



## Action pledge to the Nairobi work programme

<b>Name of the project</b>	<b>Monitoring and production of strategic plans for plant genetic resources for food and agriculture based on poor farmer's agricultural practices to climate variability.</b>
<b>Overall objectives</b>	<ul style="list-style-type: none"> <li>• Contribute to NWP areas of work related to “Methods and tools” (1) and “Adaptation planning and practices” (6).</li> <li>• Improve data and information of the impacts of climate change on poor farmers by monitoring, collecting, analysing on their autonomous agricultural practices with drought resistant and saline tolerant wild cereals for climate variability adaptation in drought affected countries (such as Niger, Chad, Sudan, Burkina).</li> </ul>
<b>Project purpose</b>	<ul style="list-style-type: none"> <li>• Identify indigenous locally-adapted crop species characteristics, land management and agrometeorological vulnerabilities adapted to climate changes, in order to identify best adaptation options.</li> <li>• Identify threat and monitor adapted response to climate variability by developing best strategic plans for affected farmers and by setting-up a national updatable data.</li> </ul>
<b>Activities</b>	<p>1) Phase 1: Methodology and information collection</p> <ul style="list-style-type: none"> <li>• Set up a scientific methodology to conduct a survey on relevant local farmers information, on historical climate, agricultural and economic data and their direct linkage.</li> <li>• Realize field collection to identify agrometeorological vulnerabilities and locally adapted methods, tools, species, agricultural practices and land management.</li> <li>• Identify threats, areas, people who could be endangered by climate changes.</li> <li>• Set up national updatable data collection on collected information, linked with vulnerable agricultural practices and inherent economic threats within national concerned Ministry and national research center.</li> </ul> <p>2) Phase 2: Monitoring and production of strategic plans</p> <ul style="list-style-type: none"> <li>• Develop decision support matrixes for evaluating indigenous data collection through scientific expertise.</li> <li>• Select and multiply most promising crop varieties adapted or resistant to adverse conditions (drought, floods, soil salinity...) with international and national laboratory.</li> <li>• Identify and develop best practices options to be duplicated at a larger scale.</li> <li>• Develop innovative technics adapted to farmers requirement.</li> </ul>
<b>Expected results</b>	<ul style="list-style-type: none"> <li>• A methodology has been adopted by scientific committees to ensure relevant data collection to identify strategies for climate change adaptation.</li> <li>• Collection of the baseline dataset is completed and regularly updated.</li> <li>• Scientific analysis and decision support matrixes have furnished complete and optimal selection of locally adapted methods, tools, agricultural practices and land management.</li> <li>• Threatened people, areas and agricultural practices are identified.</li> <li>• Several adapted to climate changes species have been selected and multiplied.</li> </ul>
<b>Indicators of Achievement</b>	<ul style="list-style-type: none"> <li>• Number of potential solution that has been identified from farmers.</li> <li>• A great database is available that contains scientific information and indigenous knowledge that are relevant to enhance resilience to face climate changes.</li> <li>• Number of scientific and farmers involved.</li> </ul>