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## Retrofitting Development for Disaster Resilience

Achievement of the Millennium Development Goals is already jeopardized by current levels of vulnerability to natural hazards of all kinds. The development process does not necessarily reduce vulnerability to natural hazards. In fact, it can create new forms of vulnerability or exacerbate existing ones, impeding efforts to reduce poverty and promote growth, many times with tragic consequences. The occurrence and severity of disasters are increasing not only due to climate change, but also to poorly planned urbanization, continued environmental degradation, and population growth. With this, the urgency also increases to correct how development efforts are perceived, conceived, designed, implemented, monitored, and evaluated. The “mainstreaming” of disaster risk reduction into development policy and planning, therefore, has been a key priority for ProVention since its establishment, and continues to be a core focus its efforts.

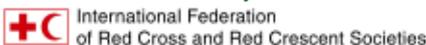


Workers stand at a destroyed railway track in Quang Binh province, Vietnam.  
Photo: REUTERS/Ho New.

The ProVention Consortium is a global partnership of governments, international organizations, academic institutions, the private sector and civil society organizations dedicated to increasing the safety of vulnerable communities and to reducing the impacts of disasters in developing countries.

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ProVention started with the awareness-raising process in its early days, focusing much of its research on documenting the economic and financial impacts of disasters on developing economies. Publications such as *Managing Disaster Risk in Emerging Economies* (2000), *Inundaciones en el Area Metropolitana de Buenos Aires* (2001), *Dominica: Natural Disasters and Economic Development in a Small Island State* (2001), *Bangladesh: Disasters and Public Finance* (2002), *Malawi and Southern Africa: Climatic Variability and Economic Performance* (2003), and *Understanding the Economic and Financial Impacts of Disasters* (2004) are just a few of the efforts that demonstrated that addressing natural disasters impacts were a core development priority rather than solely a humanitarian issue.

The past couple of years have seen particularly encouraging developments related to awareness and global policy commitment to disaster risk reduction (DRR), including the creation or revision of DRR policies in several bilateral donor agencies and International Finance Institutions, the establishment of the World Bank's Global Facility for Disaster Reduction and Recovery (GFDRR), and structural changes to strengthen the UN/ISDR system.

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In order to support the follow through of these critical commitments, ProVention started work in 2003 on *Tools for Mainstreaming Disaster Risk Reduction into Development*, consisting of guidance for development organizations to incorporate disaster risk analysis into country programming, project appraisal, design and evaluation. A first phase of the project reviewed in detail the tools used by development organizations in designing and evaluating projects. In the second phase, the project team developed a series of 14 guidance notes for use by development organizations in adapting existing programming, project appraisal and evaluation tools to support the mainstreaming of disaster risk reduction into development.

The guidance notes were published in January 2007 in a volume entitled *Tools for Mainstreaming Disaster Risk Reduction: Guidance Notes for Development Organisations*. More than 1000 copies of the publication have been distributed to various bilateral donor agencies, International Finance Institutions (IFIs), national governments and other stakeholders, with very positive feedback. A number of bilateral and multilateral agencies have expressed their usefulness for staff training, and there is an increasing number of governments and NGOs that have requested copies of the publication. ProVention is currently in the process of translating the publication into Spanish, French, and Arabic. A Dutch NGO, HIVOS, in collaboration with its local Indonesian partners has translated the publication into Bahasa Indonesia for further dissemination to local actors.

ProVention is also working with a number of IFIs and donor agencies to transform the guidance notes into training modules for agency and client staff to raise awareness and capacity for mainstreaming DRR.

Translating DRR mainstreaming policies and tools into action on the ground also requires the appropriate environment. A number of ProVention partners have indicated a strong interest in sharing experience and discussing common concerns in getting

### Steps to successful mainstreaming



This figure presents the series of steps necessary for successful mainstreaming of disaster risk reduction (DRR) in hazard prone countries. Not all the steps are necessarily sequential in order as presented, but rather overlap with each other in practice.

Source: Benson, Charlotte, and John Twigg. *Tools for Mainstreaming Disaster Risk Reduction : Guidance Notes for Development Organisations*. ProVention Consortium, 2007.

mainstreaming to happen on the ground. In this connection, ProVention is working with the Norwegian Ministry of Foreign Affairs and UNDP to organise a high level policy forum on the topic of mainstreaming DRR into development in early 2008. To feed into the debate, ProVention is developing documentation on country experience related to mainstreaming – where it has worked, where it hasn't, and enabling environments that contribute to effective mainstreaming. ■

## Learning from Past Flood Response and Relief Operations

Together with the Active Learning Network for Accountability and Performance in Humanitarian Action (ALNAP), ProVention has been developing a paper on lessons for relief and response managers in flood operations. This paper is due to be released in early December and adds to the set of earlier lessons papers that have been developed for *relief* and *recovery* in response to the 2005 South Asia Earthquake on *slow-onset disasters, including drought and food and livelihoods insecurity*.

The paper is based on a review of more than 45 evaluations and other resource documents produced over the last 20 years from flood relief and response operations in Africa, Asia and the Americas. It is currently being reviewed by a panel involving experts from the Red Cross / Red Crescent, Oxfam, ActionAid, WMO, and several local organizations that have been involved in recent flood response programs in Africa and Asia. ■



A family makes its way down a flooded street in a canoe in Mexico. Photo: REUTERS/Manuel Lopez



## Investing in the Next Generation: 90 Research & Action Projects Selected for Funding in 40 Countries

Launched in 2003 and repeated in 2005 and 2007, the Research & Action Grants Program funds innovative projects to reduce disaster risks in developing countries that are proposed and implemented by researchers and practitioners under 35 and guided by mentors. The Program aims both to support research and action at the local level and encourage competent young professionals to gain experience and possibly start a career in disaster risk reduction.

Following Provention's call for proposals earlier this year, 261 applications for Research & Action Grants were received. A panel of international experts reviewed all suggested project ideas and 90 small grants were attributed to the most deserving projects in 40 countries in October 2007. For this third round of the Program, projects include for instance:

- ▶ How To Help Children After an Earthquake - Guidelines For Kindergarten Teachers (Iran)
- ▶ Assessing Drought and Enabling Adaptation through Rain Water Harvesting (Sri Lanka)
- ▶ Urban Planning Analysis of Vargas State Reconstruction (Venezuela)
- ▶ The GIRRL Project- Girls in Risk Reduction Leadership (South Africa)
- ▶ People-centered Early Warning Mechanisms for Flash Floods (Bangladesh)
- ▶ Adaptation of a Vulnerability Monitoring Instrument for Hospitals (Colombia)
- ▶ Role of Traditional Leaders in Post Conflict and Recovery settings (Uganda)
- ▶ Landslide Risk Assessment in the Mailuu-Suu Valley (Kyrzyg Republic)

- ▶ Identifying Risk Reduction Practices Adopted by Disaster Affected Small Businesses (India)
- ▶ Reducing Community Risk against Climate Change Disasters in the Pacific
- ▶ Proactive Fire Risk Reduction in Nigerian Markets.

Over the course of one year, selected young researchers and practitioners will seek ways to cut across professional disciplines and to exchange knowledge and engage stakeholders from scientific and academic, civilian, public and private sectors. Their research findings will be disseminated both locally and globally at the end of 2008.

The Grants Program is currently administered in association with the University of Wisconsin Disaster Management Center and regional partners: Asian Disaster Preparedness Center, University of Cape Town Disaster Mitigation for Sustainable Livelihoods Programme, the Latin American Social Science Faculty Secretariat General, and Bogaziçi University Center for Disaster Management. Provention and its Program partners would like to thank all applicants for their participation and warmly congratulate selected teams! Emerging risk researchers are critical for promoting risk reduction and building resilience in disaster-prone regions and we wish both successful and unlucky candidates the best of success in their future risk reduction endeavors.

For more information about the Program and related publications, please visit [www.proventionconsortium.org/research\\_and\\_action\\_grants](http://www.proventionconsortium.org/research_and_action_grants). All projects selected to date are listed at [www.proventionconsortium.org/grant\\_projects](http://www.proventionconsortium.org/grant_projects). ■

## Development of a Community Disaster Resilience Fund

Provention is collaborating with several partners to explore the development of a Community Disaster Resilience Fund (CDRF) as a grant-based resource channel to support community-based organizations, local governments, and grassroots organizations to initiate disaster risk reduction initiatives in their own communities. The intent is to complement recent efforts to strengthen funding streams to international organizations and national governments with a multi-stakeholder fund that would help connect international donor interest and local community initiative. In addition to grants, the fund will also focus on providing opportunities and tools for lateral sharing among community organizations.

Provention is currently developing a series of feasibility studies to ground and refine the concept. In addition a pilot for the CDRF is also planned with partners in India under the umbrella of the new National Alliance for Disaster Risk Reduction that was recently established there. ■



## PHREEway Consultation: Disaster Risk Reduction and Humanitarian Action in Africa

ProVentioN is supporting the establishment of the PHREEway (Partners for Humanitarian and Risk Education Expansion) initiative, with an initial focus on Africa. PHREE-Way is a global action-learning consortium of organizations working together to expand education and strengthen capacity for disaster risk reduction and humanitarian action towards sustainable development and human security. The founding and initial members include international non-governmental organizations (INGOs), research and training support organizations, and universities.

In order to explore collaboration opportunities in Africa, a PHREEway consultation was convened on 28-29 August in Johannesburg. Africa's "historic" disaster risk profile, characterized by prolonged humanitarian crises, recurrent droughts and exposure to extreme weather events, is now compounded both by rapid urban growth in many parts of the continent along with increasing climate variability. While international assistance and support by international nongovernmental partners is essential for preventing and alleviating hardship in many of the continent's most at-risk countries and communities, there is a rising call for greater internal responsibility for risk reduction within African countries. In this context, there is an increasing demand for the continent's institutions of higher learning and large NGOs to systematically strengthen human capacity in humanitarian and disaster risk-related teaching, training, research and practice.

The consultation gave rise to animated discussions between representatives of international NGOs, who are often tasked to



Participants to the PHREEway consultation, August 2007.  
Photo: ProVentioN/IFRC

provide services in highly disaster-prone areas and among vulnerable populations and academics from ten African universities who are developing new professional programs in disaster risk-associated disciplines. All those attending (including the IFRC, USAID/OFDA, ICSU, IDS, ProVentioN and ISDR-Africa) are committed to capacity-building related to disaster risk management in different organizational contexts, sub-regions of Africa, sectors, disciplines and/or risk conditions. The consultation generated ideas for collaborative action to strengthen teaching and training capacity in Africa, which a small working group will further develop.

For more information on the Johannesburg consultation, please visit the PHREEway website: [www.phree-way.org/projects/consultation-drr-aug07](http://www.phree-way.org/projects/consultation-drr-aug07).

## Training and Learning Circles for Trainers and Facilitators in Asia

In collaboration with the UNDP South-South Collaboration Office in Bangkok, ProVentioN is providing support to this innovative learning initiative in South and Southeast Asia aimed at the creation of a network of disaster risk reduction trainers and facilitators. Promoting exclusively South-South cooperation, particular attention is paid in a first phase to training and learning on community-based disaster risk reduction and management. The main aim of the Training and Learning Circles is to enhance the quality of the current community based disaster risk reduction training materials, methods and techniques through increased exchange and joint development of training resources.

The All India Disaster Mitigation Institute (AIDMI) is responsible for developing these circles in South Asia; the Center for Disaster Preparedness (CDP) in the Philippines is leading the project with training institutes in Southeast Asia. The Asian Disaster Preparedness Center (ADPC) in Bangkok is the regional lead and focal point for organizing regional workshops and mobilizing experts' inputs.

A first meeting cum training is planned in Manila from 11 to 14 December in collaboration with the United Nations Capacity for Disaster Reduction Initiative (CADRI). The aim of the meeting is to train AIDMI and CDP on how to map all key community-based disaster risk management agencies in their countries and the region. Around 20 participants will take part in this workshop coming from India, Sri Lanka, Philippines, Indonesia and the Maldives. This exercise will provide baseline information on CBDRM training in the region and will promote enhanced interaction and cross-fertilization between CBDRM practitioners and organizations. The results of the mapping work will inform the start-up of the TLC in the three initial target countries in 2008 For more information on the TLC initiative, see: [www.proventionconsortium.org/?pageid=32&projectid=32](http://www.proventionconsortium.org/?pageid=32&projectid=32)

Lorna Victoria and Mayfourth Luneta from the Center for Disaster Preparedness (TLC partner) presented an early warning tool used by rural communities in the Philippines at the ProVentioN Forum in Dar es Salaam in February 2007.  
Photo: ProVentioN/IFRC





## The Economic Rationale for Disaster Risk Reduction: Cost-Benefit Analysis

As part of its efforts to mainstream disaster risk reduction (DRR) into development, ProVention is supporting the development and the promotion of tools related to cost-benefit analysis for DRR. A workshop took place back-to-back with the Seventh IIASA-DPRI Forum on Integrated Disaster Risk Management, which was held from September 19-21, 2007 in Stresa and brought together 25 participants, working on or having a strong interest in Cost-Benefit Analysis (CBA) related to disaster risk reduction, coming from International Finance Institutions, bilateral donor agencies, the academic world, civil society organizations, the climate change community and UN/ISDR. The meeting was a follow-up event to an earlier gathering on the topic organized by ProVention during the ISDR Global Platform on Disaster Risk Reduction on June 6, 2007.



Paul Venton  
presenting at the  
Stresa meeting.  
Photo:  
ProVention/IFRC

The main objectives of the workshop were to:

- ▶ Discuss the state of the art and talk through the relevant issues around CBA for DRR in the developing country context (relevance, potential, challenges, and technical issues).
- ▶ Facilitate the development of a CBA for DRR network/ community of practice amongst different constituencies to allow a continued dialogue on this topic.
- ▶ Explore priorities for the way forward and agree to actions for improved coordination and information sharing among the ongoing initiatives and partners.

An important outcome of the meeting was the creation of a webpage which contains an overview of CBA for DRR resources. The webpage is comprised of three sections: tools and methodologies, worked examples and on-going projects on the use of CBA in the appraisal of DRR investments. It can be accessed at: [www.proventionconsortium.org/CBA](http://www.proventionconsortium.org/CBA)

ProVention also created a listserv to facilitate the dialogue on DRR/CBA issues. The list includes the participants to the Stresa meeting, as well as a number of other stakeholders who have expressed interest in the topic. If you would like to be included on this listserv, please send a message to: [provention@ifrc.org](mailto:provention@ifrc.org)

## 2008 Annual Forum moves to Latin America

The role of ProVention as a forum for open policy dialogue and frank debate on disaster risk issues has been highlighted consistently by partners as a primary value of the Consortium. Seeking to emphasize this aspect, in 2005 ProVention initiated an Annual ProVention Forum for Consortium partners and invited participants to meet and dialogue on risk issues, address critical priorities in disaster risk management and catalyze new ideas and collaborative initiatives to help drive the global agenda on disaster reduction.

The Annual Forum seeks to engage new partners in the disaster risk reduction (DRR) dialogue and provide food for thought on how to affect change related to managing disaster risk at global, regional, national, local, and grassroots levels. Past Forums and their themes have included: *“Development as a Natural Hazard Risk Management Tool”* (April 2005, Washington DC); *“Incentives for Risk Reduction”* (February 2006, Bangkok, Thailand); and *“Making Disaster Risk Reduction Work: Building Safer Communities in Africa and Worldwide”* (February 2007 Dar es Salaam, Tanzania).

The 2008 Annual Forum will take place in Panamá from April 8-10, 2008. The theme of the Forum will focus on linking local perspectives to national and global decision making and driving



A resident walks in the rain, as Hurricane Dean passes close to Jamaica, in Kingston. Photo: REUTERS/Carlos Barria

change from the bottom up. It will be organized in partnership with the IFRC Zonal Office in Panamá, and engage a number of ProVention partners and DRR stakeholders. As with past ProVention Forums, the Panamá event will foster cross-disciplinary

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and cross-regional linkages and learning by bringing Provention partners and relevant stakeholders together from around the globe. In addition, the Annual Forum is expected to produce recommendations for government authorities and international actors on how to support bottom up change related to DRR, and to inform the strategic direction and work plan development of the Provention Secretariat for 2009 and beyond.

Potential sub-themes of the Panamá event include:

- ▶ Upscaling grassroots efforts: opportunities and challenges
- ▶ The role and power of women and indigenous groups in managing disaster risk
- ▶ Engaging youth as Disaster Risk Reduction champions
- ▶ The urbanization of disaster risk

- ▶ Local governance and disaster risk reduction
- ▶ Climate change adaptation from a community perspective
- ▶ Integrating community perspectives and priorities in national level decision making.

As with the last Annual Forum organized in Africa, Provention will also support three smaller, sub-regional forums leading up to the Panama event that will focus on topics related to the overall theme. The lead-up forums are being planned with partners in Port of Spain, Trinidad (to focus on climate change adaptation from a community perspective), Bogotá, Colombia (to focus on urban risk) and Antigua, Guatemala (to focus on the role of women and indigenous groups in managing disaster risk). The sub-regional forums will feed into the Annual Forum sessions and provide a regional perspective in the global event. ■

## Linking up with the Climate Change Agenda

From 26 to 28 June 2007, the Red Cross/Red Crescent Climate Centre organized an international work conference on the humanitarian consequences of climate change in The Hague (Netherlands), which was supported by Provention. There were 80 participants: National Red Cross/Red Crescent Societies from developing countries taking part in the *Preparedness for Climate Change Programme*, Partner National Societies (from industrialized countries) and Federation delegates from around the world, and, for the open part of the conference, representatives from other NGOs and international organizations working on climate change. A total of 40 National Red Cross Societies were present, most of them from developing countries.

The conference aimed at:

- ▶ Facilitating efforts by Red Cross/Red Crescent National Societies to integrate climate change related risks in their planning and programs;
- ▶ Sharing first experiences emerging from the IFRC *Preparedness for Climate Change* program;
- ▶ Discussing common issues like understanding the risks of climate change and raising awareness about these risks; integrating climate change risks in the *Vulnerability and Capacity Assessment methodology* developed by IFRC and community based disaster risk reduction programs;
- ▶ Contributing to a Red Cross/Red Crescent Climate Guide, for use by all National Societies and other interested partners.

Following the conference, the Red Cross/Red Crescent Climate Guide was finalized and launched at the IFRC General Assembly on November 21. The guide can be downloaded from: [www.proventionconsortium.org/themes/default/pdfs/RCRC](http://www.proventionconsortium.org/themes/default/pdfs/RCRC)



A youngster talks on a payphone from a boat in a flooded street in Villahermosa, Mexico.

Photo: REUTERS/Odaliz Anaya

[climateguide.pdf](#). A video entitled “Climate Change: turning the tide”, which highlights the need to integrate climate concerns more effectively into humanitarian and disaster risk reduction work was also shown at the launch of the [Global Humanitarian Forum](#) on October 17 and at the [30th International Conference of the Red Cross and Red Crescent](#) on November 26.

In early December, the Provention Secretariat and several Provention partners will participate in the [COP 13 Climate Meeting in Bali](#), Indonesia. Presentations will be given during the *Development and Climate Days*, organized by International Institute for Environment and Development (IIED), on participatory disaster risk assessment and its relevance for the climate adaptation community as well as on ways to integrate climate concerns more effectively in urban risk reduction. ■



## Multi-hazard Risk Assessment and Climate Change Adaptation

Progress is continuing in the development of two Provention supported projects being led by the World Bank in Madagascar and the Philippines to establish a solid base of multi-hazard risk identification in each country as a foundation for the further development of risk management frameworks and strategies.

In Madagascar, initial work on cyclone modeling has been completed. Two experts from IIASA visited Madagascar in July to help test preliminary financial risk models that have been developed based on the CatSim tool and give a workshop to explain the tool's application to risk financial modeling — including the potential development of contingency funding. The workshop generated strong enthusiasm and there is now a group at the Ministry of Financing working on a proposal for the World Bank Global Facility for Disaster Reduction and Recovery (Track II) to help develop contingency funding and apply a more robust CatSim model to financial risk modelling across the country's macro-economic planning.

In the Philippines there have been two team consultations with the government, the World Bank country team and expert consultants to plan out the project activities. Based on the results of these consultations, the project scope has been further focused on climate scenario modeling in 2 regions to look in particular on impacts across the rice production industry.

More details are available on the project web pages on the Provention website under

- ▶ [Multi-hazard risk assessment for disaster risk reduction and financing in Madagascar](#)
- ▶ [Production Sector Climate Risk Analysis in the Philippines](#)

## Catastrophe Risk Management Initiative in Bulgaria

Building on the experience from the Turkish Catastrophe Insurance Pool (TCIP), Provention is collaborating with the World Bank to support the development of a national catastrophe insurance pool, reduce the seismic vulnerability of housing stock to earthquakes, limit the government fiscal exposure to the impact of natural hazards, and strengthen risk awareness at the national level.

The project is starting with consultations with the local insurance industry, central and local governments and civil society on the type of insurance coverage sought by homeowners and SMEs, analysis of the existing catastrophe risk covers in the market, and actuarial analysis of the available loss data. More details are available on the project web page at [www.proventionconsortium.org/?pageid=32&projectid=31](http://www.proventionconsortium.org/?pageid=32&projectid=31)

## Urban Risk Activities

Building on interest at the ISDR Global Platform in the potential establishment of a Global Forum on Urban Risk Reduction, Provention has been working to strengthen its reach to urban risk actors, especially local governments and civil society organizations, on a number of related fronts:

- ▶ Urban risk will be one of the topics for the preliminary regional fora in lead up to the Provention annual forum planned for Panama in April 2008.
- ▶ In the meantime Provention has also been working to strengthen ties with local government organizations, including UCLG, ICLEI, Metropolis and CITYNET. The Provention Secretariat presented in a session on Disaster Risk Management at the UCLG World Congress in October 2007 in Jeju, Korea.
- ▶ Provention is also working with IIED and a number of other partners to highlight the links between urban risk, disaster risk reduction, and climate adaptation at the upcoming COP13 meeting in Bali in December 2007.
- ▶ In addition planning discussions have started with UN Habitat and the Huairou Commission for a pre-event at the World Urban Forum to be held in Nanjing, China in October 2008.

## Micro-insurance Conference

In mid-November the Munich Re Foundation hosted its third Microinsurance Conference in Mumbai, India. The conference had 300 participants from around the world and included a number of sessions on the use of microinsurance for disaster risk as well broader discussion of microinsurance for life, health, and property coverage. The location of the conference in India allowed for broad participation of representatives from organizations and the Government of India to highlight lessons from recent efforts in India to use insurance regulation to encourage the extension of insurance coverage to poor communities.

To highlight Provention's interests and activities in this field, Deepesh Sinha from AIDMI presented experience from the *Afat Vimo* insurance scheme that AIDMI has piloted with Provention support in India. Ian O'Donnell from the Provention Secretariat also outlined highlights from the Disaster Insurance for the Poor study undertaken with IIASA and ongoing plans for a multi-partner evaluation together with AIDMI and IIASA to better understand client impacts as well as the business and regulatory models under which existing schemes are working.

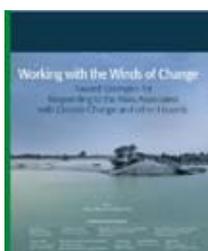
At the conference there was definitely growing interest in micro-insurance for disaster risks, particularly through index-based crop insurance. Munich Re also presented an interesting indemnity-based disaster microinsurance program that they have initiated in Colombia with the insurer Suramericana and Women's World Banking Bucaramanga. For more details about the presentations and other sessions at the conference, see the [conference agenda](#) (which includes links to the presentations).

## New Resources on the ProVention Website

- ▶ The CBA resource page ([www.proventionconsortium.org/CBA](http://www.proventionconsortium.org/CBA)) is a collection of resources on the use of cost-benefit analysis in the appraisal of disaster risk reduction investments, including tools and methodologies, worked examples, descriptions of on-going projects, and a listing of organizations with particular expertise in this area.
- ▶ The M&E sourcebook ([www.proventionconsortium.org/M&E\\_sourcebook](http://www.proventionconsortium.org/M&E_sourcebook)) has been developed as a complement to the “Tools for Mainstreaming Disaster Risk Reduction” publication. This web-based sourcebook is a guide to issues of monitoring and evaluation (M&E) of disaster risk reduction programs and projects. It contains many practical examples of M&E, as well as links to useful reference material on-line and a bibliography of off-line publications.

## Publications

Key resources published or supported by ProVention over the past months include:



### **Working with the Winds of Change. Towards Strategies for Responding to the Risks Associated with Climate Change and other Hazards**

*Published by ISET*

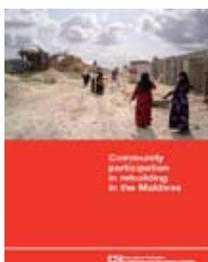
Released in November 2007, this publication will be presented at the Conference of Parties 13 meeting in Bali on December 8. It provides initial insights from an ongoing disaster risk reduction and adaptation to climate change initiative in South Asia. [[Download document](#)]



### **Red Cross/Red Crescent Climate Guide**

*Published by the International Federation of Red Cross and Red Crescent Societies*

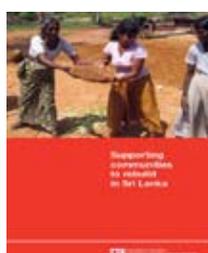
The Red Cross/Red Crescent Climate Guide presents five years of experiences from more than 30 Red Cross and Red Crescent National Societies, in particular in developing countries. It relates the experiences of Red Cross/Red Crescent staff and volunteers all around the world trying to understand and address the risks of climate change. [[Download document](#)]



### **Community participation in rebuilding in the Maldives**

*Published by the International Federation of Red Cross and Red Crescent Societies*

In the context of rebuilding homes in the Maldives, this document describes the Community Involvement Plan developed with the government to promote better two-way communication between the communities concerned and the International Federation and to provide opportunities for meaningful and active community involvement in the project. The plan introduced a variety of simple and practical initiatives to address community concerns and questions about the housing project as it evolved, while cementing budding relationships among all those involved in the project. [[Download document](#)]



### **Supporting communities to rebuild in Sri Lanka**

*Published by the International Federation of Red Cross and Red Crescent Societies*

The Sri Lanka Red Cross Society, in partnership with the Spanish Red Cross, carried out an integrated community resettlement program, which aimed to improve 93 selected families' living conditions by providing them each with a decent house in a reasonably developed urban community. While the initial focus was on housing, supporting tsunami survivors in regaining or establishing livelihoods was part of the broader strategy. [[Download document](#)]



### **Rebuilding after Hurricane Mitch: Housing reconstruction in Honduras and Nicaragua**

*Published by the International Federation of Red Cross and Red Crescent Societies*

This case study looks back at a settlement construction project the Canadian Red Cross undertook with the United Nations Development Programme (UNDP) in Nicaragua and the International Organization for Migration (IOM) in Honduras and draws lessons for future disaster recovery and reconstruction operations. [[Download document](#)]



**Slow-onset disasters: drought and food and livelihoods insecurity – Learning from previous relief and recovery responses (ProVention Consortium / ALNAP)**

*By Kerren Hedlund*

To better prepare decision-makers in humanitarian organizations, national and local governments, and NGOs and community organizations, ProVention and ALNAP have developed a paper on lessons learned from previous relief and recovery activities in slow onset disaster and drought situations. The paper looks in particular at programs addressing food and livelihood insecurity and is based on a review of more than 100 evaluations and other resource documents. This work builds on the earlier set of lessons learned papers on relief and recovery that ALNAP and ProVention developed after the South Asia Earthquake in Kashmir in October 2005. [[Download document](#)]



**Investigating urban risk accumulation in six countries in Africa (ProVention Consortium)**

*Compiled by Mark Pelling with contribution by David Satterthwaite*

This publication introduces the topic of urban risk in Africa and highlights six projects on urban risk accumulation under the umbrella of the African Urban Risk Analysis Network (AURAN) in Accra, Algiers, Cape Town, Dar es Salaam, Nairobi and Saint Louis (Senegal), an initiative supported by the United Nations Development Programme and the ProVention Consortium, in collaboration with the International Institute for Environmental Development and the University of Cape Town Disaster Mitigation for Sustainable Livelihoods Programme. [[Download document](#)]



**Young Researcher Project Briefs - Applied Research Grants Program — Rounds I & II (2003-2006)**

*Edited by Risk Red, published by ProVention*

This publication presents a selection of 43 projects undertaken by young researchers and practitioners between 2003 and 2007 worldwide. [[Download document](#)]



**Applied Research Grants Program for Disaster Reduction — Rounds I & II (2003-2006) - Asia**

*Published by ADPC*

The Consortium launched a Program of Applied Grants for Disaster Risk Reduction in 2002 and a second Program in 2005. A selection of 15 projects from East Asia & the Pacific and South Asia are presented in this publication. [[Download document](#)]

**Applied Research Grants for Disaster Reduction II**

*Published by the University of Wisconsin Disaster Management Center*

The Consortium launched a Program of Applied Grants for Disaster Risk Reduction in 2002 and a second Program in 2005. Round two projects from Latin America & the Caribbean [[Download document](#)] and from Europe & Central Asia [[Download document](#)] are presented in these Compendia.

ProVention publications are available for download at [www.proventionconsortium.org/publications](http://www.proventionconsortium.org/publications) and also as collection of publications and resources on a new ProVention CD-Rom. ■