



Strategy „Protection against Natural Hazards in Switzerland“

Project D 5

Disaster Risk Reduction (DRR) and Climate Change Adaptation (CCA) in International Cooperation

A Landscape of Swiss Expertise



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
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Swiss Confederation

Nationale Plattform Naturgefahren PLANAT
Plate-forme nationale «Dangers naturels»
Piattaforma nazionale «Pericoli naturali»
National Platform for Natural Hazards

Version 1.0
May 2013



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Plate-forme nationale "Dangers naturels"
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National Platform for Natural Hazards

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Disaster Risk Reduction (DRR) and Climate Change Adaptation (CCA) in International Cooperation

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Commissioned by the PLANAT Working Group International Exchange.
Consultant: Oliver Zenklusen. Maps: Nicolas Füllemann. Translation: Susan Cox.

"Preventing and overcoming crises, conflicts and catastrophes" has become a strategic priority of Switzerland's International Cooperation.¹ In light of this, PLANAT was commissioned to provide an overview of Swiss expertise in the area of Disaster Risk Reduction (DRR) and Climate Change Adaptation (CCA). The primary objective of this landscape study was to identify institutions that could contribute to putting the aforementioned strategy into practice.

This briefing report outlines key findings of the PLANAT Landscape Study. The list and profiles of the institutions illustrate the diversity of Swiss expertise in the fields of DRR and CCA; a map of the world shows where this expertise is applied in the context of international cooperation.²

1. Diverse institutions, diverse expertise

Overall, an estimated 100-200 Swiss-based institutions offer DRR/CCA-related expertise in international cooperation. This corresponds to several hundred, possibly as many as 1000 experts. Detailed information is currently available on around 45 institutions. The profiles in the appendix illustrate a wide diversity of disciplinary backgrounds and specialties, approaches, areas of work, levels of intervention, and targeted beneficiaries.

Historically, DRR and CCA approaches evolved from both humanitarian aid and from long-term development programmes. This is still reflected in the institutional landscape. However, a large part of the relevant activities are not labelled as DRR or CCA; they can be fully integrated into projects focusing on rural development, food security, water and sanitation, microinsurance or reconstruction. In general, international cooperation activities tend to address DRR and CCA jointly and using the same tools.

The landscape of institutions can be divided in five groups as follows:

Government institutions: while the State Secretariat for Economic Affairs (SECO) is involved in a number of partnerships with multilateral institutions and the private sector, the Swiss Agency for Cooperation and Development (SDC) is the leading Swiss government body with regard to the implementation of international cooperation strategies in the fields of DRR and CCA. The SDC is also the key financial partner for many of the Swiss institutions working in these areas. Other government institutions may contribute expertise to international activities coordinated by the SDC, such as the Federal Office for the Environment (FOEN), the Federal Office for Civil Protection (FOCP) and MeteoSwiss, the Federal Office of Meteorology and Climatology.

Project examples:

* *The FOEN coordinates a Sino-Swiss cooperation in the fields of water management and disaster mitigation. This includes knowledge sharing on integrative risk management, runoff forecasting and flood warning systems with the SDC and partners from universities and consultancies.*

¹ Swiss Federal Council: "Message on International Cooperation 2013 – 2016". Approved by Parliament in Autumn 2012 (www.deza.admin.ch/en/Dossiers/Message_2013_2016).

² Scope: in its current version the study does not cover the multilateral organisations headquartered in Switzerland, activities in industrialised countries, activities relating to climate change other than CCA (mitigation, emissions reduction etc. are not included), activities in the fields of technical and man-made risks (industry, social conflicts) and focusing on health and nutrition issues (epidemics, food security).

* *CATCOS: Capacity Building and Twinning for Climate Observing Systems. Financed by the SDC and coordinated by MeteoSwiss, this project is implemented in various countries and with partners including the Empa, PSI, University of Zurich, University of Fribourg.*

Universities and research institutes: most Swiss universities work in the areas of natural hazards and climate change, with expertise concentrated in the earth sciences and engineering disciplines. Activities relating to developing countries primarily involve applied research and various forms of knowledge transfer, generally in collaboration with Swiss NGOs, local universities and public sector partners. To some extent, these activities are institutionalised in the form of research groups or centres of excellence. In addition, a large number of short-term projects, such as PhD projects, are implemented by individuals. In both cases specifically earmarked funding is a key driver for the international cooperation activities of universities.

Project examples:

* *CODEV at the EPF Lausanne offers a Certificate of Advanced Studies in Disaster Risk Reduction (CDRR). Participants, from both the North and South, include professionals from the fields of risk reduction and international cooperation.*

* *PACC: a CCA programme implemented with Peruvian government bodies and NGOs and coordinated by Helvetas. A team at the University of Zurich (Department of Geography) leads the scientific consortium that collaborates with scientific partners in Peru.*

NGOs: institutions fully devoted to international cooperation approach DRR and CCA from different perspectives, from post-disaster reconstruction to the integration of DRR and CCA into long-term rural development programmes. A key ingredient of current NGO strategies is "mainstreaming": i.e. the formal integration of DRR and CCA as cross-cutting issues into all programmes and projects. Larger NGOs build up their own teams of experts at both their headquarters and country offices (e.g. Helvetas, Caritas and Swiss Red Cross), while, in small organisations, part-time experts coordinate internal and external capacities. Drawing on their expertise and networks in Switzerland and in various countries, NGOs are key partners for the implementation of Swiss international cooperation strategies. Many of them are financed to a large extent by the SDC. NGOs are also involved in applied research projects and, to some degree, in partnerships with the private sector and in national and international policy dialogue.

Project examples:

* *LEARN: Local Emergency Assessment Response Network. A capacity-building approach piloted by HEKS, initially in Indonesia with NGO partners. Local experts trained as LEARN members respond in the case of disasters and facilitate the work of regional and national emergency services.*

* *CCA approaches in rural development may relate to all links in the agriculture supply chain, including water management and irrigation, weather information, cultivation methods, diversification of crops, grain banks and other storage facilities, and preparedness for extreme events.*

Consultancies: this category summarises a wide range of institutions, ranging from individual consultants, who are highly specialised in technical aspects of DRR, to larger multidisciplinary consultancy firms with the occasional contract in developing countries. Swiss consultants offer expertise on every conceivable issue relating to DRR and CCA; many are engineers, geologists and architects. They are generally hired for short to medium-term assignments and provide complementary expertise and external perspectives (for example, in the context of evaluations). However, consultants may also provide long-term and strategic support to government institutions and NGOs. Some consultancies have just one client (e.g. the SDC or SHA) while others work for

on a variety of international assignments, e.g. for the World Bank, GIZ, UN organisations and universities.

Project examples:

** Institutional capacity-building for emergency services; shelter design; feasibility studies, business plans, and cost-benefit analyses; risk assessment and earthquake engineering for key infrastructure; microinsurance product development; DRR in reconstruction: planning and implementation, handbooks, capacity building; community-based flood management, risk-proofing of water supply systems.*

Insurers: Swiss-based institutions in this category include Allianz Re and Swiss Re, both of which are reinsurers, and the Zurich Insurance Group, a primary insurer. Based on the hypothesis that insurance could boost the resilience of households and countries with regard to natural disasters, the SDC, the SECO and NGOs sometimes collaborate with insurers in PPPs. Key approaches include microinsurance, which, with the exception of the area of agricultural insurance, is still rarely available for natural disaster risks. In contrast, macro approaches are being widely tested as disaster risk financing tools at government level, e.g. for earthquake and hurricane risks. In addition, insurers make their leading expertise in the field of natural disaster risk modelling and climate change science available to the international cooperation community and in concrete projects.

Project examples:

** RIICE: "Remote sensing-based Information and Insurance for Crops in Emerging economies". Aims to monitor the growth of rice, a key crop in Asian countries, as a basis for disaster response and crop insurance. A PPP between Allianz Re, SDC, GIZ, IRRI and sarmap.*

** Zurich Insurance Group: Global Flood Resilience Program. Announced in 2013 as an alliance with the IFRC, this DRR initiative aims at innovation and impacts from community to national levels and involves a variety of partners. The first country programme was launched in Mexico.*

2. DRR, CCA and the Hyogo Framework for Action

The table below shows the characteristic focus of different institutions in terms of the priorities outlined in the Hyogo Framework for Action (HFA). Obviously, most individual institutions deviate from this simplified pattern – and many approaches to dealing with natural hazards and climate change in development do not fit into this framework. Dark grey indicates a concentration of activities or expertise; the areas marked in light grey are priorities for few institutions.

Actors	Government institutions	Universities and research institutions	NGOs	Consultancies	Insurers
HFA Priority Actions					
1. Ensure that disaster risk reduction is a national and a local priority with a strong institutional basis for implementation.					
2. Identify, assess and monitor disaster risks and enhance early warning.					
3. Use knowledge, innovation and education to build a culture of safety and resilience at all levels.					
4. Reduce the underlying risk factors.					
5. Strengthen disaster preparedness for effective response at all levels.					

3. Swiss Networks: sharing knowledge and facilitating collaboration

A variety of Swiss expert networks provide platforms for the sharing of expertise relating to DRR and CCA. A first group of thematic networks originates in the SDC and its partners:

- SHA (Swiss Humanitarian Aid Unit): expert group environment and disaster risk reduction, expert group construction.
- SDC DRR Network.
- SDC Climate Change and Environment Network.
- SDC Employment and Income Network (microinsurance).
- Swiss NGO DRR Platform.

A second group of networks has evolved in the academic environment. It involves universities, research institutes and additional partners:

- NCCR North-South (National Centre of Competence in Research North South): financed by the SNSF and SDC and institutionalised at the CDE (Centre for Development and Environment) at the University of Bern.
- NCCR Climate: analogous to NCCR North-South; institutionalised at the Oeschger Centre for Climate Change Research (University of Berne) and the Center for Climate Systems Modeling (C2SM, ETH Zurich).

- KFH-DC Development and Cooperation Office of the Rectors' Conference of the Swiss Universities of Applied Sciences (KFH); secretariat hosted by SUPSI.

Some networks collaborate formally and experts may participate in several networks. Moreover, there are close links between the practical networks (above) and the research-oriented networks.

4. International policy platforms

At the international level, two UN institutions and an annual conference on microinsurance provide the main platforms for policy dialogue and the sharing of ideas. These events, the hosting organisations and the working groups and networks that evolve around them define the state-of-the-art and established a common language at the international level.

1. The *UNFCCC* is the key point of reference for international climate policy dialogue, including CCA, and the FOEN is the leading government agency representing Switzerland at the climate conferences. Various Swiss institutions from all of the aforementioned groups are also involved in the IPCC.
2. Every second year, the *UN-ISDR* provides a global platform for DRR policy dialogue centred around the Hyogo Framework for Action HFA. The SDC is the official representative of Switzerland in this field. (The GRF holds the International Disaster and Risk Conference, IDRC, in Davos every second year.)
3. The annual *International Microinsurance Conference* may be considered the most relevant platform focusing on insurance market development in low-income markets and developing countries.

Switzerland has significant involvement in the different policy dialogues, however, by relatively few institutions. Many of the organisations that facilitate policy dialogue have their headquarters in Geneva, for example the IFRC, ISDR, GFDRR, WMO, and the ILO Microinsurance Innovation Facility.

5. Outlook

In summary, a wide diversity of Swiss expertise on DRR and CCA is available throughout the risk management cycle and at different institutional levels: i.e. from national emergency coordination and risk-conscious land-use planning, fire brigades and other emergency services to cantonal property insurers and cutting-edge climate research. These interests and practices have evolved from exposure to the hazards characteristic of mountain regions, a strong risk culture and a decentralised approach to dealing with risks and disasters. Sometimes the umbrella terms "Swiss approach to natural hazards management" and "Integrative Risk Management (IRM)" are used to summarise these various approaches – and for labelling a potentially valuable export product.

The scaling up of DRR and CCA activities in developing countries in terms of both quantity and quality would, however, involve a number of challenges:

1. Coordination and common state of the art. Even in a small country like Switzerland, CCA, DRR and related strategies have evolved into highly fragmented fields with their own specialist jargon. Genuinely integrative risk management approaches and the more sustainable deployment of resources could benefit from the better use of the available expertise, common standards and the stronger operational coordination of activities in the field.

2. Closing knowledge cycles from research to problem solving. Swiss research institutions have produced a wealth of relevant knowledge to date, which is internationally visible but remains underused in practice. On the other hand, projects in the field generate insights, which are rarely subject to systematic study and made available to a wider audience. Across institutions, informants express a need for better knowledge sharing but consider existing networks and conferences poor in terms of efficiency. This demand may translate into novel approaches to communicating research and evaluating projects. Further suggestions include dynamic knowledge management formats, such as Wikis, and closer collaboration across expert communities on concrete projects.

3. Mobilising available expertise and capacities. As indicated, there is a large pool of Swiss expertise on DRR and CCA that remains to be tapped into by international cooperation. Twinning models and militia systems are already well established as a means of transferring such expertise in developing country contexts. Moreover, it is proposed to innovate new ways of mobilising capacities outside of the international cooperation community, with the SDC, SECO and their partner organisations expanding their role as facilitators in the export of the "Swiss approach to natural hazards management".

Maps and Institution Profiles

List of Institutions

Key institutions with international expertise in the fields of DRR and CCA. The list is illustrative but not exhaustive. Suggestions for institutions to be included in the next version of the landscape study can be sent to the PLANAT secretariat: planat@bafu.admin.ch.

A world map of Swiss activities in DRR and CCA

Swiss institutions and DRR/CCA experts working in developing countries. The maps provide an overview of institutions and their focus countries for each continent.

Institution profiles

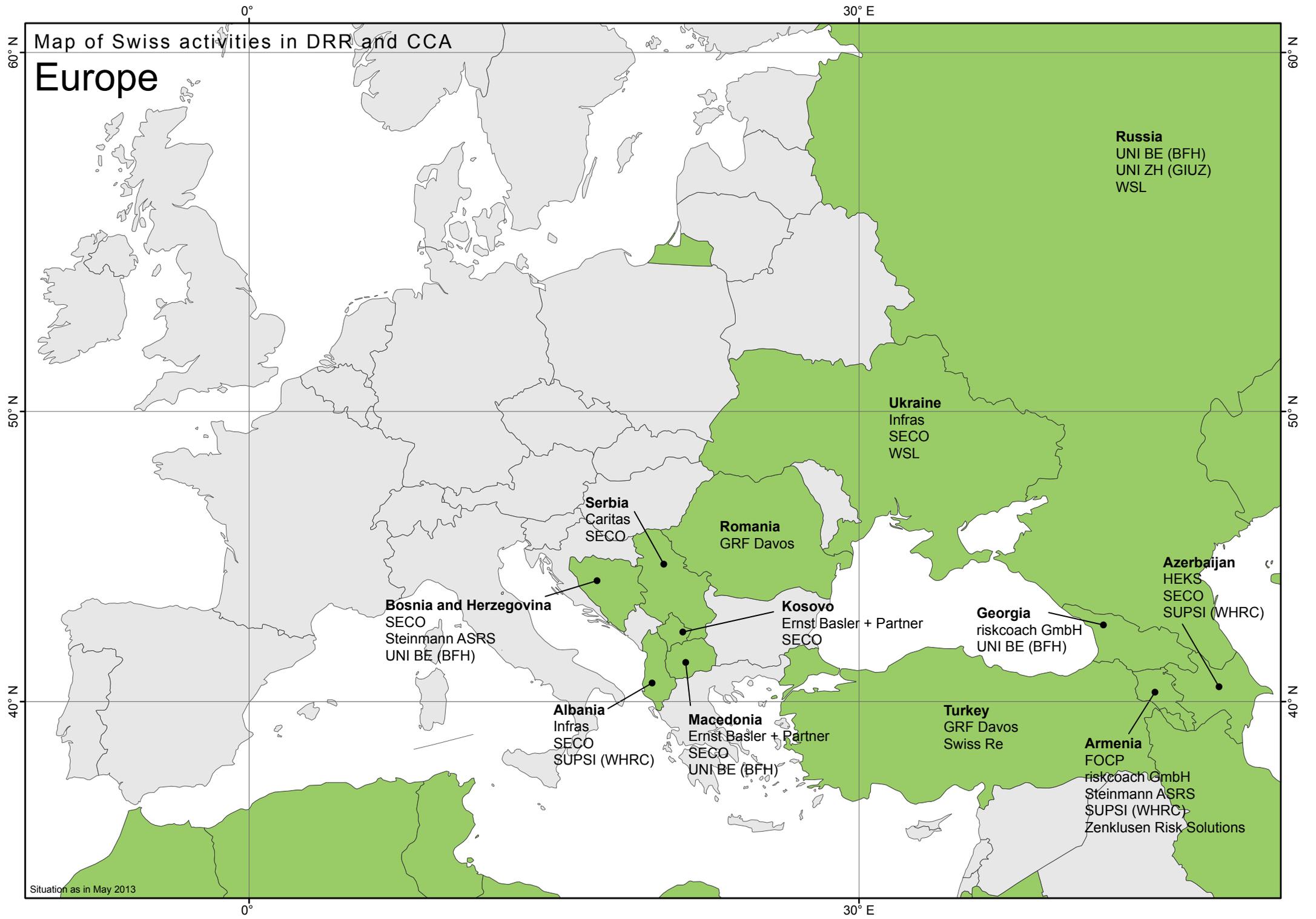
Brief summaries based on information supplied by the institutions. A key to the profiles is provided on the first page.

List of Institutions (without category)

Alliance Sud
Allianz Re
Basler & Hofmann AG
Bern University of Applied Sciences - Center for Development and Cooperation
Bread for all
Caritas
CSD Engineers
Eawag - Sandec
EPFL - CODEV
Ernst Basler + Partner
ETH Zurich - SED (Swiss Seismological Service)
ETH Zurich - AFEE (Agri-food & Agri-environmental Economics Group)
ETH Zurich - VAW (Laboratory of Hydraulics, Hydrology and Glaciology)
Flussbau AG
FOCP (Federal Office for Civil Protection)
FOEN (Federal Office for the Environment) - Hazard Prevention Division
Gaia Global SA
GEOTEST
Global Risk Forum (GRF), IDRC Davos
HEKS
HELVETAS Swiss Intercooperation
hydrosolutions GmbH
Infras
MeteoSwiss (Federal Office of Meteorology and Climatology)
NDR Consulting GmbH
riskcoach GmbH
SDC (Swiss Agency for Development and Cooperation)
SECO (State Secretariat for Economic Affairs)
SRK (Swiss Red Cross)
Steinmann Advice and Sustainable Risk Solutions
Stonestep GmbH
SUPSI - World Habitat Research Centre
Swiss Re - Global Partnerships
University of Bern - Centre for Development and Environment (CDE)
University of Bern - Oeschger Centre for Climate Change Research
University of Lausanne - Institute of Geomatics and Risk Analysis (IGAR)
University of St. Gallen - Institute of Insurance Economics (I.VW)
University of Basel - Geography/Urban and Regional Studies
University of Zurich (UNI ZH) - Department of Geography (GIUZ)
WSL (Swiss Federal Institute for Forest, Snow and Landscape Research)
Zenklusen Risk Solutions
Zurich Insurance Group

Map of Swiss activities in DRR and CCA

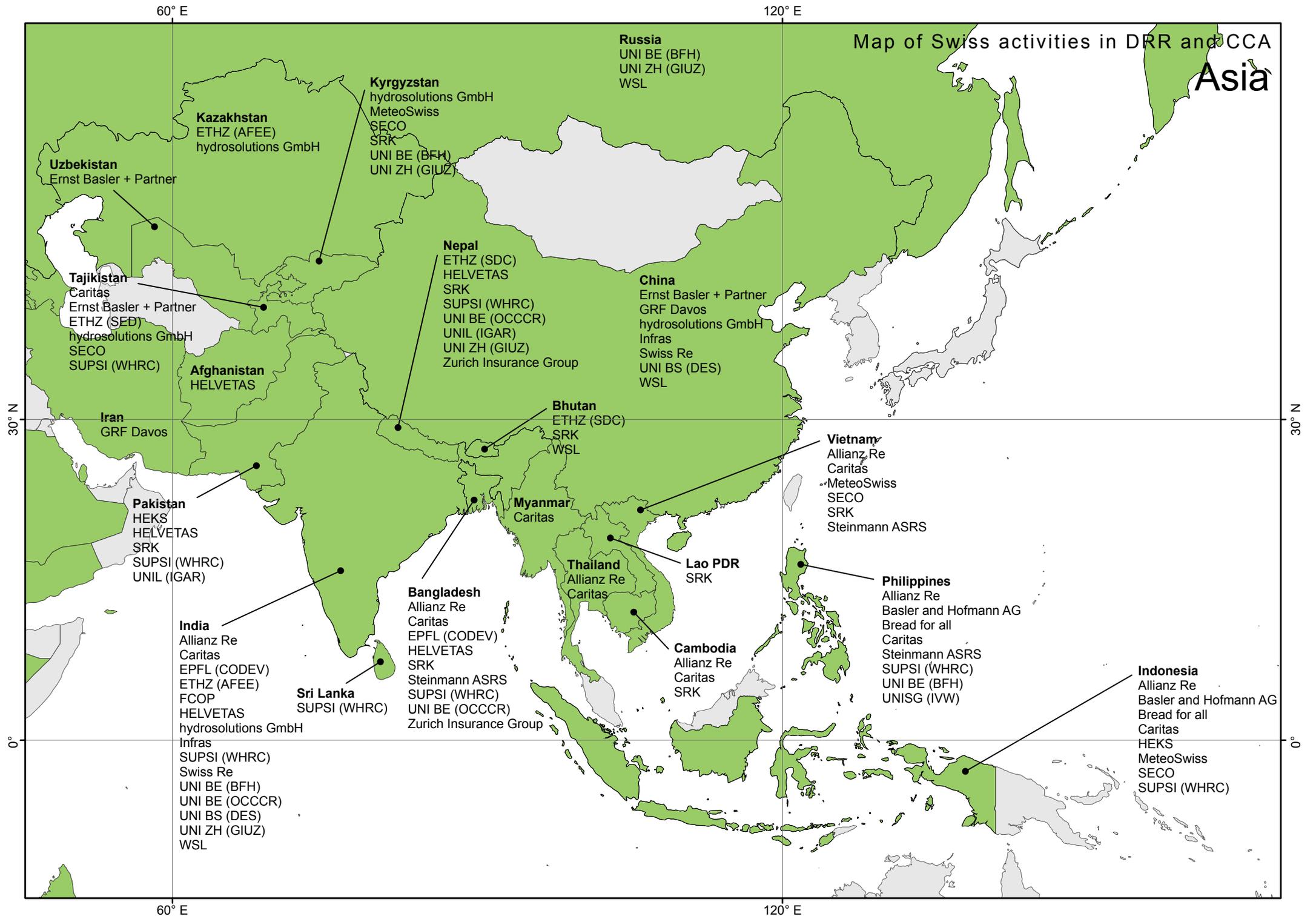
Europe



Situation as in May 2013



Map of Swiss activities in DRR and CCA Asia





Institution Profiles

Alliance Sud

Web	www.alliancesud.ch
Type	NGO
Contact	mail@alliancesud.ch

Short Description

Alliance Sud is a development-policy lobbying organisation which engages in Swiss policy and international policy dialogues. Its member organisations are the six leading Swiss development-aid NGOs: Swissaid, Swiss Catholic Lenten Fund, Bread for all, Helvetas (Swiss Intercooperation), Caritas, Heks (Swiss Interchurch Aid). One of Alliance Sud's core concerns is climate justice (others are trade, international finance, water, businesses and human rights etc.). The lobbying organisation is a (self-)critical voice on Switzerland's international cooperation and on other issues related to development policy.

DRR/CCA activities

- * Lobbying in the Swiss administration and political circles, participation in international policy dialogue (member of the Swiss delegation to the climate change conference in Doha, 2012), provision of basic documents, teaching material etc.
 - * "Alliance Sud advocates for the assumption by Switzerland (...) of responsibility for international climate policy. (...) In addition, Switzerland should assist poorer countries in adapting to the consequences of the climate warming, to which it has contributed" (Source: webseite (translation)).
 - * Other concerns: Additionality of funding for CCA to the budgets for "traditional" international cooperation; climate-friendliness of development projects; criticism of climate policy from a development perspective (e.g. agrofuels and nutrition issues).
-

Areas of activity (HFA)¹

- | | |
|---|----|
| 1. Policy dialogue, institutional development | ++ |
| 2. Risk identification and monitoring | |
| 3. Awareness-raising and education | + |
| 4. Risk reduction | |
| 5. Preparation for disaster events | |
-

Approaches	Awareness-raising, capacity building, policy dialogue
Project partners and target groups	<ul style="list-style-type: none">* Unlike the aid organisations, Alliance Sud does not implement any projects in the South. It lobbies and carries out public relations work on development-policy topics in Switzerland.* The target groups of Alliance Sud's work are Swiss actors who make policy or business-related decisions of relevance to developing countries. These also include (future) voters.
Countries/regions	Switzerland, international
Networks	Climate Action Network Europe, international climate policy

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:
empty: no activities in this field
+: some activities in this field
++: focus of the institution's DRR/CCA activities

Institution Profiles

Allianz Re

Web	www.allianzre.com										
Type	Insurance										
Contact	-										
Short Description	<p>Allianz Re is part of the German Allianz group and mainly does business with its primary insurers. The exception is the Zurich subsidiary in which, among others, the expert team for agricultural insurance is based, a sector in which Allianz Re's portfolios are comparable with the bigger re-insurers. The Allianz Group is involved in various micro-insurance programmes, which are managed from the Group's headquarters in Munich (not included here). The RIICE project is coordinated from Zurich.</p>										
DRR/CCA activities	<p>RIICE project: "Remote sensing-based Information and Insurance for Crops in Emerging Economies"</p> <p>* Insurance solution: Crop Failure Index product for small farmers (area yield, multi risk), provided by local primary insurers, operated through banks (including microbanks) and cooperatives, developed with Allianz Re. Initially only for rice, most important product in Asia from the perspective of food security and farm income.</p> <p>* Approach: crop estimate based on satellite data. The data are provided by various space agencies (including the ESA), processed by sarmap, evaluated by Allianz and made available under controlled conditions to various users via a Web GIS system.</p>										
Areas of activity (HFA) ¹	<table border="1"> <tr> <td>1. Policy dialogue, institutional development</td> <td>++</td> </tr> <tr> <td>2. Risk identification and monitoring</td> <td>++</td> </tr> <tr> <td>3. Awareness-raising and education</td> <td>+</td> </tr> <tr> <td>4. Risk reduction</td> <td>++</td> </tr> <tr> <td>5. Preparation for disaster events</td> <td>++</td> </tr> </table>	1. Policy dialogue, institutional development	++	2. Risk identification and monitoring	++	3. Awareness-raising and education	+	4. Risk reduction	++	5. Preparation for disaster events	++
1. Policy dialogue, institutional development	++										
2. Risk identification and monitoring	++										
3. Awareness-raising and education	+										
4. Risk reduction	++										
5. Preparation for disaster events	++										
Approaches	Insurance, capacity building, awareness-raising, policy dialogue										
Project partners and target groups	<p>The project participants are Allianz Re as insurer (plus local primary insurers later), SDC (finance, access to political circles in target countries), GIZ (capacity building, development of sales channels, access to political circles in target countries), IRRI (International Rice Research Institute) and sarmap (CH, data processing). Expected results of the project:</p> <p>* Protection for small rice farmers in the event of crop failure.</p> <p>* Basis for better state policies in the areas of food security, DRR, CCA.</p>										
Countries/regions	Bangladesh, Cambodia, India, Indonesia, The Philippines, Thailand, Vietnam (planned for first phase of the project; subsequent extension to other countries possible)										
Networks	Microinsurance Conference										

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:
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 +: some activities in this field
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Institution Profiles

Basler & Hofmann AG

Web	www.baslerhofmann.ch
Type	Consultancy
Contact	zuerich@baslerhofmann.ch

Short Description

Basler & Hofmann is one of the biggest Swiss engineering, planning and consultancy companies. The family-owned holding includes different offices in Switzerland, a company for economic consultancy and subsidiaries in Germany, Slovakia and Singapore. Areas of competency: buildings, infrastructure, environment, consultancy. In the area of natural hazards, thematic focuses include earthquakes and floods, in part in connection with technical risk analyses. Basler & Hofmann mostly works for customers in Switzerland and in industrialised countries abroad. In addition, it has been involved in sporadic DRR projects in newly industrialised and developing countries for around 40 years.

DRR/CCA activities

* Methodological approaches and competencies: integrative risk management, PLANAT guide (Planat Leitfaden). Hazard and risk analyses, process assessment and hazard maps, cost-benefit analyses of protective measures, risk communication.

* In international cooperation: transfer of experience from Switzerland to relevant countries/project contexts. Trend towards integrated DRR approaches (mainstreaming) within comprehensive and long-term programmes.

Examples of projects:

* Earthquake and hurricane-safe reconstruction of schools in Haiti (SDC).

* Testing of public buildings for earthquake safety (Chile, SDC).

* Evaluation und impact assessment of DRR projects in Central Asia (SDC).

Areas of activity (HFA)¹

1. Policy dialogue, institutional development	
2. Risk identification and monitoring	+
3. Awareness-raising and education	+
4. Risk reduction	++
5. Preparation for disaster events	+

Approaches **Capacity building, mainstreaming, targeted/technical DRR**

Project partners and target groups * Cooperation with the SDC, SHA and partner organisations in the relevant project countries: project supervision/backstopping, technical support, evaluations/impact assessments etc. Duration of interventions: one week to several months.

* Intervention level: community to region.

* Targeted: high visibility pilot projects which can be replicated or set standards (see example project construction of school buildings in Haiti).

Countries/regions **Chile, Haiti, Kenya, Philippines, Indonesia, South Africa, Central Asia**

Networks

* In Switzerland KOHS, FAN and other expert associations/networks.

* In relation to DRR/international: SHA and expert groups.

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:

empty: no activities in this field

+: some activities in this field

++: focus of the institution's DRR/CCA activities

Institution Profiles

Bern University of Applied Sciences BFH - Center for Development and Cooperation CDC

Web	www.ahb.bfh.ch/cdc
Type	Research and teaching
Contact	office.ahb@bfh.ch

Short Description

The CDC of the BFH's Department of Architecture, Wood and Civil Engineering coordinates practice-oriented long-term projects with partners in newly-industrialised and developing countries. (The School of Agricultural, Forest and Food Sciences (HAFL), another department of the BFH, is also active in newly industrialised and developing countries.) Along the cycle from "creating knowledge" to "applying knowledge", the CDC works with the following approaches: applied research and development, bottom-up innovation, building of corresponding local capacities, knowledge and technology transfer, vocational and university education, sustainable economic development. Part of the CDC's projects have an (indirect) DRR and CCA component.

DRR/CCA activities

Five thematic focuses of the CDC:

1. Post-disaster reconstruction.
2. Low-cost technical approaches to natural hazard management: based on local materials and local knowledge (geotechnics, slope and bank protection).
3. Materials development (in particular for the construction sector).
4. Tropical wood: more efficient forest harvesting.
5. Timber construction: development of adapted technologies, knowledge transfer.

Direct DRR link in thematic fields 1-2. Partly indirect links to CCA in fields 3-5, however focus on more efficient environmental and resource use and climate protection.

Areas of activity (HFA)¹

1. <i>Policy dialogue, institutional development</i>	+
2. <i>Risk identification and monitoring</i>	+
3. <i>Awareness-raising and education</i>	++
4. <i>Risk reduction</i>	+
5. <i>Preparation for disaster events</i>	+

Approaches

Capacity building, mainstreaming, targeted/technical DRR, policy dialogue

Project partners and target groups

* Project partners in Switzerland (see also clients): funding organisations, development organisations, economic promotion programmes, NGOs, private companies, associations, universities, vocational colleges.
 * 800 students and 2000 course participants annually, including visiting students from developing and newly-industrialised countries.
 * Partners in project countries: state organisations and ministries, research institutes, universities, vocational colleges, NGOs, companies (private sector) etc.

Countries/regions

Bosnia-Herzegovina, Gabon, Ghana, Georgia, Haiti, India, Kyrgyzstan, Madagascar, Macedonia, Nigeria, Philippines, Russia

Networks

IDRC
 SHA/SDC

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:
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Institution Profiles

Bread for all

Web	www.brotfueralle.ch											
Type	NGO											
Contact	bfa@bfa-ppp.ch											
Short Description	<p>Bread for all is the "Development Service of the Protestant Churches in Switzerland". The North programme includes campaigns in the global North and participation in development policy debates ("Gerechtigkeit im Klimawandel (climate justice)", "Greenhouse Development Rights"). Projects carried out as part of the organisation's South programme are implemented with partner organisations (e.g. HEKS, mission 21 and DM-échange et mission). Close cooperation with the Swiss Catholic Lenten Fund, the Catholic counterpart of Bread for all.</p>											
DRR/CCA activities	<p>* Climate and disaster risks are considered jointly and as cross-sectoral topics. Activities are based on a mainstreaming strategy in partner organisation projects. Organisation and financing of training on climate and disaster risks, project analyses. Support of follow-up activities in the projects. Accompanying development of a regional network of climate trainers.</p> <p>* Instruments: "Participatory Assessment of Climate and Disaster Risks (PACDR)" and "Participatory Tool on Climate Change and Disaster Risks (CliDR)". Expected results of the usually two-week-long training programmes: project employees and communities learn to deal better with climate and disaster risks.</p>											
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2. Risk identification and monitoring	++											
3. Awareness-raising and education	++											
4. Risk reduction	+											
5. Preparation for disaster events	+											
Approaches	<u>Mainstreaming, awareness-raising, capacity building</u>											
Project partners and target groups	<p>* Participant training: partner organisations (mainly local representatives), local experts (as advisors), future climate trainers.</p> <p>* Participant project analysis: project beneficiaries (often farmers and fishermen as the projects are usually located in rural areas and related to agriculture), partner organisation employees, future climate trainers.</p>											
Countries/regions	<u>Ethiopia, Benin, Brazil, Haiti, Honduras, Indonesia, Kenya, Colombia, Niger, Nigeria, Philippines, Senegal, Zimbabwe, Togo, South Africa</u>											
Networks	<u>NGO DRR Network, SDC CE Network</u>											

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:
empty: no activities in this field
+: some activities in this field
++: focus of the institution's DRR/CCA activities

Institution Profiles

Caritas

Web	www.caritas.ch
Type	NGO
Contact	info@caritas.ch

Short Description

Caritas Schweiz is active both in Switzerland (16 regional offices) and, as one of the biggest Swiss development organisations, in international cooperation. In addition, the NGO is a member of Caritas Internationalis, a global network of 165 national NGOs with similar objectives. DRR and CCA activities arise in the "Disaster Aid" and "Climate Protection and Disaster Prevention" sectors (Caritas is also active in the area of disaster aid in Switzerland). Corresponding expertise is fostered at Head Office by a thematic expert group and is also increasingly available in the offices in other countries.

DRR/CCA activities

- * Some "stand-alone" DRR and CCA projects, currently, however, primarily mainstreaming of DRR/CCA (in around 50% of current programmes/projects).
- * More than other aid organisations which work in the area of DRR/CCA, Caritas is active in the field of humanitarian aid, reconstruction and technical DRR.
- * Work on cost-benefit assessments in technical projects: reporting based on quantitative indicators.
- * Examples of projects: CCA in agricultural cultivation methods, protective measures against extreme weather events (dams/dykes, shelters), anti-seismic construction, training in risk minimisation for populations at risk from natural hazards (e.g. tsunami risks).

Areas of activity (HFA)¹

1. Policy dialogue, institutional development	+
2. Risk identification and monitoring	+
3. Awareness-raising and education	++
4. Risk reduction	++
5. Preparation for disaster events	++

Approaches Awareness-raising, capacity building, mainstreaming, targeted/technical DRR

Project partners and target groups * Project work mainly starts at "community" level.
* In project countries, the local Caritas organisation is the first point of contact. Cooperation with other local NGOs is also possible, however. These include engineering and architectural practices (technical DRR) and Red Cross organisations and, depending on the situation in the country in question, local emergency organisations and authorities.

Countries/regions Ethiopia, Bangladesh, Brazil, Guatemala, Haiti, India, Indonesia, Cambodia, Kenya, Mali, Mexico, Myanmar, Philippines, Serbia, Tajikistan, Chad, Thailand, Vietnam

Networks NGO DRR Platform, SDC DRR Network, GNDR

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:
empty: no activities in this field
+: some activities in this field
++: focus of the institution's DRR/CCA activities

Institution Profiles

CSD Engineers

Web	www.csd.ch
Type	Consultancy
Contact	lausanne@csd.ch

Short Description

CSD engineers is one of the biggest Swiss engineering and consultancy companies and has approximately 30 subsidiaries in Switzerland, France, Belgium, Germany, Italy and Lithuania. Activities: civil engineering, environment and natural resources. Specialists: civil engineers, environmental specialists, geologists, hydrogeologists, geographers geotechnicians, chemists, biologists, foresters, process engineers, energy engineers (source: website).

DRR/CCA activities

The topic of DRR is assigned to the area of geology and geotechnics:

* Risk management in the area of natural hazards: from risk identification, hazard maps and risk analyses to engineering-technology solutions, monitoring and warning systems.

* Thematic focus on natural hazards as they arise in mountain regions (floods, mass movements etc.).

* Long track record in the area of infrastructure, i.e. protective structures for transport and other infrastructure.

Areas of activity (HFA)¹

- | | |
|--|----|
| 1. <i>Policy dialogue, institutional development</i> | |
| 2. <i>Risk identification and monitoring</i> | ++ |
| 3. <i>Awareness-raising and education</i> | + |
| 4. <i>Risk reduction</i> | ++ |
| 5. <i>Preparation for disaster events</i> | |
-

Approaches	Capacity building, targeted/technical DRR
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Project partners and target groups	Clients from the private and public sectors
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Countries/regions	Primarily Switzerland and Europe. In the area of DRR: Yemen. In the area of water and other topics: other developing and newly industrialised countries.
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Networks	ISDR conferences
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¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:

empty: no activities in this field

+: some activities in this field

++: focus of the institution's DRR/CCA activities

Institution Profiles

Eawag Federal Institute of Aquatic Science and Technology - Sandec

Web	www.sandec.ch
Type	Research and teaching
Contact	info@eawag.ch

Short Description

Sandec is a department of the Eawag (Swiss Federal Institute of Aquatic Science and Technology) and an internal consultancy centre that has been dealing with water and settlement sanitation in developing countries since the 1970s. (The Eawag is an aquatic research institute with a global reach and belongs to the ETH domain.) Sandec works on sustainable strategies and technologies in the area of water supply and sanitation that are adapted to conditions in developing countries. Its central activities include applied research and development in cooperation with partners from project countries and knowledge transfer through various channels. DRR and CCA issues play a key role in individual projects.

DRR/CCA activities

* Sandec's activities involve different aspects of DRR and CCA issues, for example the risk-appropriate planning of water supply and sanitation ("risk proofing", the evaluation of resilient drinking-water treatment systems and considerations for drinking-water supply and dealing with sewage in crisis situations ("sanitation for emergencies").

* Sandec is the WHO Reference Center active in the area of water safety plans and sanitation safety plans.

Areas of activity (HFA)¹

1. Policy dialogue, institutional development	+
2. Risk identification and monitoring	+
3. Awareness-raising and education	++
4. Risk reduction	+
5. Preparation for disaster events	+

Approaches	Awareness-raising, capacity building, mainstreaming, targeted/technical DRR
Project partners and target groups	<p>* In Switzerland: students, researchers and course participants from international cooperation (e.g. Shelter Course - Sanitation for SHA members, employees of Red Cross organisations and NGOs etc.) and, in part, from newly industrialised and developing countries.</p> <p>* In project countries: wide-ranging partners in the areas of research, development, teaching and technical implementation.</p> <p>* Joint development of solutions/technologies, simultaneous knowledge transfer and capacity building.</p>
Countries/regions	Africa, Asia, Latin America, Middle East
Networks	SHA/SDC WHO collaborating center

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:
empty: no activities in this field
+: some activities in this field
++: focus of the institution's DRR/CCA activities

Institution Profiles

Ernst Basler + Partner

Web www.ebp.ch

Type Consultancy

Contact info@ebp.ch

Short Description

Ernst Basler + Partner (EBP) is a large engineering and consultancy company. Through its expertise in the specialised fields of engineering and science and social science and law, the company contributes to sustainable development in the area of the built and non-built environments, technology, economics and society. Various divisions and research and development activities are focused on DRR- and CCA-related issues, both in Switzerland and at international level. EBP has offices in Germany and Latin America (Potsdam, Santiago de Chile) and partner companies (Ecogeo Brazil).

DRR/CCA activities

- * Involvement in international cooperation for around 20 years, traditionally and mainly in the areas of water supply and wastewater, DRR and CCA for some years now.
- * One of the leading Swiss engineering practices in the area of natural hazards (incl. CCA), many years of cooperation with the public service (FOCP, FOEN, SDC, SECO).
- * Own research and development activities in DRR/CCA (internal research project: tourism, regional development, cities, Bolivia).
- * Examples of projects: "Flood Risk Management in Changjiang River Basin under Conditions of Climate Change" (SDCA, FOEN; China), "Energy Efficiency in Humanitarian Action", adaptation to climate change in Swiss cities.

Areas of activity (HFA)¹

- | | |
|---|----|
| 1. Policy dialogue, institutional development | + |
| 2. Risk identification and monitoring | + |
| 3. Awareness-raising and education | + |
| 4. Risk reduction | ++ |
| 5. Preparation for disaster events | ++ |

Approaches Capacity building, targeted/technical DRR

Project partners and target groups

- * In international cooperation in the area of DRR and CCA: project-related cooperation with Swiss engineering practices and development organisations.
- * At local level, primarily ministries and authorities, in part engineering practices and NGOs and universities.
- * Offices and partnerships: EBP Chile, participation in ECOGEO (Brazil); from there, coordination of projects in Latin America).

Countries/regions Bolivia, China, Kosovo, Macedonia, Peru, Chile, Brazil, Colombia, Mekong region, Central Asia (Uzbekistan, Tadjikistan etc.)

Networks SDC networks, SHA (Annemarie Schneider is a member)
Society for Risk Analysis

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:
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++: focus of the institution's DRR/CCA activities

Institution Profiles

Ecole polytechnique fédérale de Lausanne EPFL - Cooperation and Development Center CODEV

Web	cooperation.epfl.ch
Type	Research and teaching
Contact	cdrr@epfl.ch

Short Description

CODEV is the "Cooperation & Development Center" at the Swiss Federal Institute of Technology Lausanne (EPFL). A multidisciplinary team coordinates activities in the area of research, development, teaching and consultancy at the EPFL in relation to development issues. CODEV's mission also includes networking with partners in Switzerland (e.g. SDC, SECO, SERI, NGOs/aid organisations, research) and in newly industrialised and developing countries, in particular with universities there. The UNESCO Chair in Technologies for Development is also based at the CODEV; one of its four focus areas is "Science and technology for disaster risk reduction". The CODEV's most important activity currently is a "CAS in Disaster Risk Reduction" in the area of DDR.

DRR/CCA activities

The CODEV has been offering an "Certificate of Advanced Studies in Disaster Risk Reduction (CDRR)" since 2008. A course cycle begins every two years.

* Target group: experts with experience in DRR and international cooperation. Out of around 100 reports, approximately 30 can be dealt with, of which 2/3 from developing countries.

* Topics: natural hazard processes and climate change, risk analysis and risk management methods, science and technology in the area of DRR, vulnerability reduction and capacity building. Scientific substantiation with simultaneously strong practical orientation.

* Development: 1) Preparation as e-learning block. 2) Theory block in Switzerland with interdisciplinary workshop. 3) Field block in a developing country. 4) Own project work.

Areas of activity (HFA)¹

1. Policy dialogue, institutional development	+
2. Risk identification and monitoring	+
3. Awareness-raising and education	++
4. Risk reduction	+
5. Preparation for disaster events	+

Approaches

Capacity building, mainstreaming, targeted/technical DRR

Project partners and target groups

* Participants, who can apply the acquired knowledge and method in developing countries, within and outside international cooperation.

* Partner institutions in the country, in which the field block takes place (2012/3: Bangladesh Disaster Preparedness Centre).

* Institutions from Switzerland with expertise in the area of DRR/CCA and in part in international cooperation (administration, universities, NGO, multilateral organisations).

* SDC as (financing) partner.

Countries/regions

Bangladesh, India (countries, in which the field block has already taken place).

Networks

SDC networks, UN-ISDR/HFA, policy dialogue in the area of climate

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:
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++: focus of the institution's DRR/CCA activities

Institution Profiles

Federal Institute of Technology Zurich ETHZ - Laboratory of Hydraulics, Hydrology and Glaciology VAW

Web	www.vaw.ethz.ch
Type	Research and teaching
Contact	info@vaw.baug.ethz.ch

Short Description

The Laboratory of Hydraulics, Hydrology and Glaciology (VAW) is an institute in the Department of Civil, Environmental and Geomatic Engineering (D-BAUG) of the Swiss Federal Institute of Technology Zurich (ETHZ). Its main topics are hydraulic engineering, river engineering and glaciology. The VAW researches, teaches and provides consultancy services on questions from the following fields: energy generation from hydropower, natural hazards (e.g. floods and debris flows), revitalisation of watercourses, glaciers and polar ice streams, among other things in connection with changes in the climate. Mainly active with partners from Switzerland and Europe, the VAW occasionally works on projects in newly industrialised and developing countries.

DRR/CCA activities

- * Like the other laboratories of the federal institutes of technology (ETH-Bereich), the VAW is involved in research and teaching and also provides services for state institutions and the private sector, primarily in the area of applied research.
 - * Methodological specialisms: physical and numerical modelling, in part calibrated/validated with data from field measurements: hybrid modelling (combination of experimental study and numerical simulation).
 - * The VAW has its own test facility for physical modelling and the experimental study of hydraulic and river engineering issues.
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Areas of activity (HFA)¹

1. *Policy dialogue, institutional development*
 2. *Risk identification and monitoring* +
 3. *Awareness-raising and education*
 4. *Risk reduction* +
 5. *Preparation for disaster events* +
-

Approaches	Targeted/technical DRR
Project partners and target groups	<p>* See clients/financing</p> <p>* Example of project: "Gibe III Hydroelectric Project" in Ethiopia (Client: EEPKO, Ethiopian Electric Power Company). The VAW is working on optimising the design of elements of the dam walls using a physical model on behalf of the construction company Salini Costruttori (Italy).</p> <p>*The VAW mainly works from Zurich; it does not carry out fieldwork in newly industrialised and developing countries.</p>

Countries/regions	Ethiopia
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Networks	-
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¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:

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Institution Profiles

Federal Institute of Technology Zurich ETHZ - Agri-food & Agri-environmental Economics Group AFEE

Web	www.afee.ethz.ch
Type	Research and teaching
Contact	lukeller@ethz.ch

Short Description

The AFEE is part of the Institute for Environmental Decisions (IED) at the ETH Zurich and constitutes "a group of scientists (agricultural economists and economists) working (on) research, teaching, and decision support in the context of global change and resource scarcity, and to contribute to the improvement of local and global food security" (website). One of its four areas of research is resource management and risk management. Raushan Bokusheva is the Group's contact for the topic "Efficiency of resource use and risk management". This includes issues surrounding risk management and insurance solutions. In addition to her own research and teaching, Dr Bokusheva supervises doctoral and masters' theses.

DRR/CCA activities

* Main areas of activity research and consultancy in relation to risks and climate: agricultural risk analysis and management, design and evaluation of index-based insurance, analysis of investment behaviour, analysis of rural financial intermediation efficiency.

* Examples of projects: "5 year ex-post Impact Study Postcosecha" (Central America, SDC mandate, cooperation with Helvetas), "Climate change and agricultural production risks (AGRISK)" (NCCR Climate), "Weather-based insurance design: Modelling dependence structure between yields and weather variables", "Development of risk management strategies for cotton producers in Mozambique" (FAO), insurance as an instrument of risk management (informal vs. formal solutions), demand for index insurance in pilot projects.

Areas of activity (HFA)¹

1. Policy dialogue, institutional development	+
2. Risk identification and monitoring	
3. Awareness-raising and education	+
4. Risk reduction	
5. Preparation for disaster events	++

Approaches	Capacity building, insurance
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Project partners and target groups	<p>* Occasional supervisory and consultative role in microinsurance projects, however not involved in design and implementation. Cooperation (partly on a contract basis) with SDC, FAO, Swiss Re.</p> <p>* For AFEE, consultancy activity aims to generate exploitable data or publishable results.</p> <p>* Research cooperation: Competence Center Environment and Sustainability (CCES, ETH), NCCR Climate, Leibniz Institute of Agricultural Development in Central and Eastern Europe (Germany), NOAA (USA).</p>
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Countries/regions	Côte d'Ivoire, El Salvador, Guatemala, Honduras, India, Kazakhstan, Morocco, Mozambique, Nicaragua; Eastern Europe
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Networks	www.afee.ethz.ch
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¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:
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 +: some activities in this field
 ++: focus of the institution's DRR/CCA activities

Institution Profiles

Federal Institute of Technology Zurich ETHZ - Swiss Seismological Service SED

Web	www.seismo.ethz.ch
Type	Research and teaching
Contact	-

Short Description

The SED is the Swiss Federal centre of earthquake expertise and together with the FOEN, MeteoSwiss, the WSL/SLF and the NAZ (National Emergency Operations Centre) is involved in the coordination of natural hazard management in Switzerland under the umbrella of the LAINAT (Steering Committee Intervention against Natural Hazards). The SED is based at the Swiss Federal Institute of Technology Zurich, however its tasks as a specialist service are, for the most part, directly regulated through the legal mandates of the federal authorities. Its central activities are research, teaching, consultancy and public relations work on seismic risks (hazard assessment) and earthquake activity (monitoring and analysis). Its focus is national but strong international networking. It is regularly involved in projects relating to the management of seismic risks in newly industrialised and developing countries.

DRR/CCA activities

Examples of projects relating to DRR/CCA in newly industrialised and developing countries:

- * GEM (Global Earthquake Model). Initiative with international participants and the SED as one of the key partners. Platform for the exchange of knowledge, data, models and methods. Objective for 2014: OpenQuake "a hub for earthquake risk assessment in all areas of the world, used from global to local levels". The GEM is financed as a foundation.
- * Development of measurement networks and some hazard analyses, e.g. in Tajikistan and Algeria.
- * Earthquake hazard maps for Bhutan: research project carried out in cooperation with local partners. Conceivable in the medium-term: development of earthquake measurement network.
- * Partner organisation of Swiss Rescue (SDC/humanitarian aid).

Areas of activity (HFA)¹

1. <i>Policy dialogue, institutional development</i>	+
2. <i>Risk identification and monitoring</i>	++
3. <i>Awareness-raising and education</i>	++
4. <i>Risk reduction</i>	+
5. <i>Preparation for disaster events</i>	+

Approaches

Awareness-raising, capacity building, targeted/technical DRR, policy dialogue

Project partners and target groups

- * General institutional capacity building: cooperation with seismological services or similar local partners. Objective: regional cooperation between a number of countries.
- * Approach (depending on the situation and available capacities) in capacity-building: seismological monitoring (organisation, network), data evaluation, hazard and risk analyses, DRR measures (warning systems, construction standards etc.).
- * Guest researchers and short-term visits by experts to Switzerland.

Countries/regions

Algeria, Bhutan, Chile, Libya, Nepal, Tajikistan

Networks

SHA/SDC, GEM, IDRC

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:
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 +: some activities in this field
 ++: focus of the institution's DRR/CCA activities

Institution Profiles

Federal Office for Civil Protection FOCP

Web	www.bevoelkerungsschutz.admin.ch										
Type	Federal administration										
Contact	-										
Short Description	<p>The task of the FOCP is to protect the Swiss population against disasters and emergencies. It is carried out in cooperation with the cantons and through an integrated system with the police, fire service, health service, technical operations and civil protection. The FOCP incorporates the Spiez Laboratory, the National Emergency Operations Centre and training services, e.g. for senior cantonal management. Although the FOCP has a national focus, it also maintains cooperation, in particular with European partners, and participates in projects in newly industrialised and developing countries, e.g. in the context of humanitarian aid, in the management of technical-military risks (munitions, chemical agents) and natural hazards (DRR).</p>										
DRR/CCA activities	<p>The FOCP has actively participated in the SDC's activities in the area of humanitarian aid and DRR for some time.</p> <p>* Material, personnel and expert support of the SHA, Swiss Rescue, in the context of the INSARAG (International Search and Rescue Advisory Group), EU CPM, EADRCC etc. and in the organisation and implementation of international training and exercises (e.g. SimEX, SEISMO 12, RHEINTAL 06).</p> <p>* Institutional capacity building of emergency organisations, for example for the benefit of the Armenian Ministry for Emergency Situations: reorganisation of the crisis management centre, and in the area of ABC.</p>										
Areas of activity (HFA) ¹	<table><tr><td>1. Policy dialogue, institutional development</td><td>++</td></tr><tr><td>2. Risk identification and monitoring</td><td>++</td></tr><tr><td>3. Awareness-raising and education</td><td>++</td></tr><tr><td>4. Risk reduction</td><td></td></tr><tr><td>5. Preparation for disaster events</td><td>++</td></tr></table>	1. Policy dialogue, institutional development	++	2. Risk identification and monitoring	++	3. Awareness-raising and education	++	4. Risk reduction		5. Preparation for disaster events	++
1. Policy dialogue, institutional development	++										
2. Risk identification and monitoring	++										
3. Awareness-raising and education	++										
4. Risk reduction											
5. Preparation for disaster events	++										
Approaches	Capacity building										
Project partners and target groups	<p>* Cooperation primarily with emergency and crisis organisations and with competent authorities (ABC area) in project countries at national, regional and local level (in some cases based on twinning approach).</p> <p>* Development of institutional capacities and training of employees: strategic, organisational and operational and with equipment, in some cases in joint exercises.</p>										
Countries/regions	Armenia, India, Jordan										
Networks	SHA, IDRC (Davos), SDC DRR Network, ISDR/HFA										

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:

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+: some activities in this field

++: focus of the institution's DRR/CCA activities

Institution Profiles

Federal Office for the Environment FOEN - Hazard Prevention Division

Web	www.bafu.admin.ch/naturgefahren
Type	Federal administration
Contact	gefahrenpraevention@bafu.admin.ch

Short Description

In addition to other tasks, the Federal Office for the Environment (FOEN, an office of the Federal Department of the Environment, Transport, Energy and Communication, DETEC) is responsible for the management of natural hazards at national level in Switzerland. It fulfils this mandate in cooperation with MeteoSwiss, SLF/WSL, the National Emergency Operations Centre's Swiss Seismological Service, the Swiss Federal Office for Civil Protection and the relevant cantonal authorities. On the request of the SDC or SECO, the FOEN provides expertise in activities relating to international cooperation. The FOEN also leads the Swiss delegations to the international climate negotiations (UNFCCC), in the context of which development issues, climate change adaptation and financial solutions are key topics.

DRR/CCA activities

Examples of projects related to DRR/CCA in newly industrialised and developing countries:

* "Swiss-Chinese cooperation in the area of water, natural hazards and adaptation to climate change" (MOU between the DETEC and the Chinese Ministry of Water Resources): integrative risk management: monitoring of glacier hazards, flood forecasting, development of early-warning systems etc. (FOEN, SDC, engineering practices, university partners)

* UNFCCC: "Work programme on loss and damage to consider approaches to address loss and damage associated with climate change impacts in developing countries". Workshops take place in developing countries as part of this programme. Swiss involvement through the FOEN, SDC, SECO and Swiss Re.

Areas of activity (HFA)¹

1. Policy dialogue, institutional development	++
2. Risk identification and monitoring	++
3. Awareness-raising and education	+
4. Risk reduction	++
5. Preparation for disaster events	++

Approaches

Capacity-building, targeted/technical DRR, insurance, policy dialogue

Project partners and target groups

* International cooperation: SDC, Swiss partners (e.g. engineering practices and consultancies), partners in newly industrialised and developing countries (e.g. state institutions), in part on site, in part in workshops, in part in the context of the exchange of knowledge and experience in Switzerland.

* Climate negotiations (development policy aspects, CCA): cooperation with consultants, NGOs (e.g. Alliance Sud) and insurance companies; coordination of the Swiss delegations.

* Other partners from research and teaching and from the insurance sector.

Countries/regions

-

Networks

UNFCCC, UN-ISDR, IDRC

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:

empty: no activities in this field

+: some activities in this field

++: focus of the institution's DRR/CCA activities

Institution Profiles

Federal Office of Meteorology and Climatology FDHA

Web	www.meteoschweiz.ch										
Type	Swiss federal administration										
Contact	-										
Short Description	<p>MeteoSwiss is the Federal Office of Meteorology and Climatology (FDHA), the "weather and climate service for the Swiss public, for government, industry and science": weather forecasts and warnings, climate research, weather and climate models, representation of Switzerland in international meteorological organisations, international cooperation projects. Together with the FOEN and the SLF (WSL), MeteoSwiss is one of the three specialist federal offices that deal with natural hazards (Source: website and brochure).</p>										
DRR/CCA activities	<p>MeteoSwiss carries out projects with national and international partners in developing and newly industrialised countries, for example:</p> <ul style="list-style-type: none">* CATCOS: "Capacity Building and Twinning for Climate Observing Systems". Support for seven countries in the long-term measurement of climate-relevant variables which provide a basis for CCA approaches.* CLIMANDES: Improvement of climate services in Peru. Funding of the training of experts and students in the field of meteorology and climatology. Global Framework for Climate Services (GFCS) pilot project under the auspices of the WMO.* World Bank/WCIDS: Strengthening of national meteorological services in developing countries.										
Areas of activity (HFA) ¹	<table><tr><td>1. Policy dialogue, institutional development</td><td>+</td></tr><tr><td>2. Risk identification and monitoring</td><td>++</td></tr><tr><td>3. Awareness-raising and education</td><td>++</td></tr><tr><td>4. Risk reduction</td><td></td></tr><tr><td>5. Preparation for disaster events</td><td>+</td></tr></table>	1. Policy dialogue, institutional development	+	2. Risk identification and monitoring	++	3. Awareness-raising and education	++	4. Risk reduction		5. Preparation for disaster events	+
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2. Risk identification and monitoring	++										
3. Awareness-raising and education	++										
4. Risk reduction											
5. Preparation for disaster events	+										
Approaches	Capacity building, policy dialogue										
Project partners and target groups	<p>International organisations: WMO, World Bank</p> <p>In developing and newly industrialised countries:</p> <ul style="list-style-type: none">* National weather services ("twinning" approach).* National authorities (e.g. environment authorities).* Universities and research institutes: research and teaching on weather and climate topics, partly also as implementing partners.										
Countries/regions	Chile, Ecuador, Indonesia, Kenya, Kyrgyzstan, Colombia, Peru, Vietnam										
Networks	WMO, EUMETSAT, ECMWF, EUMETNET										

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:
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+: some activities in this field
++: focus of the institution's DRR/CCA activities

Institution Profiles

Flussbau AG

Web	<hr/> www.flussbau.ch <hr/>										
Type	<hr/> Consultancy <hr/>										
Contact	<hr/> sah.zhflussbau.ch <hr/>										
Short Description	<hr/> <p>Engineering practice active in Switzerland and, in part, abroad. Specialised in river engineering and hydraulic engineering. Main activities: flood protection, renaturation, sediment transport, river morphology, hazard maps (source: website).</p> <p>In international cooperation: SDC DRR programme in Central America, mainly Nicaragua and Honduras. Consultancy and evaluations also in Haiti, Ukraine and South Caucasus.</p> <hr/>										
DRR/CCA activities	<hr/> <p>DRR programme in Central America includes several projects in different countries:</p> <ul style="list-style-type: none">* Project supervision at strategic level, backstopping mandate.* 1-2 visits per year.* Awareness-raising among the population and other actors.* Improvement of prevention and foresight.* Training of experts at universities.* Strengthening of institutional cooperation between national and local authorities.* Organisation and management of further education and training courses in project countries. <hr/>										
Areas of activity (HFA) ¹	<hr/> <table><tr><td>1. Policy dialogue, institutional development</td><td>+</td></tr><tr><td>2. Risk identification and monitoring</td><td>++</td></tr><tr><td>3. Awareness-raising and education</td><td>++</td></tr><tr><td>4. Risk reduction</td><td>++</td></tr><tr><td>5. Preparation for disaster events</td><td>+</td></tr></table> <hr/>	1. Policy dialogue, institutional development	+	2. Risk identification and monitoring	++	3. Awareness-raising and education	++	4. Risk reduction	++	5. Preparation for disaster events	+
1. Policy dialogue, institutional development	+										
2. Risk identification and monitoring	++										
3. Awareness-raising and education	++										
4. Risk reduction	++										
5. Preparation for disaster events	+										
Approaches	<hr/> Awareness-raising, capacity building, mainstreaming, targeted/technical DRR <hr/>										
Project partners and target groups	<hr/> <ul style="list-style-type: none">* SDC cooperation office and partner organisations* Population and authorities (e.g. civil protection) in rural areas* NGOs, e.g. Red Cross* National authorities (civil protection, education)* Universities* Engineering practices <hr/>										
Countries/regions	<hr/> Central America <hr/>										
Networks	<hr/> Lukas Hunzinger is a member of the SHA, the Kommission für Hochwasserschutz (Swiss commission for flood protection) and the board of Fachleute Naturgefahren (Swiss association of experts on natural hazards). <hr/>										

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+: some activities in this field
++: focus of the institution's DRR/CCA activities

Institution Profiles

Gaia Global SA

Web	www.gaia.fi
Type	Consultancy
Contact	info@gaia.fi

Short Description

Gaia Global is an international consultancy company based in Finland. It has offices in Switzerland, Ethiopia, Argentina and other countries. "With Gaia, sustainability becomes an integrated part of your organisation's business strategy, enhancing both your competitive edge and corporate responsibility." "Our expertise ranges from risk and safety management to due diligence and business analysis." (Source: website)

DRR/CCA activities

- * Interdisciplinary and transsectoral working method
 - * Private sector - international cooperation interface (e.g. cleantech sector)
 - * DRR (Disaster Risk Recovery) from a management perspective
 - * Evaluations, project risk analyses, programme design in international cooperation
- Examples of projects related to DRR/CCA:
- * Risks posed to key infrastructure by extreme weather events (Finland)
 - * Climate change: Mitigation - Adaptation synergies
 - * "The role of environmental management and eco-engineering in disaster risk reduction and climate change adaptation": ProAct Network, gaia, UNISDR et al. (2008)
-

Areas of activity (HFA)¹

- </body>
1. *Policy dialogue, institutional development*
 2. *Risk identification and monitoring*
 3. *Awareness-raising and education*
 4. *Risk reduction*
 5. *Preparation for disaster events*
-

Approaches	Capacity building, policy dialogue
Project partners and target groups	* Multilateral organisations * Companies in newly industrialised and developing countries
Countries/regions	Worldwide

Networks

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:
empty: no activities in this field
+: some activities in this field
++: focus of the institution's DRR/CCA activities

Institution Profiles

GEOTEST AG

Web	<hr/> www.geotest.ch <hr/>										
Type	<hr/> Consultancy <hr/>										
Contact	<hr/> zollikofen@geotest.ch <hr/>										
Short Description	<hr/> Geotest is one of the biggest engineering and geology practices in Switzerland which primarily deals with matters concerning the subsurface and environment. Its employees include geologists, engineers, geophysicists and environment experts. It also has its own soil and rock mechanics laboratory and a geoinformatics department. Geotest is also involved in international projects in Switzerland, including many projects in newly industrialised and developing countries. Topics relating to natural hazards and risk are based in the company's engineering geology section. <hr/>										
DRR/CCA activities	<hr/> <ul style="list-style-type: none">* Thematic focus on natural hazards/DRR (with consideration of climate change) as they arise in Switzerland: rockfall processes, landslides, water hazards.* Transfer of this expertise to mountain regions in newly industrialised and developing countries.* Practical, primarily project and object-related working method with focus on prevention/DRR.* Works with the "Swiss integrative risk management approach" (FOEN/FOCP).* Specialised methodological areas: risk strategies, risk analyses, modelling, risk management, natural hazard and climate change strategy studies. Geoinformatics, hazard maps, planning of measures (early warning systems, hazard protection structures etc.). <hr/>										
Areas of activity (HFA) ¹	<hr/> <table><tr><td>1. <i>Policy dialogue, institutional development</i></td><td></td></tr><tr><td>2. <i>Risk identification and monitoring</i></td><td>++</td></tr><tr><td>3. <i>Awareness-raising and education</i></td><td>+</td></tr><tr><td>4. <i>Risk reduction</i></td><td>++</td></tr><tr><td>5. <i>Preparation for disaster events</i></td><td>+</td></tr></table> <hr/>	1. <i>Policy dialogue, institutional development</i>		2. <i>Risk identification and monitoring</i>	++	3. <i>Awareness-raising and education</i>	+	4. <i>Risk reduction</i>	++	5. <i>Preparation for disaster events</i>	+
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4. <i>Risk reduction</i>	++										
5. <i>Preparation for disaster events</i>	+										
Approaches	<hr/> Targeted/technical DRR <hr/>										
Project partners and target groups	<hr/> <ul style="list-style-type: none">* Cooperation with Swiss consultants, e.g. Ernst Basler + Partner (China) and Iteco (Nepal) and with research institutions and the administration (e.g. Canton of Bern: project on climate change, permafrost and natural hazards; transfer to international projects conceivable).* In project countries: cooperation with engineering practices and other partners, e.g. in the implementation of technical protection measures. <hr/>										
Countries/regions	<hr/> Mountain states (Himalayas, Central Asia, Andes) <hr/>										
Networks	<hr/> SHA (two Geotest employees are members), UN-ISDR/HFA, IDRC <hr/>										

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++: focus of the institution's DRR/CCA activities

Institution Profiles

Global Risk Forum GRF, IDRC Davos

Web	www.grforum.org
Type	NGO
Contact	info@grforum.org

Short Description

The GRF is a (non-profit) foundation with a headquarters and offices in Davos for the promotion of its vision of integrative risk management. With its motto "from thoughts to action", GRF Davos expresses the idea that the rapid transfer of scientific knowledge to its practical implementation is a central concern for the foundation. GRF Davos sees itself as building bridges between science and practice, between individual scientific disciplines, and between politics, economics and society. Through its conferences, GRF Davos promotes the global exchange of knowledge and experience, works on research and implementation projects, and hence contributes to finding sustainable solutions in the context of integrative risk management.

DRR/CCA activities

- * Risk Academy: research and implementation projects, training courses, book publications (e.g. "Microinsurance – An Innovative Tool for Risk and Disaster Management") and e-Journals (Planet@Risk, International Journal of Disaster Risk Reduction (with Elsevier).
- * Conferences and workshops: Organisation of the IDRC Davos and regional IDRC in Harbin and Chengdu (China, Singapore), GRF One Health Summit, Business Continuity Management Conference, GRF Disaster Surgery Workshops, Davos Resilience Workshops. The IDRC Davos is held alternatively with the ISDR Global Platform (both biannually) and is conceived to be more practice-oriented than the latter.
- * Platform for networks (under development) for the promotion of knowledge and exchange of experience.

Areas of activity (HFA)¹

- | | |
|---|----|
| 1. Policy dialogue, institutional development | ++ |
| 2. Risk identification and monitoring | ++ |
| 3. Awareness-raising and education | ++ |
| 4. Risk reduction | |
| 5. Preparation for disaster events | |

Approaches	Awareness-raising, capacity building, mainstreaming, targeted/technical DRR, insurance, policy dialogue
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Project partners and target groups	<p>Primarily on the level of decision-makers and experts:</p> <ul style="list-style-type: none"> * Global: representatives of multinational organisations (in particular UN), decision-makers, science, consultants, insurance sector, administration, private sector etc. * In developing countries: experts from research and teaching, private sector, politics and administration.
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Countries/regions	Brazil, China, Iran, Nigeria, Romania, Turkey, Central Asia
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Networks	UNISDR, UNCCD, UNFCCC, WHO, UNEP, OECD, Swiss NGO DRR Platform
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¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:
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+: some activities in this field
++: focus of the institution's DRR/CCA activities

Institution Profiles

HEKS

Web	www.heks.ch
Type	NGO
Contact	info@heks.ch

Short Description

HEKS is the relief organisation of the Protestant churches of Switzerland. The organisation "gives humanitarian and emergency aid and fights the causes of hunger, injustice and social deprivation". Within Switzerland, HEKS works from five regional offices (social integration and advocacy). Its international presence includes 21 coordination offices. Thematic focus areas: rural development, peace-building and conflict resolution, humanitarian aid, interchurch cooperation. Almost 40% of its funding is used in Switzerland, around 50% on its work abroad (of which 12% is used for humanitarian aid).

DRR/CCA activities

* Mainstreaming/integration: CCA and DRR are considered a cross-sectional topic (increasingly so and explicitly in future) and integrated into ongoing programmes/projects. Natural hazards and climate risks already play a central role in rural development and resource/water management (e.g. management of drought periods).

* Cooperation with Bread for all: runs climate and natural hazard workshops (Participatory Assessment of Climate and Disaster Risks (PACDR); see profile of Bread for all).

* Specific DRR/CCA projects (example): local network for disaster (LEARN, Indonesia); training of partner organisations (local NGOs) in DRR and emergency aid, development of a regional network and a rapid reaction and assessment team.

Areas of activity (HFA)¹

1. Policy dialogue, institutional development	++
2. Risk identification and monitoring	+
3. Awareness-raising and education	++
4. Risk reduction	+
5. Preparation for disaster events	++

Approaches Awareness-raising, capacity building, mainstreaming, policy dialogue

Project partners and target groups * Coordination offices and partner organisations (mainstreaming/integration of DRR and CCA in ongoing programmes/projects).

* Local partner organisations (NGOs, proximity to exposed/affected population): capacity building (training of DRR experts, development of networks and task forces, equipment). Note: these experts and networks have already been deployed in disaster events.

Countries/regions Projects with an explicit DRR/CCA element: Azerbaijan, Ethiopia, Haiti, Indonesia, Niger, Pakistan, South Africa (integrated activities in a further approximately 20 focus countries).

Networks SDC DRR Network, NGO DRR Platform, SDC Climate & Environment Network

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:

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+: some activities in this field

++: focus of the institution's DRR/CCA activities

Institution Profiles

HELVETAS Swiss Intercooperation

Web	www.helvetas.ch										
Type	NGO										
Contact	info@helvetas.org and ecc@helvetas.org										
Short Description	<p>"HELVETAS Swiss Intercooperation was established on 1 July 2011 from the merger of the organisations Helvetas and Intercooperation and is one of Switzerland's biggest development organisations. The organization offers services in five different fields of development: water and infrastructure; agriculture and markets; environment and climate; skills development and education; democracy and peace. Disaster Risk Reduction (DRR) and Climate Change Adaptation (CCA) are a priority. The corresponding expertise is embedded in the Environment and Climate Change advisory service (in Switzerland and abroad)."</p>										
DRR/CCA activities	<ul style="list-style-type: none">* Core competence: strengthening of local and (institutional) capacities.* DRR/CCA are integrated into ongoing projects as cross-sectoral topics (e.g. water, governance, rural economy); the number of specific DRR/CCA projects/activities is increasing.* Holistic approach: towards a comprehensive risk management approach, considering natural and social risks. Natural hazards often provide an important entry point for debates on CCA.* Workshops on DRR and CCA with a particular focus on risk assessments and the application of DRR/CCA methodologies and tools (e.g. CRiSTAL, a DRR planning tool at the community level).* Conceptual work on DRR/CCA, e.g. regarding food security/water, fragility, risks in value chains or in projects on Making Markets Work for the Poor (M4P).										
Areas of activity (HFA)	<table><tr><td>1. Policy dialogue, institutional development</td><td>++</td></tr><tr><td>2. Risk identification and monitoring</td><td>++</td></tr><tr><td>3. Awareness-raising and education</td><td>++</td></tr><tr><td>4. Risk reduction</td><td>++</td></tr><tr><td>5. Preparation for disaster events</td><td>+</td></tr></table>	1. Policy dialogue, institutional development	++	2. Risk identification and monitoring	++	3. Awareness-raising and education	++	4. Risk reduction	++	5. Preparation for disaster events	+
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4. Risk reduction	++										
5. Preparation for disaster events	+										
Approaches	Awareness-raising, capacity building, mainstreaming, policy dialogue										
Project partners and target groups	<ul style="list-style-type: none">* Offices in the 32 partner countries are responsible for the management and implementation of projects and local partners.* The advisory service provides expertise in form of internal consultancy for own projects and to external partners in Switzerland (SDC, FOEN, SECO, universities) and at the international level (IPCC, UNISDR, IDB etc.).										
Countries/regions	DRR/CCA projects in Afghanistan, Ethiopia, Bangladesh, Bolivia, Guatemala, Haiti, Honduras, India, Mali, Nepal, Pakistan, Peru										
Networks	Swiss NGO DRR Platform, SDC DRR and Climate Change and Environment Networks; PPEDRR										

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Institution Profiles

Hydrosolutions GmbH

Web	www.hydrosolutions.ch										
Type	Consultancy										
Contact	hs@hydrosolutions.ch										
Short Description	<p>Hydrosolutions a spin-off from the Swiss Federal Institute of Technology (ETH) which was established in 2012 and focuses on water-related topics. Its core competencies include system modelling (computer models), in particular, and, based on this, consultancy services in the area of resource management, conflict prevention and policy consultancy. The vision is the sustainable, efficient and just use of the resource water in the context of climate change and increasing demand. In its modelling activities, hydrosolutions works with approaches from scientific research, however mainly on problem- and solution-oriented projects in institutionally weak settings.</p>										
DRR/CCA activities	<p>* Scientific (model-based) decision, planning and policy bases and policy consultation in the area of regional water use. There is demand for optimisation between different uses while taking climate change, population development and economic growth into account. In addition to efficiency and sustainability, (international), water conflicts are a central factor: upstream versus downstream, irrigation versus electricity generation etc.</p> <p>* Examples of projects: "Low-Cost High-tech Solutions for Better Water Management (iMoMo)", "Scoping studies for hydro-climatological resources modeling", "Development of a Mathematical Model of the Syr Darya Basin for Effective Water Resources Management in Kazakhstan".</p>										
Areas of activity (HFA)¹	<table><tr><td>1. <i>Policy dialogue, institutional development</i></td><td>++</td></tr><tr><td>2. <i>Risk identification and monitoring</i></td><td>++</td></tr><tr><td>3. <i>Awareness-raising and education</i></td><td>+</td></tr><tr><td>4. <i>Risk reduction</i></td><td></td></tr><tr><td>5. <i>Preparation for disaster events</i></td><td></td></tr></table>	1. <i>Policy dialogue, institutional development</i>	++	2. <i>Risk identification and monitoring</i>	++	3. <i>Awareness-raising and education</i>	+	4. <i>Risk reduction</i>		5. <i>Preparation for disaster events</i>	
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3. <i>Awareness-raising and education</i>	+										
4. <i>Risk reduction</i>											
5. <i>Preparation for disaster events</i>											
Approaches	Capacity building, targeted/technical DRR, policy dialogue										
Project partners and target groups	<p>* Decision-makers in international cooperation institutions (see clients) and in project countries (e.g. state institutions that deal with water issues).</p> <p>* Cooperation with various partners from research and consultancy/engineering, particularly on technology projects.</p>										
Countries/regions	Egypt (planned), Burundi, China, India, Haiti, Kazakhstan, Kyrgyzstan, Congo, Morocco, Rwanda, Tajikistan, Tanzania. Richer countries with scarce water resources: Saudi Arabia, Qatar. Europe: planned.										
Networks	Member of the Swiss Water Partnership (not widely networked in the DRR/CCA area).										

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:
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+: some activities in this field
++: focus of the institution's DRR/CCA activities

Institution Profiles

Infras

Web	www.infras.ch
Type	Consultancy
Contact	zuerich@infras.ch

Short Description

Infras is a research and consultancy group with offices in Zurich and Bern. Its activities are mainly focused on topics related to sustainability. The employees come from a range of disciplines: economics and social sciences, engineering and natural sciences. Infras's thematic focus in international cooperation: climate, environment, development. Within these fields, the following areas are central: global environmental and climate policy, clean technology, CO2 markets and the planning, backstopping, implementation and evaluation of projects, in particular climate protection and climate change adaptation projects.

DRR/CCA activities

In the area of international cooperation:

* Support and representation of SDC and FOEN delegations in international climate policy (backstopping mandate): UNFCCC, policy coherence between different administrative sectors and within the SDC.

* Development of mainstreaming approaches in the area of DRR/CCA: collaboration on CEDRIG (as part of comprehensive approaches which integrate environmental aspects into development strategies).

* Backstopping, technical consultancy, evaluation of projects including SDC projects (e.g. PACC, a CCA project Peru).

* Strategy consultancy in the area of climate, including for the SDC.

Areas of activity (HFA)¹

- | | |
|---|----|
| 1. Policy dialogue, institutional development | ++ |
| 2. Risk identification and monitoring | + |
| 3. Awareness-raising and education | + |
| 4. Risk reduction | |
| 5. Preparation for disaster events | |
-

Approaches	Capacity building, mainstreaming, policy dialogue
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Project partners and target groups	* Consultancy for the federal administration (SDC, SECO, FOEN) * Cooperation with development organisations (in Switzerland) on different projects * Cooperation with organisations in project countries
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Countries/regions	Albania, Chile, China, India, Colombia, Peru, South Africa, Ukraine.
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Networks

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++: focus of the institution's DRR/CCA activities

Institution Profiles

NDR Consulting GmbH

Web www.ndr.ch

Type Consultancy

Contact info@ndr.ch

Short Description

NDR Consulting is a specialised consulting company active in the field of natural hazard management (DRR, CCA) and geomorphology. The company's owner and main employee is Markus Zimmermann. NDR Consulting is primarily active in the international cooperation sector (for around 20 years), but partly also in Switzerland. NDR Consulting provides services along the entire integrative risk management cycle: strategy development and project identification, backstopping and consultancy, project management, programme and project evaluation, capacity building, education and training. Geographical focus: south and central Asia, Middle East.

DRR/CCA activities

- * Consultancy and backstopping: analysis of natural hazards, risks, vulnerabilities and capacities with local actors, hazard maps, capacity building, support in the planning and implementation of measures.
- * Evaluation and cost-benefit analysis of DRR projects.
- * Education and training: in project countries, at the University of Bern, various courses.
- * Participation in policy dialogue in Switzerland and at international level.
- * Examples of projects: "Feasibility study and business plan of the Istanbul International Centre for Earthquake Risk Management" (Turkey, World Bank), "Community Based Flood Management Project" (Tajikistan), "DRR Effectiveness Assessment" (various countries, SDC).

Areas of activity (HFA)¹

- | | |
|---|----|
| 1. Policy dialogue, institutional development | + |
| 2. Risk identification and monitoring | ++ |
| 3. Awareness-raising and education | ++ |
| 4. Risk reduction | + |
| 5. Preparation for disaster events | ++ |

Approaches Capacity building, mainstreaming, targeted/technical DRR, policy dialogue

Project partners and target groups * Cooperation with project partners from Switzerland (in particular engineering practices).
* In project countries: institutional and technical capacity building with institutions and communities. Primarily bottom-up approaches. Cooperation with local NGOs and international organisations, occasionally with state institutions. Aim: reduction of vulnerability and strengthening of the resilience of communities as a contribution to sustainable development.

Countries/regions South Asia, Central Asia, Middle East.

Networks SHA, SDC DRR Network, PLANAT, HFA/UN-ISDR, IDRC Davos

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Institution Profiles

riskcoach GmbH

Web	www.riskcoach.ch
Type	Consultants
Contact	rene.graf@riskcoach.ch

Short Description

riskcoach is a company owned by René Graf, who also works as a Risk Management Project Manager at the Natural Hazards Department of the Canton of Lucerne. As administrative employee (ca. 60%): coordination of natural risk management at cantonal level: hazard identification, spatial-planning and structural measures, event management.

As the owner of riskcoach (on a contractual basis): involvement in the field of risk and crisis management in Switzerland and abroad, including humanitarian aid for the improvement of prevention in the area of natural and technical risks in particularly vulnerable societies.

DRR/CCA activities

* Risk Management Project Manager in the Natural Hazards Department of the canton of Lucerne: hazard mapping and risk assessment (in cooperation with stakeholders, politicians and responsible actors from communes and the canton), planning of measures (spatial-planning, monitoring, hazard barriers, protection of properties, crisis management), crisis situation management (e.g. storm disasters) as member of management committees. (Currently works with the Hyogo Framework for Action.)

* In international cooperation: transfer of experience from Switzerland in the context of project countries: capacity building for emergency organisations from national to local level.

Areas of activity (HFA)¹

1. Policy dialogue, institutional development	++
2. Risk identification and monitoring	++
3. Awareness-raising and education	++
4. Risk reduction	+
5. Preparation for disaster events	++

Approaches Capacity building, targeted/technical DRR, policy dialogue

Project partners and target groups * In Switzerland: see Short description/specialisms.
* In newly industrialised and developing countries: primarily emergency organisations, from national civil protection to local emergency services.

Countries/regions Switzerland, Armenia, Georgia

Networks International: member of SHA Environment Expert Group.
National: very well networked (numerous institutions, associations, working groups).

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Institution Profiles

Swiss Agency for Development and Cooperation SDC

Web	www.deza.admin.ch										
Type	Swiss federal administration										
Contact	info@deza.admin.ch										
Short Description	<p>The SDC coordinates Switzerland's international cooperation together with the Economic Cooperation and Development Division of the SECO (State Secretariat for Economic Affairs). The SDC is responsible for DRR and CCA and is the key Swiss actor in these areas of international cooperation: personnel capacities, expertise, expert network hubs, budgets, cooperation with partner organisations and international networks are concentrated in different organisational units within the agency. Historically, DRR activities have come under the umbrella of humanitarian aid, on the one hand, and long-term development strategies, on the other.</p>										
DRR/CCA activities	<p>DRR and CCA are dealt with by different units within the SDC. There are some stand-alone projects which are accompanied by a simultaneous trend for mainstreaming (project risk perspective, risk-sensitive development, CEDRIG tool).</p> <p>* Humanitarian aid and the SHA (Swiss Humanitarian Aid Unit) with focus on DRR and the SDC DRR network: activities across the entire DRM cycle (emergency aid, reconstruction, mitigation/prevention etc.).</p> <p>* Global Programme Climate Change (SDC Network Climate Change & Environment): focus on CCA with consideration of DRR in long-term development projects.</p> <p>* Development of insurance markets as part of financial sector development (SCD Income & Employment Network), including agricultural and disaster insurance.</p> <p>* The management of disaster risks and climate change (e.g. droughts as slow-onset disasters) also plays a key role in areas like food security, rural development and water.</p>										
Areas of activity (HFA) ¹	<table border="0"> <tr> <td>1. Policy dialogue, institutional development</td> <td>++</td> </tr> <tr> <td>2. Risk identification and monitoring</td> <td>+</td> </tr> <tr> <td>3. Awareness-raising and education</td> <td>++</td> </tr> <tr> <td>4. Risk reduction</td> <td>++</td> </tr> <tr> <td>5. Preparation for disaster events</td> <td>++</td> </tr> </table>	1. Policy dialogue, institutional development	++	2. Risk identification and monitoring	+	3. Awareness-raising and education	++	4. Risk reduction	++	5. Preparation for disaster events	++
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4. Risk reduction	++										
5. Preparation for disaster events	++										
Approaches	Awareness-raising, capacity building, mainstreaming, targeted/technical DRR, insurance, policy dialogue										
Project partners and target groups	<p>* In Switzerland: Federal administration (FOEN, FOCP, MeteoSwiss etc.), NGOs (emergency and development partners), in particular NGO DRR Platform, universities (research, education, capacity building), private sector (consultants, primary and re-insurers, banks, e.g. in the context of the Swiss Capacity Building Facility (SCBF)).</p> <p>* Multilateral organisations: e.g. UN-ISDR, GFDRR, JEU UNEP / OCHA, WMO, UNFCCC (participation in policy dialogue, financial support).</p> <p>* Various actors in partner countries (through coordination offices and partner organisations): state bodies, NGOs, private sector, communities etc.</p>										
Countries/regions	Over 50 partner countries in Africa, Asia, Latin America and Eastern Europe. See: http://www.deza.admin.ch/en/Home/Countries										
Networks	SDC-initiated networks (see above), UN-ISDR, UNFCCC, Microinsurance Network, International Microinsurance Conference, Swiss NGO DRR Platform										

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:

empty: no activities in this field

+: some activities in this field

++: focus of the institution's DRR/CCA activities

Institution Profiles

State Secretariat for Economic Affairs SECO

Web	www.seco-cooperation.admin.ch										
Type	Swiss federal administration										
Contact	info.cooperation@seco.admin.ch										
Short Description	<p>Together with the SDC, the "Economic Cooperation and Development" division of the SECO coordinates Switzerland's international cooperation. The focus is on economic cooperation with advanced developing countries, with countries in Eastern Europe and the CIS, and with new EU Member States. The SECO also coordinates Switzerland's relations with some UN organisations and with the World Bank Group and regional development banks. Focal topics: economic and financial policy, urban infrastructure and services, private sector and entrepreneurship, sustainable trade, climate-friendly growth.</p>										
DRR/CCA activities	<p>DRR and CCA are occasional partial aspects of the SECO's activities, e.g. in infrastructure projects (resilience against natural hazards, dam safety etc.). In the area of climate, the SECO primarily supports mitigation approaches (e.g. climate-friendly growth).</p> <p>Examples of projects with an explicit DRR/CCA link:</p> <ul style="list-style-type: none">* Swiss-World Bank Partnership on Fiscal Risk Management: capacity building for dealing with external shocks on the level of the economy and state finances. The topics under discussion include: natural disasters, crop failure, financing and insurance mechanisms.* FARMD: Forum for Agricultural Risk Management in Development - network for the exchange of knowledge and experience coordinated by the World Bank.										
Areas of activity (HFA)¹	<table border="0"><tr><td>1. Policy dialogue, institutional development</td><td>+</td></tr><tr><td>2. Risk identification and monitoring</td><td></td></tr><tr><td>3. Awareness-raising and education</td><td></td></tr><tr><td>4. Risk reduction</td><td>+</td></tr><tr><td>5. Preparation for disaster events</td><td>+</td></tr></table>	1. Policy dialogue, institutional development	+	2. Risk identification and monitoring		3. Awareness-raising and education		4. Risk reduction	+	5. Preparation for disaster events	+
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2. Risk identification and monitoring											
3. Awareness-raising and education											
4. Risk reduction	+										
5. Preparation for disaster events	+										
Approaches	Targeted/technical DRR, insurance, policy dialogue										
Project partners and target groups	<p>Project partners:</p> <ul style="list-style-type: none">* Multilateral organisations (UN, development banks, WTO, EU).* Governments, ministries, administration in project countries.* Private sector in Switzerland and in project countries (central to the work of the SECO).* Objective: promotion of economically, ecologically and socially sustainable growth, integration of countries into the global economy, thereby generating employment and reducing poverty.										
Countries/regions	Egypt, Albania, Azerbaijan, Bosnia & Herzegovina, Ghana, Indonesia, Kyrgyzstan, Colombia, Kosovo, Peru, Macedonia, Serbia, South Africa, Tajikistan, Tunisia, Ukraine, Vietnam (focus countries; excluding Eastern Europe)										
Networks	<ul style="list-style-type: none">* Multilateral organisations: coordination function for Switzerland (see above).* Policy dialogue in the area of climate (primarily mitigation, less prominently adaptation).										

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+: some activities in this field

++: focus of the institution's DRR/CCA activities

Institution Profiles

SRC – Swiss Red Cross

Web	www.redcross.ch										
Type	NGO										
Contact	info@redcross.ch										
Short Description	<p>The SRC is part of the international Red Cross and Red Crescent movement (which consists of the International Committee of the Red Cross, the International Federation of Red Cross and Red Crescent Societies, and around 190 national Red Cross and Red Crescent societies). The SRC works predominantly in Switzerland but is also active in the area of international cooperation, primarily in the fields of health and disasters. DRR activities are integrated into emergency humanitarian aid, reconstruction and long-term development cooperation programmes.</p>										
DRR/CCA activities	<p>* In accordance with the disaster management cycle and the LRRD approach (Linking Relief, Rehabilitation and Development), DRR should already be incorporated into humanitarian aid, in subsequent reconstruction and in long-term development projects.</p> <p>* Intensive DRR mainstreaming in ongoing and new projects since last year: awareness-raising, risk monitoring, planning of measures, tools similar to CEDRIG.</p> <p>* SRC focuses on health and disaster topics (climate change is taken into account in both but there are no explicit CCA activities). Relief organisations are less active in humanitarian aid but pursue more broad-based development projects, e.g. in the area of agriculture where CCA can play a central role.</p>										
Areas of activity (HFA)¹	<table border="1"> <tr> <td>1. Policy dialogue, institutional development</td> <td>+</td> </tr> <tr> <td>2. Risk identification and monitoring</td> <td>+</td> </tr> <tr> <td>3. Awareness-raising and education</td> <td>+</td> </tr> <tr> <td>4. Risk reduction</td> <td>++</td> </tr> <tr> <td>5. Preparation for disaster events</td> <td>++</td> </tr> </table>	1. Policy dialogue, institutional development	+	2. Risk identification and monitoring	+	3. Awareness-raising and education	+	4. Risk reduction	++	5. Preparation for disaster events	++
1. Policy dialogue, institutional development	+										
2. Risk identification and monitoring	+										
3. Awareness-raising and education	+										
4. Risk reduction	++										
5. Preparation for disaster events	++										
Approaches	Awareness-raising, capacity building, mainstreaming, targeted/technical DRR policy dialogue										
Project partners and target groups	<p>* Access point: national Red Cross organisations. Where these organisations are too weak: cooperation with other actors, depending on the context (local NGOs, UN). The SDC is another important partner in the field.</p> <p>* Frequent level of intervention: communities affected by disasters. DRR activities take place at regional/national level, however but start in long-term development projects (foresight) and can be closely interlinked with health projects.</p>										
Countries/regions	Ongoing DRR activities in: Ethiopia, Egypt, El Salvador, Honduras, Haiti, Paraguay, Nepal, Pakistan, Vietnam, Laos. Planned in: Bolivia, Ecuador, Bangladesh, Cambodia, Bhutan, Kyrgyzstan, Sudan, South Sudan, Ghana, Mali, Togo.										
Networks	Swiss NGO DRR Platform, SDC DRR Network, international Red Cross and Red Crescent movements										

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:

empty: no activities in this field

+: some activities in this field

++: focus of the institution's DRR/CCA activities

Institution Profiles

Steinmann Advice and Sustainable Risk Solutions

Web	www.linkedin.com/pub/roland-steinmann/26/b03/186										
Type	Consultancy										
Contact	roland.steinmann@gmx.net										
Short Description	<p>Roland Steinmann has been a self-employed consultant specialising in microinsurance since 2007. His main partners and clients are the Microinsurance Centre (www.microinsurancecentre.org) and a small consultancy company (USA), which Roland Steinmann represents in Switzerland. He worked for many years as a property underwriter at Swiss Re (Paris).</p>										
DRR/CCA activities	<p>* Microinsurance: coordination of projects and partners, implementation, feasibility studies, market research, product and process development, courses, publications.</p> <p>* Projects typically aim to develop, in cooperation with different actors, microinsurance products and sales channels and increasing the awareness of clients of risks and the benefits of insurance solutions. This also includes the improvement of the basic conditions for the development of insurance markets, for example in the training of experts and regulation.</p>										
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2. Risk identification and monitoring	+										
3. Awareness-raising and education	+										
4. Risk reduction											
5. Preparation for disaster events	++										
Approaches	Insurance, capacity building, awareness-raising, policy dialogue										
Project partners and target groups	<p>* Donors (often project initiators), insurance sector, development organisations and consultants in industrialised countries.</p> <p>* Local insurers, microcredit banks and NGOs (e.g. as sales partners), regulators and other state institutions in developing countries.</p> <p>* Target group: poorer sectors of the population.</p>										
Countries/regions	Africa and Asia: Armenia, Bangladesh, Bosnia, Ghana, Jordan, Kenya, Mali, Namibia, Philippines, Vietnam, West Bank and others.										
Networks	Microinsurance Network, International Microinsurance Conference										

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:
empty: no activities in this field
+: some activities in this field
++: focus of the institution's DRR/CCA activities

Institution Profiles

Stonestep GmbH

Web	www.stonestep.ch
Type	Consultancy
Contact	brandon.mathews@stonestep.ch

Short Description

Stonestep is a small international consultancy company. Its founder and owner Brandon Mathews coordinated the microinsurance programmes of the Zurich Insurance Group until recently as Head of Emerging Consumer – Microinsurance (see comments). Stonestep will be active as a strategic consultant and provide ad-hoc project support for the Zurich Insurance Group and other customers. Its services include the development of microinsurance projects for and with various partners, e.g. from the insurance industry and microfinance sector.

DRR/CCA activities

- * Focus on issues and solutions regarding the sale and distribution of microinsurance products (one of the bottlenecks/stumbling blocks in the development of such businesses).
- * Insurance programmes which create incentives for the better management of risks at community level through financially attractive offers (e.g. "Conditional Insurance Transfer", in development, similar to Conditional Cash Transfers).
- * Thematic focus (risks/insurance solutions) life insurance, critical illness, hospital daily benefit, weather risks (e.g. El Niño).

Areas of activity (HFA)¹

- | | |
|---|----|
| 1. Policy dialogue, institutional development | ++ |
| 2. Risk identification and monitoring | + |
| 3. Awareness-raising and education | + |
| 4. Risk reduction | |
| 5. Preparation for disaster events | ++ |

Approaches Insurance, capacity building, awareness-raising, policy dialogue

Project partners and target groups

- * In industrialised countries: cooperation with donors, insurers, development organisations (see also clients).
- * In project countries: local insurers, microcredit banks, NGOs and partners along the sales chain for microinsurance products (mortgages, post systems, mobile telephone rental companies etc.), actors from the private sector and regulators and other state institutions.
- * Target group: low-income households.

Countries/regions Latin America, Middle East, north Africa, South Africa

Networks Microinsurance Network, ILO Microinsurance Innovation Facility, Swiss Capacity Building Facility, International Microinsurance Conference

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:
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++: focus of the institution's DRR/CCA activities

Institution Profiles

SUPSI – World Habitat Research Centre WHRC

Web	www.worldhabitat.supsi.ch										
Type	Research and teaching										
Contact	worldhabitat@supsi.ch										
Short Description	<p>The World Habitat Research Centre (WHRC) is an interdisciplinary centre of excellence based at the SUPSI (University of Applied Sciences and Arts of Southern Switzerland) which is involved in research, teaching and consultancy. At the WHRC, experts from various departments of the SUPSI study socio-economic, technical, cultural and environmental aspects of the built environment in developing countries. Disciplinary perspectives: architecture, engineering, urban design, anthropology, public health. Reconstruction following disasters is one of the core competencies of the WHRC, complemented by expertise in associated areas, for example sustainable building, settlement water management and resettlement.</p>										
DRR/CCA activities	<ul style="list-style-type: none"> * The WHRC's activities partly involve humanitarian aid (e.g. reconstruction following disasters), partly embedded in developing projects. Examples of projects: * "Framework for Monitoring and Evaluation (M&E) of Haiti's Neighborhood Return and Housing Reconstruction Program" (consultancy mandate, Haiti, USAID). * "Safer Homes, Stronger Communities: A Handbook for Reconstructing after Disasters" (consultancy mandate, GFDRR). * "Is resettlement a viable strategy to mitigate the risk of natural hazards?" (research project, Armenia, SDC). * Organisation of conference: "International Conference on Sustainable Post-disaster Reconstruction: from Recovery to Risk Reduction" (SUPSI, i-Rec, SDC, SNSF, ICRC and others). 										
Areas of activity (HFA)¹	<table border="0"> <tr> <td>1. <i>Policy dialogue, institutional development</i></td> <td style="text-align: right;">+</td> </tr> <tr> <td>2. <i>Risk identification and monitoring</i></td> <td style="text-align: right;">+</td> </tr> <tr> <td>3. <i>Awareness-raising and education</i></td> <td style="text-align: right;">++</td> </tr> <tr> <td>4. <i>Risk reduction</i></td> <td style="text-align: right;">++</td> </tr> <tr> <td>5. <i>Preparation for disaster events</i></td> <td style="text-align: right;">++</td> </tr> </table>	1. <i>Policy dialogue, institutional development</i>	+	2. <i>Risk identification and monitoring</i>	+	3. <i>Awareness-raising and education</i>	++	4. <i>Risk reduction</i>	++	5. <i>Preparation for disaster events</i>	++
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5. <i>Preparation for disaster events</i>	++										
Approaches	Awareness-raising, capacity building, mainstreaming, targeted/technical DRR, policy dialogue										
Project partners and target groups	<ul style="list-style-type: none"> * The aim is to exploit synergies between applied research, consultancy and teaching, and capacity building with simultaneous intensive international networking. * Working method, levels approached and partnerships similar in part to those of an NGO (backstopping mandate, advocacy, long-term projects with missions in developing countries, field research) and in part to those of a consultancy (technical support, evaluations, cooperation with the private sector). 										
Countries/regions	Albania, Argentina, Armenia, Azerbaijan, Bangladesh, El Salvador, Haiti, India, Indonesia, Nepal, Nicaragua, Pakistan, Philippines, Sri Lanka, Tajikistan										
Networks	<ul style="list-style-type: none"> * i-Rec: International Network for Research and Information on Reconstruction, Shelter Cluster und Shelter Centre. * UN-ISDR (post-HFA). 										

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:
empty: no activities in this field
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++: focus of the institution's DRR/CCA activities

Institution Profiles

Swiss Re – Global Partnerships

Web	www.swissre.com										
Type	Insurance										
Contact	esther_baur@swissre.com										
Short Description	<p>Swiss Re is one of the two major globally-active reinsurers. Its customers include primary insurers, companies and the public sector. Its products include, for example, traditional reinsurance products (property and casualty, and life and health insurance cover for primary insurers), industrial insurance, capital market instruments (e.g. disaster bonds) and other services in the area of risk management.</p>										
DRR/CCA activities	<p>Swiss Re Global Partnerships works on new risk transfer solutions with governments and development organisations. Examples of projects involving cover at state level and microinsurance solutions:</p> <ul style="list-style-type: none"> * FONDEN (Mexico): insurance of a state disaster fund. Traditional insurance and disaster bonds (index-based), in the context of the MultiCat Facility (World Bank). * Agricultural insurance in Vietnam: innovative agricultural insurance based on harvest yields developed in cooperation with the Vietnamese government. * Health microinsurance for poor households (India): state-subsidised primary insurer premiums, Swiss Re offers a re-insurance solution. 										
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1. Policy dialogue, institutional development	++										
2. Risk identification and monitoring	++										
3. Awareness-raising and education	+										
4. Risk reduction											
5. Preparation for disaster events	++										
Approaches	Awareness-raising, capacity building, insurance, policy dialogue										
Project partners and target groups	<ul style="list-style-type: none"> * Public-private partnerships with the SDC, SECO, GIZ, Oxfam America, World Food Programme, World Bank Group, IDB, Syngenta Foundation and others. * Cooperation with primary insurers, industrial concerns and state authorities in developing countries (capacity building, development of solutions, consultative functions, reinsurance contracts). * Cooperation with a very wide range of actors on climate issues and climate policy (see for example, swissre.com/rethinking). 										
Countries/regions	<ul style="list-style-type: none"> * Innovative insurance solutions: Africa, China, India, the Caribbean, Mexico, Pacific region, Turkey and others. * Climate change adaptation studies (ECA) in: China, Guyana, India, the Caribbean, Samoa, Tanzania. 										
Networks	Attendance at conferences: UNISDR, IDRC (GRF Davos; platinum sponsor). Involve in policy dialogue on the topic of climate change, e.g. represented in the Swiss delegation to the UN climate negotiations.										

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+: some activities in this field
++: focus of the institution's DRR/CCA activities

Institution Profiles

University of Basel – Department of Environmental Sciences, Geography/Urban and Regional Studies

Web	www.humgeo.unibas.ch
Type	Research and teaching
Contact	charlotte.ciprian@unibas.ch

Short Description

The Department of Human Geography/Urban and Regional Studies is part of the Department of Environmental Sciences. Thematic focus in research and teaching: urban and metropolitan development in countries of the North and South, regional economic development, location marketing, urban environment and sustainable landscape planning. Disasters and risks in developing countries are a topic in the department's teaching and its (applied) research, primarily in India, under the heading "Risk and Poverty Reduction".

DRR/CCA activities

- * Thematic focus: microdevelopment in urban slums: how households deal with poverty, risks and disasters (including social conflicts).
 - * Applied research in the context of doctoral and masters' theses (preparation in Basel, ca. 1 year, followed by some weeks/months of field work).
 - * Methodological approaches: geographical information systems (GIS), digital image processing, statistics, empirical social and regional research (e.g. surveys).
 - * Examples of projects: "Microinsurance at the Interface between Insurers and Insured Households", "Business and Investment Strategies of Micro Enterprises in Disaster Affected Areas of Gujarat", "Local Adaptive Capacities and Co-Management in Disaster Risk Reduction".
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Areas of activity (HFA)¹

- | | |
|---|----|
| 1. Policy dialogue, institutional development | + |
| 2. Risk identification and monitoring | ++ |
| 3. Awareness-raising and education | ++ |
| 4. Risk reduction | |
| 5. Preparation for disaster events | |
-

Approaches

Awareness -raising, capacity building, policy dialogue

Project partners and target groups

- * Field work projects mostly deal with questions that local partner-NGOs (in the area of community development) would like to have examined by external institutions; such projects and their results are valuable in politics and lobbying.
 - * Point of approach: low-income and highly-vulnerable households.
 - * Partners in India (primarily in Ahmedabad): All India Disaster Mitigation Institute (NGO); Swapath Trust/The AWARE Foundation of Ahmedabad (cooperation in field research, visits by guest lecturers to Switzerland).
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Countries/regions

India, China

Networks

-

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empty: no activities in this field

+: some activities in this field

++: focus of the institution's DRR/CCA activities

Institution Profiles

University of Bern – Centre for Development and Environment CDE

Web	www.cde.unibe.ch
Type	Research and teaching
Contact	info@cde.unibe.ch

Short Description

The CDE is an interdisciplinary and interfaculty centre at the University of Bern. Its thematic focus includes processes of global change, impacts on the environment, economy and society and sustainable development approaches. Most of the centre's research, teaching and consultancy activities relate directly to newly industrialised and developing countries or international cooperation. DRR and CCA implicitly play a major role in many of its activities. The CDE coordinates the NCCR North-South, which includes partners from Switzerland and developing countries, and the International Graduate School (IGS) North-South.

DRR/CCA activities

Sustainable development of natural resources (water, land, ecosystems etc.), in particular in agriculture and in mountain regions. Examples of projects with DRR or CCA components:

- * WOCAT: World Overview of Conservation Approaches and Technologies. Global network and knowledge-management system for sustainable land-use approaches/techniques.
- * DESIRE: Desertification Mitigation and Remediation of Land (EU project).
- * Capacity building in the area of GIS (various countries).

In addition to long-established employees with the corresponding skills and expertise, doctoral and master's students (Swiss and international) represent a large proportion of the human resources which enables the implementation of complex projects and the in-depth processing of issues.

Areas of activity (HFA)¹

- | | |
|---|----|
| 1. Policy dialogue, institutional development | + |
| 2. Risk identification and monitoring | + |
| 3. Awareness-raising and education | ++ |
| 4. Risk reduction | + |
| 5. Preparation for disaster events | + |
-

Approaches	Awareness-raising, capacity building, targeted/technical DRR, policy dialogue
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Project partners and target groups	<ul style="list-style-type: none">* Universities in Switzerland.* Universities and other partners (NGOs, state institutions) in developing countries.* State and, in part, private development organisations (SDC, FOEN, SNF, GIZ, aid organisations).* Multilateral organisations: World Bank, UNFCCC, FAO etc.
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Countries/regions	Extensive participation in global projects. Regional focus points: Andes countries, Central America, South and east Africa, Central Asia, Mekong region.
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Networks	See project partners; in relation to DRR and CCA, in particular with the SDC.
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¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:
empty: no activities in this field
+: some activities in this field
++: focus of the institution's DRR/CCA activities

Institution Profiles

University of Bern – Oeschger Centre for Climate Change Research

Web	www.oeschger.unibe.ch
Type	Research and teaching
Contact	info@oeschger.unibe.ch

Short Description

"The Oeschger Centre for Climate Change research is the centre of excellence for climate change research of the University of Bern. It focuses on interdisciplinary research in the fields of natural, human and social sciences as well as economics and law" (website). Focal areas of research: global climate dynamics and diagnostics, regional climate dynamics (Europe and the Alps), climate risks and natural hazards, economic and societal dimensions of climate change. In addition to interdisciplinary research and leadership of the NCCR Climate (completed in 2012), the Oeschger Centre also operates the "Graduate School of Climate Sciences" (MSc, PhD), participates in international policy dialogue (IPCC) and is involved in public relations work.

DRR/CCA activities

Many of the Oeschger Centre's activities are related to CCA and DRR and of relevance for international cooperation. Examples:

- * Basis for CCA strategies (global, regional): Who faces which climate changes in which regions? Is it a question of variability in the climate or long-term changes? Social and economic consequences? Which adaptation strategies exist and what impacts do they have?
 - * Models: development, application (globally or often transferable to developing countries).
 - * Examples of projects (cooperation with SDC): CLIMANDES (Latin America), Studies on deforestation and flood risks (Nepal, India, Bangladesh).
-

Areas of activity (HFA)¹

- | | |
|---|----|
| 1. Policy dialogue, institutional development | + |
| 2. Risk identification and monitoring | ++ |
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| 4. Risk reduction | |
| 5. Preparation for disaster events | |
-

Approaches	Awareness-raising, capacity building, policy dialogue
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Project partners and target groups	* Cooperation with the SDC, Swiss development organisations etc. on individual projects up to now, however not institutionalised. * Research partnerships with universities (e.g. in Poland on issues surrounding flood protection and the topic of climate change).
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Countries/regions	Bangladesh, India, Nepal, Peru and other South American countries
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Networks	IPCC: various Lead Authors, Thomas Stocker is Co-Director of the Science working group. International Project Office of IGBP-PAGES (Past Global Changes) is located at the Oeschger Centre.
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¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:
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++: focus of the institution's DRR/CCA activities

Institution Profiles

University of Lausanne – Institute of Geomatics and Risk Analysis IGAR

Web	<hr/> www.unil.ch/igar <hr/>										
Type	<hr/> Research and teaching <hr/>										
Contact	<hr/>										
Short Description	<p>The IGAR is part of the Faculty of Geosciences and the Environment of the University of Lausanne (earth and environmental sciences). The institute's thematic focus areas are geomatics (GIS, satellite and aerial photo analysis and modelling) and risk analysis (natural hazards, in particular phenomena in mountain regions, e.g. landslides and floods). Questions relating to DRR are dealt with both in the institute's teaching and research and in (applied) projects. The IGAR is mostly active in Switzerland, but also in Europe and North America, and (increasingly) in newly industrialised and developing countries.</p> <hr/>										
DRR/CCA activities	<p>* Broad range of activities: basic research, services for authorities, model and software development, applied and interdisciplinary projects relating to international cooperation. * International team of researchers (11 nationalities, including Côte d'Ivoire, Myanmar and Tunisia). * Examples of projects: "Sustainable Land Management in Mountain Regions of Bolivia and Nepal in the Context of Outmigration, Climate Change and Disaster Risk Reduction", participation in various interdisciplinary EU projects (Mountain Risks, Safeland, CHANGES).</p> <hr/>										
Areas of activity (HFA) ¹	<table><tr><td>1. Policy dialogue, institutional development</td><td>+</td></tr><tr><td>2. Risk identification and monitoring</td><td>++</td></tr><tr><td>3. Awareness-raising and education</td><td>+</td></tr><tr><td>4. Risk reduction</td><td></td></tr><tr><td>5. Preparation for disaster events</td><td></td></tr></table> <hr/>	1. Policy dialogue, institutional development	+	2. Risk identification and monitoring	++	3. Awareness-raising and education	+	4. Risk reduction		5. Preparation for disaster events	
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3. Awareness-raising and education	+										
4. Risk reduction											
5. Preparation for disaster events											
Approaches	<hr/> Capacity building, policy dialogue <hr/>										
Project partners and target groups	<p>* Swiss authorities in the fields of cartography, GIS, geology and natural hazards. * Similar institutions in other countries. * Research institutes in Switzerland and abroad. * Private sector: engineering practices, insurance companies. * Multilateral institutions (e.g. UNEP, UNDP, IUCN, PEDRR). * International cooperation: joint workshops with the SDC.</p> <hr/>										
Countries/regions	<hr/> Argentina, Bolivia, Guatemala, Nepal, Pakistan <hr/>										
Networks	<hr/> SDC DRR Network IDRC Davos <hr/>										

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++: focus of the institution's DRR/CCA activities

Institution Profiles

University of St. Gallen – Institute of Insurance Economics

Web	www.ivw.unisg.ch
Type	Research and teaching
Contact	ivwhsg@unisg.ch

Short Description

The Institut für Versicherungswirtschaft (Institute of Insurance Economics) is an "innovative, internationally active research, further-training and consultancy company. We promote (...) the dialogue between science, practice and politics". Main areas of research include "insurance economics, in particular in the fields of strategic management, financial management, and sales and marketing" (website). Christian Biener's team researches issues in the area of microinsurance and also provides consultancy services. Some projects touch on insurance solutions for disaster risks.

DRR/CCA activities

* Research for the development of micro-insurance markets from an entrepreneurial and development-economics perspective: different actors' interests in these markets? Challenges?
* Examples of projects: "Experimental Studies in Microinsurance Markets" (basic research), "Microinsurance and Efficiency in the Insurance Industry" (basic research), "Strategic Outcome Monitoring Concept for the RIICE Programme" (consultancy), "Natural Disaster Microinsurance for Rural El Salvador" (consultancy).

Areas of activity (HFA)¹

1. Policy dialogue, institutional development
 2. Risk identification and monitoring
 3. Awareness-raising and education +
 4. Risk reduction
 5. Preparation for disaster events ++
-

Approaches	Capacity building, insurance
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Project partners and target groups	* Consultancy mandates and research: cooperation with different institutions and projects, e.g. Chair of Econometrics, University of Mannheim (D), NADEL (CH), Fundamicro (El Salvador), RIICE project (different countries). The IVW fulfils a primarily supervisory or support function in microinsurance projects. * Results of research projects are mainly aimed at international academic communities and the insurance sector.
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Countries/regions	* Switzerland, multinationals * Developing and newly-industrialised countries: El Salvador, Philippines
-------------------	--

Networks	* International Microinsurance Conference, academic conference
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¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:
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+: some activities in this field
++: focus of the institution's DRR/CCA activities

Institution Profiles

University of Zurich - Department of Geography GIUZ

Web	www.geo.uzh.ch
Type	Research and teaching
Contact	-

Short Description

The key topics of research and teaching at the GIUZ are: globalisation, climate change (climate impacts and risks), glaciology, development and biodiversity. "Close cooperation with private and public organizations ensures that their [i.e. the institute's geographers'] findings have real societal benefits" (website). Activities relating to DRR, CCA and microinsurance are institutionalised in part and processed in part in individual research projects. What is often involved are development projects with key research components which are implemented jointly with the SDC, NGOs, Swiss universities and local partners from research and practice. The GIUZ is also involved in the IPCC.

DRR/CCA activities

The GIUZ's institutionalised activities in the areas of DRR/CCA are rooted in physical geography. Hazard processes and climate changes in (high) mountain regions is one thematic focus. Selected project examples:

- * "Programa de Adaptación al Cambio Climático" (PACC, Peru): initiated by the SDC and the Peruvian environment ministry, project management in Peru through Helvetas, scientific partner from Switzerland and in Peru. Topics: DRR, water management, food security.
- * "HighNoon: adaptation to changing water resources availability in northern India with Himalayan glacier retreat and changing monsoon pattern": EC/FP7, Uni Genf.
- * "Index Insurance as Development Model and Emerging Market: Climate Adaptation and the Making of Risk-Bearing Subjects" (post-doc research project, economic geography).

Areas of activity (HFA)¹

1. Policy dialogue, institutional development	+
2. Risk identification and monitoring	++
3. Awareness-raising and education	++
4. Risk reduction	++
5. Preparation for disaster events	+

Approaches	Capacity building, targeted/technical DRR, insurance, policy dialogue
Project partners and target groups	<p>* In Switzerland: WSL, University of Bern, University of Geneva, Swiss Federal Institute of Technology Lausanne (EPFL) (also some European institutes).</p> <p>* In project countries: NGOs (e.g. Helvetas, Care; often as project manager) and state organisations and universities; in the context of university-based capacity building, the aim is to involve local experts, including in scientific publications and conference contributions.</p> <p>* Key partners in project countries who ensure implementation and continuity on completion of the Swiss participation: ministries, universities, meteorological services etc.</p>
Countries/regions	India, Kyrgyzstan, Colombia, Nepal, Peru, Russia
Networks	<p>IPCC, IDRC</p> <p>SDC Network Climate Change & Environment</p>

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Institution Profiles

WSL – Swiss Federal Institute for Forest, Snow and Landscape Research

Web	www.wsl.ch
Type	Research and teaching
Contact	wslinfo@wsl.ch

Short Description

The WSL is a federal research centre and part of the ETH Domain (the Institute for Snow and Avalanche Research SLF is part of the WSL). The WSL's central topics include the sustainable use of the environment and resources, natural hazard management and, accordingly, issues concerning climate change. The WSL works on the principles and application of Swiss environmental policy. Activities: consultancy, teaching and education, applied research and development and basic research with an international reach. The WSL is also active in newly industrialised and developing countries on a project basis.

DRR/CCA activities

- * In the area of natural hazards thematic focus on mountain-specific phenomena.
 - * Test facilities for avalanche dynamics, rockfall barriers, forestry and hydrology etc. both in the field and in the laboratory.
 - * Models for hazard processes (software development, e.g. RAMMS, training): flooding, avalanches, rockfall etc.
 - * Climate change: impacts on forests and water, in particular the use of these resources.
 - * In international cooperation: transfer of expertise from Switzerland (works well in the area of natural hazards; more difficult in the area of climate as modes are region-specific).
 - * Examples of projects: avalanche warning (India), flood forecasting (China).
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Areas of activity (HFA)¹

1. Policy dialogue, institutional development	+
2. Risk identification and monitoring	++
3. Awareness-raising and education	++
4. Risk reduction	+
5. Preparation for disaster events	+

Approaches

Capacity building, targeted/technical DRR, policy dialogue

Project partners and target groups

- * In accordance with service mandate primarily focused on Switzerland, in part with international orientation.
 - * Activities in newly industrialised and developing countries on request, person and project-related, however not institutionally rooted in the WSL.
 - * Often direct, bilateral cooperation with local institutions on request/initiative (research, teaching, authorities with DRR tasks).
 - * Education and training, exchange of experience, capacity development, joint research projects.
-

Countries/regions

Bolivia, Bhutan, Chile, China, India, Colombia, Peru, Russia, Ukraine

Networks

- * Specialist international conferences
 - * IPCC (Konrad Steffen: Lead author of the Cryosphere chapter)
-

¹ Allocation of activities to the five priorities of the Hyogo Frameworks for Action (HFA); three-stage scale:
empty: no activities in this field
+: some activities in this field
++: focus of the institution's DRR/CCA activities

Institution Profiles

Zenklusen Risk Solutions

Web	-
Type	Consultancy
Contact	zenklusen@fairtradeinsurance.net

Short Description

Zenklusen Risk Solutions is a sole proprietorship run by Oliver Zenklusen. Areas of specialisation: risk management, economics of disasters, microinsurance. Mr Zenklusen is active in both applied research and teaching and is a co-founder of the Fair Trade Insurance Initiative. Around half of the company's projects are in the area of international cooperation. Mr Zenklusen was previously the co-managing director of a consultancy company whose activities were focused on risk management and corporate sustainability; it carried out projects for international business banks, the World Bank Group and multilateral organisations.

DRR/CCA activities

- * Economics of disasters and climate change: analysis of risks and impacts, cost-benefit approaches. Project Example: "Measuring the costs of disasters" (IRSN, France).
 - * Risk financing model (e.g. microinsurance and agricultural development): development of solutions with partners, pilot tests and evaluation. Examples of projects carried out by the Fair Trade Insurance Initiative: Scoping Study (SECO), pilot test Brazil (Bread for all).
 - * Consultancy in the development of solutions; project reviews and evaluations : elements of risk management, microinsurance projects etc. Example of project: member of review team of the MicroInsurance Centre (USA).
 - * Applied contract research, synthesis and overview studies, feasibility assessments, multidisciplinary approaches and transfers between practice and research.
-

Areas of activity (HFA)¹

- | | |
|---|----|
| 1. Policy dialogue, institutional development | |
| 2. Risk identification and monitoring | + |
| 3. Awareness-raising and education | ++ |
| 4. Risk reduction | + |
| 5. Preparation for disaster events | + |
-

Approaches	Capacity building, mainstreaming, insurance
Project partners and target groups	* Teaching and training: ETH students, employees of international organisations, banks and insurance companies in newly industrialised and developing countries. * Microinsurance projects: small farmers and cooperatives, exporters and importers, traders in Switzerland, global certifiers (organic agriculture, Fairtrade), insurers in newly industrialised and developing countries. * Consultancy mandates, contract research, studies, evaluations: state and multilateral organisations, private sector.

Countries/regions Armenia, Brazil, Egypt, Ethiopia, Mexico, Peru

Networks

-

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Institution Profiles

Zurich Insurance Group

Web	<hr/> www.zurich.com <hr/>										
Type	<hr/> Insurance <hr/>										
Contact	<hr/> corporate.responsibility@zurich.com <hr/>										
Short Description	<p>Zurich Insurance Group (Zurich) is one of the largest international primary insurers in the world with activities in over 170 countries. The products and services provided include property and life insurance for individuals, small, medium and large companies and multinational concerns. Zurich was one of the pioneers in the area of microinsurance projects (PPP with the SDC). Today, DRR activities are focused in newly industrialised and developing countries on the "Zurich Flood Resilience Program", which was launched in 2013 through an alliance with the IFRC.</p> <hr/>										
DRR/CCA activities	<p>The aim of the "Zurich Global Flood Resilience Program" is to find innovative ways of minimising the consequences of floods for communities and states. The focus is on floods as these disasters affect the biggest number of people and cause the most damage, and the trend is upward. In Zurich's view too little is invested in foresight and that this would yield high cost-benefits. For this reason, it focuses its activities on foresight. The programme aims to help with the development of solutions, building local capacities and making the expertise gained generally accessible. In addition the contribution insurance solutions can make to dealing with flood risks will be examined in the context of the programme.</p> <hr/>										
Areas of activity (HFA) ¹	<table><tr><td>1. Policy dialogue, institutional development</td><td>+</td></tr><tr><td>2. Risk identification and monitoring</td><td>++</td></tr><tr><td>3. Awareness-raising and education</td><td>++</td></tr><tr><td>4. Risk reduction</td><td>+</td></tr><tr><td>5. Preparation for disaster events</td><td>+</td></tr></table> <hr/>	1. Policy dialogue, institutional development	+	2. Risk identification and monitoring	++	3. Awareness-raising and education	++	4. Risk reduction	+	5. Preparation for disaster events	+
1. Policy dialogue, institutional development	+										
2. Risk identification and monitoring	++										
3. Awareness-raising and education	++										
4. Risk reduction	+										
5. Preparation for disaster events	+										
Approaches	<hr/> Awareness-raising, targeted/technical DRR, capacity building, policy dialogue <hr/>										
Project partners and target groups	<hr/> * IFRC (alliance with Zurich) and national Red Cross societies (local implementation of projects in cooperation with Zurich subsidiaries in the project countries, support from head office. * Practical Action (NGO) * Other cooperation with universities * Collaborations with state and international organisations * Primary level of approach for first projects: communities. <hr/>										
Countries/regions	<hr/> Mexico, Nepal, Bangladesh; projects in other countries in planning <hr/>										
Networks	<hr/> NGOs and humanitarian organisations, joint presentation by Zurich-IFRC-UNDP at the UN-ISDR Global Platform in Geneva. <hr/>										

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