64.7	11			2008			
27	Argentina	1.8	57.4	63.2	152						
28	South Africa	8.6	56.4	62.4	213		Country Partnership Strategy— 01/18/2007	2007			

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29	Tunisia	30.4	64.1	62.4	28		Progress Report— 04/03/2007	2007			II
30	Indonesia	11.5	67.4	62.3	258		FY07-08 CAS Progress Report— 10/05/2006	2006	III	II	
31	China	13.1	49.8	56.6	1,649			2006		II	
32	Honduras	19	56	56.5	7	Progress Report— 02/01/2007	CAS— 11/07/2006	2007			
33	Haiti	44.4	47.9	56	4	Full PRSP— 10/26/2007	Interim Strategy Note—01/25/2007				
34	Uruguay	3	55	55	13		Progress Report— 05/31/2007	2007			
35	Peru	4	41.5	53.7	68		CAS— 12/19/2006	2006	II		
36	Liechtenstein	53.9	45.9	53.6	1						
37	Kyrgyz Republic	8.3	51.3	53.4	2		CAS— 04/19/2007	2005			II
38	Montserrat	50.3	50.3	50.3	1						
39	Romania	37.4	45.8	50.3	73			2005			
40	India	22.1	47.7	49.6	692		Progress Report— 03/13/2007	2008			
41	Algeria	3.1	49.3	48.3	85		CAS— 01/15/2008	2007		II	

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42	Niue	48.1	48.1	48.1	1						
43	Cyprus	50.4	60.5	47.4	15						
44	Andorra	43.5	19.4	45	1						
45	Paraguay	2	45.6	42.9	7		Progress Report— 04/30/2007	2007			
46	Azerbaijan	15.6	42.3	42.4	9	PRSP— 03/15/2007	CAS— 12/07/2006	2005			
47	Pakistan	9	40.1	41.6	96	Progress Report— 03/29/2007		2004		II	
48	St. Vincent	41.6	41.6	41.6	1						
49	Georgia	4.4	40.5	41	5			2006			
50	Macedonia, FYR	38.8	29.6	38.7	5		CAS— 02/28/2007	2005			
51	Tajikistan	4.1	38.2	38.3	2	Progress Report/JSA 2— 02/22/2007		2005			
52	Bolivia	1	36.6	37.7	9		Interim Strategy Note—11/21/2006	2008		II	
53	Mozambique	0.01	1.9	37.3	6	JSAN of PARPA 2— 12/19/2006	CAS— 03/20/2007	2007			
54	Djibouti	1.9	31.7	35.3	1			2008		III	II

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55	Cambodia	9.1	31.3	34.5	5	PRSP— 03/01/2007	Progress Report— 05/30/2007	2006		II	
56	Morocco	3.4	30.4	33.4	50			2007			II
57	Bulgaria	29.3	31.6	30	24						
58	Nepal	80.2	97.4	×30	7	Progress Report— 12/07/2006	Progress Report— 02/08/2007	2008			
59	Burundi	96.3	96.6	×30	1	Full PRSP— 02/08/2007		2008			
60	Malawi	70.8	95.3	*30	2	4th APR JSAN & PRSP II— 01/09/2007	CAS— 01/30/2007	2007	II		
61	Niger	14.4	76.4	×30	3	Full PRSP 2— 07/12/2007	CAS— 02/27/2007	2004			II
62	Ethiopia	29.9	69.3	*30	8	Full PRSP— 01/09/2007	CAS— 10/01/2007	2007		II, III	
63	Kenya	29	63.4	×30	16	Progress Report— 12/14/2006	CAS — 12/11/2007 Progress Report — 01/18/2007	2004		II	
64	Burkina Faso	35.1	61.7	×30	5	PRSP PR #6— 04/12/2007	Progress Report— 06/28/2007	2006			II
65	Bhutan	31.2	60.8	×30	1			2008			II
66	Madagascar	15.7	56	×30	4	Progress Report— 07/26/2006	CAS— 03/15/2007	2005		II, III	

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67	Comoros	59	54.2	*30	1	Full PRSP— 01/08/2008	Interim Strategy Note—12/14/2006	2008		II	III
68	Tanzania	27.7	53.7	×30	11		CAS— 05/03/2007	2007			
69	Somalia	15.4	53.3	×30	1		Interim Strategy Note—01/29/2008	2008			
70	Senegal	10.1	52.9	×30	8	Full PRSP— 01/30/2007	CAS— 03/15/2007	2007			II
71	Grenada	52.1	52.1	×30	1	Full PRSP— 07/03/2007					
72	Lesotho	52.4	50.5	*30	1			2008			
73	Afghanistan	7.2	46	×30	6			2006			
74	Cameroon	9.2	42	*30	15		Interim Strategy Note—12/07/2006	2008			
75	Fiji	20	42	×30	3			2008			II
76	Togo	61.2	39.3	×30	2			2008			
77	Zimbabwe	10.1	39	×30	1		Interim Strategy Update— 03/29/2007	2007			
78	Congo, Rep of	1.9	38.8	*30	1	PRSP— 03/13/2008	Interim Strategy Note—01/23/2007	2008			
79	Benin	37.2	38.6	*30	4	PRSP II— 05/01/2007	Full CAS— 08/30/2007	2004			
80	Belize	19.8	38.2	*30	1			2007			

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81	Sierra Leone	13	35.7	*30	1	PRSP/ JSAN #1— 12/21/2006	Progress Report— 04/26/2007	2008			
82	Mali	2.9	29.6	×30	5	PRSP 2— 03/29/2007	CAS— 04/26/2007	2008			
83	Lebanon	19.2	29.2	×30	22			2008			
84	Uganda	27.5	26.6	×30	7	Progress Report— 06/14/2006		2006			
85	Central African Republic					Full PRSP— 12/13/2007	Interim Strategy Note—12/21/2006	2007			
86	Côte d'Ivore					Full PRSP— 03/18/2008	Interim Strategy Note—01/23/2007	2008			
87	Liberia					Interim PRSP— 05/22/2007	Interim Strategy Note—03/29/2007 Progress Report— 01/08/2008	2008			
88	Myanmar										
89	West Bank and Gaza						WBG Assistance Strategy— 11/15/2006				
90	Angola					PRSP— 05/16/2007	Interim Strategy Note - 02/28/2007	2005			

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91	Chad					PRSP Update— 12/13/2007	Progress Report— 12/13/2007	2006			
92	Congo, Dem. Rep. of					Full PRSP— 02/20/2007	CAS— 03/27/2007	2008			II
93	Eritrea					PRSP— 03/29/2007		2007			II
94	Guinea					Progress Report #2— 09/08/2006	Interim CAS— 05/31/2007	2007			
95	Guinea- Bissau					Full PRSP/ General Economic Work— 02/01/2007	Interim Strategy Note—02/01/2007	2008			
96	Kosovo						(First) CAS— 12/10/2007				
97	Lao, PDR					PRSP-NSEDP 2006-2010— 04/26/2007	Progress Report— 05/30/2007	2007		II	
98	Solomon Islands										III
99	Sudan					I PRSP— 02/01/2007	Interim Strategy Note—02/01/2007	2008			
100	Timor-Leste										III
101	Tonga										

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102	Gambia, The						CAS— 06/26/2007	2007			
103	Mauritania					Progress Report— 09/13/2007 Full PRSP #2— 01/16/2007	CAS— 03/08/2007				
104	Nigeria						Progress Report— 03/27/2007				
105	Papua New Guinea						CAS— 05/24/2007	2008		II	Ш
106	São Tomé and Principe					Progress Report 2— 08/08/2007		2007			
107	Vanuatu				6102					II	
108	Cape Verde					Progress Report— 07/24/2006	Progress Report— 05/03/2007	2006			
109	Equatorial Guinea						Interim Strategy Note—12/03/2007	2008			
110	Gabon							2007			
111	Mauritius						Country Partnership Strategy— 11/02/2006				
112	Seychelles										

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113	Swaziland						Country Dialogue— 07/01/2009	2006			II
114	Brunei										
115	Kiribati										II
116	Marshall Islands										II
117	Micronesia, Federated States of										
118	Palau										
119	Samoa							2008			
120	Tuvalu										
121	Bahamas, The										
122	Guyana					Progress Report— 06/19/2007		2006			
123	St. Lucia										
124	St. Vincent and the Grenadines										

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125	Suriname							2008			
126	Bahrain										
127	Estonia										
128	Maldives					JSA/PRSP— 03/13/2007	CAS— 08/14/2007	2008		II	
129	Malta										
130	Qatar										
131	Cook Islands										
132	Nauru										
133	Rwanda									II	III
134	Panama										II
135	Yemen, Republic of									II, III	
136	Armenia										II
137	Sri Lanka									II	

Design: Patricia Hord.Graphik Design
Printing: Jarboe Printing

Photography: cover, pp. ii, 3, 11, 15, 16, 25, 28, 35, 36, 39, 41 © Arne Hoel/The World Bank; pp. 6-7 © Anders Gunnartz;
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