

ICRISAT's Action Pledge

ICRISAT's action pledge is based on a range of on-going climate risk and adaptation projects in the semi-arid tropics of Sub-Saharan Africa and Asia, namely:

Lead Center (LC) is identified.

Project title	Project output and date	Project partners
<i>"Making the best of climate: Adapting agriculture to climate variability"</i> <u>Funding agent:</u> EU through ASARECA CGS.	2009: Innovative strategies for enhancing mitigation of, recovery from, and resilience to climate induced crisis affecting smallholder farmers in the SAT of <i>Kenya, Madagascar and Ethiopia</i> available to farmers and their support agents.	ICRISAT, IRI Univ. Nairobi (LC), KMD, ICPAC, EARO, FOFIFA, SOMEAH
<i>"An aflatoxin risk early warning system to improve nutrition, health and income in west African smallholder farms."</i> <u>Funding agent:</u> CIDA/CCLF	2009: A climate-based aflatoxin risk early warning system developed to improve the nutrition, health and income of <i>West African</i> smallholder farmers.	ICRISAT (LC), AGRHYMET IER-Mali, SARI-Ghana, Univ. of Sherbrooke and Uiv Florida
<i>"Legume diversification in tobacco systems. Climate risk and market opportunities"</i> <u>Funding agent:</u> IDRC – Research in Tobacco Control.	2009: The capacity of the National Smallholder Farmers' Association of Malawi (NASFAM) to use climate risk analyses to evaluate and target legume diversification strategies in tobacco producing systems in <i>Malawi</i> enhanced.	ICRISAT, Reading University NASFAM (LC), Malawi Met. Services
<i>"Building adaptive capacity to cope with increasing vulnerability due to climate change"</i> <u>Funding agent:</u> IDRC/DfID CCAA.	2009: Educational, research and extension competencies to develop strategies that help rural communities adapt to climate variability and change enhanced in <i>Zambia and Zimbabwe</i> .	ICRISAT, CIAT and ZMD Midlands State University, (LC), CARE, Dunavant Cotton, CSIRO, ARES, ASP
<i>"Managing uncertainty: Innovation systems for coping with climate variability and change"</i> <u>Funding agent:</u> AfDB through ASARECA CGS.	2010: Coping with risks and realizing opportunities associated with climate variability and change enhanced through appropriate strategies and institutional innovation in <i>Uganda, Sudan, and four other selected countries in ECA</i> .	ICRISAT (LC), CIAT, ICRAF, Reading Univ. ASARECA Networks, ILRI, ARC-Sudan, NARO-Uganda
<i>"Managing risk, reducing vulnerability and enhancing productivity under a changing climate"</i> <u>Funding agent:</u> IDRC/DfID CCAA.	2012: The impacts of climate induced crises mitigated and resilience improved through the adoption, by small-scale farmers, of innovative strategies that reduce climate risk and manage vulnerability in <i>Tanzania, Kenya, Ethiopia, Eritrea and Sudan</i> .	ICRISAT, ASARECA-SWMNet. Sokoine University of Agriculture, Tanzania (LC)
<i>"Vulnerability to climate change: Adaptation strategies and layers of resilience "</i> <u>Funding agent:</u> AsianDB	2012: Provide science-based solutions and pro-poor approaches for adaptation of agricultural systems to climate change for the rural poor and most vulnerable farmers in semi-arid regions of Asia, specifically <i>India, Peoples' Republic of China (PRC), Sri Lanka, Bangladesh, and Pakistan</i> .	ICRISAT (LC), CRIDA in India; Chinese Academy of Agricultural Sciences and Guizhou Academy of Agricultural Sciences in PRC; Center for Policy Dialogue in Bangladesh; CARP in Sri Lanka; Pakistan Agricultural Research Council and CLAN
<i>Community management of crop diversity to enhance resilience, yield stability and income generation in changing West African climates</i> <u>Funding Agent:</u> <u>BMZ</u>	2012: To enhance farm community resilience, production stability and income generation in West Africa (<i>Niger, Burkina Faso, Mali and Ghana</i>) under variable and changing climates by enriching agro-biodiversity management across a climatic gradient.	ICRISAT (LC), Univ. of Hohenheim, farmers organizations and NGOs, IER, Mali; INERA, Burkina Faso; INRAN, AGRHYMET, Niger; SARI, Ghana

These collaborative projects on climate risk and adaptation focus on mitigating the impact of current and future climate-induced production risk and improving the livelihood resilience of farming communities in the semi-arid tropic of Africa and Asia and contribute to key components of both the sub-themes of the Nairobi Work Programme through:-

a) Impacts and vulnerability

(i) Promoting development and dissemination of methodologies and tools for impact and vulnerability assessments, such as rapid assessments and bottom-up approaches, including as they apply to sustainable development;

(ii) Improving collection, management, exchange, access to and use of observational data and other relevant information on current and historical climate and its impacts, and promoting improvement of observations, including the monitoring of climate variability;

(iii) Promoting understanding of impacts of, and vulnerability to, climate change, current and future climate variability and extreme events, and the implications for sustainable development;

(b) Adaptation planning, measures and actions

(i) Promoting research on adaptation options and the development and diffusion of technologies, know-how and practices for adaptation, particularly addressing identified adaptation priorities and building on lessons learned from current adaptation projects and strategies;

(ii) Facilitating communication and cooperation among and between Parties and relevant organizations, business, civil society and decision makers, and other stakeholders;

(iii) Promoting understanding and the development and dissemination of measures, methodologies and tools including for economic diversification aimed at increasing economic resilience and reducing reliance on vulnerable economic sectors.