

# **SOURCES**

The wheel wasn't reinvented in drawing up the methods for the climate proofing: rather, many existing initiatives and experiences were used and the work of Welthungerhilfe was further developed. The methods taken into consideration are shown in the following literature, as well as in relevant conceptual and political documents. Overviews of additional methods and instruments are, for instance, contained in OECD (2009), page 183-184 or in the GIZ documentation on the International Workshop on Mainstreaming Adaptation to Climate Change (GTZ 2009a).

Five documents were particularly helpful for developing the methodology, and consequently special reference should be made to them:

The OECD Policy Guidelines from 2009 provide the conceptual basis, because they provide a detailed presentation of how climate change is taken into consideration in development cooperation and they are recognised both internationally and by Welthungerhilfe as a conceptual basis.

With regard to the methods particular attention is drawn to the following four: the method developed by Tearfund CEDRA (Tearfund 2009), the GIZ instrument Climate Proofing (GTZ 2010), the Guidance Notes for Mainstreaming Adaptation to Climate Change in Agriculture and Natural Resources Management Projects of the World Bank (Worldbank o.J.) and the CARE handbook Climate Vulnerability and Capacity Analysis (CARE 2008). The presentations from Tearfund, GIZ and the World Bank are related to the project level and – like Welthungerhilfe – are therefore oriented to the project planning process. Tearfund and the World Bank also have a similar specialist focus to Welthungerhilfe, and were therefore above all helpful for presentations on agriculture and resource management. In contrast the Climate Proofing methods of GIZ are based on political regulations from the German Federal Ministry for Economic Cooperation and Development (BMZ), which are also relevant for Welthungerhilfe since the BMZ is a donor, and insofar these regulations were an important reference. Finally the CARE handbook was above all important because of its very good presentation at the community level: The description of the participative methods relevant for the climate proofing in Module D are primarily based on the CARE handbook.

# E.1 Bibliography

ADB (2005) Climate Proofing. A Risk-based Approach to Adaptation. Manila.

**Birkmann, J. (2011):** First and Second Order Adaptation to Natural Hazards and Extreme Events in the Context of Climate Change. Natural Hazards (in print)

BMZ (2009) Leitlinie für die Klimaprüfung in der Entwicklungszusammenarbeit.

**BMZ (2009)** Strategie zur Anpassung der Entwicklungsländer an den Klimawandel, draft from July 2009.



**Bündnis Entwicklung hilft (2010)** Concept for a World Risk Index. Exposure to Natural Hazards, Vulnerability and Adaptation. Draft November 2010.

**CARE (2009)** Climate Vulnerability and Capacity Analysis. Handbook. www.careclimatechange. org

**CPWC/MER (2009)** Integrated Water Resources Management and Stategic Environmental Assessment – Joining forces for climate proofing. http://www.worldwatercouncil.org/fileadmin/wwc/Library/Publications\_and\_reports/Climate\_Change/PersPap\_16.\_IWRM\_and\_SEA.pdf

**Cutter, Susan amongst others (2009)** When do losses count? Six Fallacies of Natural Hazards Loss Data. American Meteorological Society, June 2009. http://journals.ametsoc.org/doi/pdf/10.1175/2008BAMS2721.1

**Deutsche Anpassungsstrategie an den Klimawandel**, concluded by the German Federal Cabinet on 17.12. 2008 http://www.bmu.de/klimaschutz/downloads/doc/42783.php

**Dikau, Richard und Jürgen Weichselgartner (2005)** Der unruhige Planet. Der Mensch und die Naturgewalten. Darmstadt.

**DKKV (2009)** Addressing the Challenge: Recommendations and Quality Criteria for Linking Disaster Risk Reduction and Adaptation to Climate Change. DKKV punlication series No 38. Bonn. http://www.dkkv.org/de/ressource.asp?ID=282

**European Commission (2009)** Adapting to climate change: Towards a European Framework for Action. White Paper. Brussels. http://eur-lex.europa.eu/LexUriServ/LexUriServ.do? uri=COM:2009:0147:FIN:EN:PDF

**GTZ (2004)** Risikoanalyse – eine Grundlage der Katastrophenvorsorge. Handout. Eschborn. The handout can be downloaded in German, English and Spanish at http://www.gtz.de/de/ themen/uebergreifende-themen/krisenpraevention/21699.htm

**GTZ** (2008) Klimawandel und Capacity Development. Eschborn. http://www.gtz.de/de/ dokumente/de-klima-wandel.pdf (German) and http://www.gtz.de/de/dokumente/en-climate -change.pdf (English)

**GTZ (2009)** Climate Change Information for Effective Adaptation. A Practitioner's Manual. Eschborn. http://www.gtz.de/de/themen/29037.htm (you can find the document under "publications" p. 5; No 42.)

**GTZ (2009a)** International Workshop on Mainstreaming Adaptation to Climate Change. Guidance and Tools. Berlin 28th – 30th, 2009. Eschborn. http://www.gtz.de/de/dokumente/ en-climate-mainstreaming-adaptation-workshop-report.pdf

GTZ (2009b) Running dry? Climate change in drylands and how to cope with it. Eschborn.

**GTZ (2010)** Climate Proofing for Development. Adapting to Climate Change, Reducing Risk. Eschborn. http://www2.gtz.de/dokumente/bib-2010/gtz2010-0714en-climate-proofing.pdf

**IDS (2007)** ORCHID: Climate Risk Screening in DFID India. Technical Appendix. Brighton. http://www.ids.ac.uk/index.cfm?objectid=1A737E86-E76E-4970-7D1BCCF20403B9A6



**IFRC (2008)** Early warning > Early action. Geneva. http://www.climatecentre.org/downloads/ File/reports/Early%20Warning%20Early%20Action%202008.pdf

**IFRC (2009)** World Disaster Report 2009. Focus on early warning, early action. Geneva. http://www.ifrc.org/Global/Publications/disasters/WDR/WDR2009-full.pdf

INGC (2009) Study on the impact of climate change on disaster risk in Mozambique. Synthesis Report. Maputo. http://www.irinnews.org/pdf/Synthesis\_Report\_Final\_Draft\_ March09.pdf

**IPCC (2007)** Climate Change 2007: Synthesis Report. Summary Report. An Assessment of the Intergovernmental Panel on Climate Change. Geneva. http://www.ipcc.ch/pdf/assessment-report/ar4/syr/ar4\_syr\_spm.pdf

**OECD** (2009) Integrating Climate Change Adaptation into Development Co-operation. Policy Guidance. Paris. http://www.oecd.org/document/40/0,3343,en\_2649\_34421 \_42580264\_1\_1\_1\_100.html

**PIK amongst others (2010)** Global aber gerecht. Klimawandel bekämpfen, Entwicklung ermöglichen. Munich.

Red Cross/ Red Crescent (2007) Climate Guide. http://www.climatecentre.org/downloads/ File/reports/RCRC\_climateguide.pdf

**Tearfund (2009)** Climate change and Environmental Degradation Risk and Adaptation Assessment (CEDRA) http://tilz.tearfund.org/webdocs/Tilz/Topics/Environmental%20 Sustainability/CEDRA%20D5.pdf

Umweltbundesamt (2010) Klimalotse. Leitfaden zur Anpassung an den Klimawandel. http:// www.klimalotse.anpassung.net/cln\_095/klimalotse/DE/02\_Intensivdurchlauf/0\_home/ home\_node.html

**UNEP (2009)** IEA Training Manual. Volume Two. Vulnerability and Impact assessment for Adaptation to Climate Change. http://www.unep.org/pdf/IEA\_climate\_change.pdf

**UN-HABITAT (2010)** Land, Environment and Climate Change. Challenges, responses and tools. Kenya.

**USAID** (2007) Adapting to Climate Variability and Change: A Guidance Manual for Development Planning. Washington.

**Welthungerhilfe (2008)** Guidelines Outcome and Impact Orientation in the projects and programmes of Welthungerhilfe. Bonn.

Part I: Background information and definitions

Teil II: Outcome and impact orientation step by step

Teil III: Instruments and Methods

**Welthungerhilfe (2010)** Strategy paper The Challenge of Climate Change. Policy Recommendations. Bonn. February 2010.

**Worldbank (n.d.)** Mainstreaming Adaptation to Climate Change in Agriculture and Natural Resources Management Projects.



Guidance Notes 3 Climate Risk Assessment Guidance Notes 6 Identifying Appropriate Adaptation Measures to Climate Change Guidance Notes 7 Evaluate Adaptation via Economic Analysis http://beta.worldbank.org/climatechange/content/mainstreaming-adaptation-climatechange-agriculture-and-natural-resources-management-project

# E.2 Websites

Climate Change Assessment through Integrated Risk Reduction (CCAIRR) from the International Global Change Institute (IGCI): http://www.waikato.ac.nz/igci/expertise/ccairr.htm

Climate Change Data Portal of the World Bank with World Bank Assessment and Design for Adaptation to Climate Change (ADAPT), an internet-based instrument for an initial estimate of the risk of projects in various sectors and different regions: http://sdwebx.worldbank.org/ climateportal

Climate Service Center Germany: http://www.climate-service-center.de

Deutsches Komitee Katastrophenvorsorge (DKKV): http://www.dkkv.org

European Commission Climate Action: http://ec.europa.eu/clima/policies/brief/eu/index\_ en.htm

IISD/IUCN et al. Community-based Risk Screening Tool – Adaptation & Livelihoods (CRISTAL): http://www.cristaltool.org

International Research Institute for Climate and Society (IRI): http://portal.iri.columbia. edu/portal/server.pt

International Strategy for Disaster Reduction (ISDR): http://unisdr.org

Climsystems software program for exploring plant, soil and climate relationships (PlantGro): http://www.climsystems.com/plantgro

Climsystems integrated modelling system for assessing climate change impacts and adaptation (SimClim), focussing on water, agriculture, health, ecosystems and coastal zones: http://www.climsystems.com/simclim/

Preventionweb: http://www.preventionweb.net/english/

Red Cross/ Red Crescent Climate Center: http://www.climatecentre.org

Reducing Emission from Deforestation and Degradation (REDD) Programme: http://www.un-redd.org

United Nations Framework Convention on Climate Change (UNFCCC): http://unfccc.int

World Climate Research Programme (WCRP): http://wcrp.ipsl.jussieu.fr/SF\_RCMTerms.html