

## Re: Response to NOTIFICATION – Decision X/16 on Technology transfer and cooperation

In response to the call to submit to the Executive Secretary information on activities being undertaken which support, facilitate, regulate or promote technology transfer and scientific and technological cooperation of relevance to the Convention, Bioversity International wish to report the following:

### i) Support for technology needs assessments and regulations

Activity	Description and key findings	Recommendations
Assessment of agrobiodiversity in higher education curricula in selected countries Sub-Saharan Africa, Meso America and Southeast and East Asia	<ul style="list-style-type: none"> <li>• Three regional workshops held in 2009 and 2010</li> <li>• Agrobiodiversity rarely taught as a stand-alone course or programme</li> <li>• Low awareness among lecturers</li> </ul>	<ul style="list-style-type: none"> <li>• Integration of agrobiodiversity into existing courses and programmes</li> <li>• Entry points for such integration identified</li> <li>• Develop a curriculum guide on agrobiodiversity</li> </ul>

### ii) Pertinent capacity building and training courses

Activity	Description and key findings	Recommendations
Building capacity for research on the conservation and use of Neglected and Underutilized Species of crops in West Africa, and Eastern and Southern Africa (Supported by EU-ACP 2009-2012)	<ul style="list-style-type: none"> <li>• Training courses on research methods, value chain analysis, and food systems</li> <li>• 50 young scientists trained in 2010</li> <li>• Five courses planned for 2011, reaching 125 trainees</li> <li>• Three courses planned for 2012</li> </ul>	<ul style="list-style-type: none"> <li>• High demand for courses offered in 2010, showing needs for increased investment in training for such research</li> </ul>

### iii) Pertinent seminars and symposia

Activity	Description and key findings	Recommendations
Pan-African Conference on Neglected and Underutilized Species research and development (co-supported by EU-ACP 2009-2012)	<ul style="list-style-type: none"> <li>• International symposium scheduled to 3<sup>rd</sup> quarter of 2012</li> </ul>	<ul style="list-style-type: none"> <li>• Explore partnerships for co-financing</li> </ul>

iv) Information dissemination

Activity	Description and key findings	Recommendations
e-learning course on 'Pre-breeding for Effective Use of Plant Genetic Resources', launched in 2011	<ul style="list-style-type: none"><li>• Five Units cover a range of theoretical and practical topics from the basic concepts and applications of pre-breeding to germplasm distribution and regulatory issues</li><li>• Targeted to plant breeders and genebank managers</li></ul>	<ul style="list-style-type: none"><li>• Marketing of the self-learning course at international events</li></ul>

<p>'Training Manual on Spatial Analysis of Plant Diversity and Distribution', launched in 2011</p>	<ul style="list-style-type: none"> <li>• A manual for those who work with biodiversity data to develop skills to carry out spatial analysis based on (free) GIS applications with a focus on diversity and ecological analyses. Provides specific exercises with real project data.</li> <li>• Analyses offer a better understanding of spatial patterns of inter-specific and intra-specific plant diversity and distribution, helping to improve conservation efforts. Focuses on plants of interest for improving livelihoods (e.g. crops, trees and crop wild relatives) and/or those which are endangered.</li> </ul>	<ul style="list-style-type: none"> <li>• Marketing of the course at international events.</li> <li>• Use by researchers to enhance characterization of diversity efforts</li> </ul>
<p>The International Treaty on Plant Genetic Resources for Food and Agriculture: Implementing the Multilateral System - Learning Module, launched in late 2010.</p>	<ul style="list-style-type: none"> <li>• A module for professionals who work in plant genetic resources to understand the impact and working of the multilateral system of access and benefit-sharing of the International Treaty and to use its standard material transfer agreement (SMTA) to enhance transfer of plant genetic resources.</li> <li>• Contains background lecture notes, PowerPoint presentations, practical interactive exercises, references to relevant laws and policies with links to the documents and a bibliography for further reading.</li> </ul>	<ul style="list-style-type: none"> <li>• A tool to aid those responsible for implementation of the multi-lateral system of the International Treaty in national law and policy to create awareness and understanding. For use in national or regional awareness raising consultations or training workshops.</li> <li>• Marketing of the course at relevant international events.</li> </ul>

v) Other activities of relevance to the conventions

Activity	Description and key findings	Recommendations
North-South and South-South institutional partnerships between Bioversity International, International Foundation for Science (IFS) two educational networks in Africa (ANAFE and RUFORUM) and national universities/research institutes in Benin, Ghana, Kenya, Malawi.	<ul style="list-style-type: none"> <li>• Regional priority setting for research on underutilized species in West Africa and Eastern/Southern Africa</li> <li>• Educational networks have policy influence and are good mechanisms for knowledge sharing</li> </ul>	<ul style="list-style-type: none"> <li>• Use existing mechanisms for capturing new opportunities</li> </ul>