



SADC Crop Wild Relatives

In Situ Conservation and Use of Crop Wild Relatives in three ACP countries of SADC region

Regional training workshop

'In situ conservation of CWR including diversity assessment techniques'

Le Meridien Ile Maurice, Mauritius

Monday 10th – Thursday 13th November 2014



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Rationale

Crop wild relatives (CWR) are wild species that are closely related to crops (including crop progenitors) and can broadly be defined as species belonging to the same genera as crops. CWR populations are potential sources of traits beneficial to crops, such as pest or disease resistance, yield improvement, or tolerance of abiotic stresses such as drought, heat or flooding—adaptive traits which are particularly important for providing crop stability in the rapidly changing environmental conditions brought about by climate change. CWR are not adequately conserved, either *in situ* (in their natural habitats) or *ex situ* (in gene banks) and national strategies are required to systematically address their conservation and to enhance their sustainable use.

This workshop aims to strengthen the scientific capacities in the SADC region to address *in situ* conservation of CWR and equip participants with the necessary knowledge to develop CWR National Strategic Action Plans (NSAPs).

Workshop objectives

1. To strengthen capacities in the SADC region in planning and managing *in situ* conservation of CWR, namely in:
 - Creating CWR checklists and inventories;
 - Prioritization of CWR for conservation;
 - Conservation status assessment of priority CWR
 - Implementation of conservation priorities;
 - Relevant policy for the conservation of CWR.
2. To promote the use of the FAO *Resource Book for the Preparation of National Plans for Conservation of Crop Wild Relatives and Landraces*
3. To initiate the process of producing NSAPs for the *in situ* conservation of CWR.

Workshop organizers

- University of Mauritius
- Bioversity International
- The University of Birmingham

Programme summary

Monday 10th November:

Morning

- Official opening ceremony
- Introduction
- Identification and prioritization of CWR

Afternoon

- Diversity analysis of priority CWR

Tuesday 11th November:

Morning

- Implementation of conservation priorities

Afternoon

- Implementation of conservation priorities (cont.)
- Information system and data management
- National Strategic Action Plans development

Evening

- Social dinner

Wednesday 12th November:

Morning + afternoon

- Field day

Thursday 13th November:

Morning

- Assessment
- Diversity analysis of priority CWR (cont.)

Afternoon

- Diversity analysis of priority CWR (cont.)
- Assessment

Programme

Monday 10th November 2014		
	OFFICIAL OPENING CEREMONY	
09:15	– Welcome from University of Mauritius	? +
09:20	– Introduction of SADC-CWR project from coordinator	Ehsan DULLOO (Bioversity International)
	– Welcome remarks from SPGRC	Thandie LUPUPA (SPGRC)
	– Speech from XXXX	
	– Speech from XXXX	
10:15	– Keynote address: Planning and managing CWR conservation	Nigel MAXTED (University of Birmingham)
11:00 - 11:15	COFFEE	
	INTRODUCTION	
11:15	– A toolkit for developing a ‘National Strategic Action Plan’ for the conservation of CWR	Joana MAGOS BREHM (University of Birmingham)
	ASSESSMENT	
11:30	Explanation and preparation of the assessment to be presented on Thursday	Shelagh KELL (University of Birmingham)
	IDENTIFICATION AND PRIORITIZATION OF CWR	
11:40	– Creating a national CWR checklist	Nigel MAXTED
12:00	– Setting priorities for the conservation of CWR: methods and case studies	Shelagh KELL
12:40	– Creating a national CWR inventory	Joana MAGOS BREHM
13:00 – 14:00	LUNCH	
	DIVERSITY ANALYSIS OF PRIORITY CWR	
14:00	– Ecogeography survey and data analysis	Nigel MAXTED
14:45	– Ecogeographic data acquisition and verification	Joana MAGOS BREHM
15:30 – 15:45	COFFEE	
	DIVERSITY ANALYSIS OF PRIORITY CWR (cont.)	
15:45	- Genetic data in conservation planning	Yasmina JAFEERALLY-FAKIM? (University of Mauritius) (TBC)
16:15	– Gap analysis, species richness and complementarity analysis, climate change data analysis	Nigel MAXTED
17:15	- Identification of sources of ecogeographic data (group work)	All
18:00	- Introduction of <i>in situ</i> conservation exercise	Nigel MAXTED
18:15	- Wrap-up discussion, day 1	All
18:30	CLOSE OF WORKSHOP, DAY 1	

Tuesday 11th November 2014		
	IMPLEMENTATION OF CONSERVATION PRIORITIES	
09:15	– <i>In situ</i> conservation: genetic reserve location and design	Ehsan DULLOO
10:15	– <i>In situ</i> conservation: genetic reserve management	Nigel MAXTED
11:15 – 11:30	COFFEE	
	IMPLEMENTATION OF CONSERVATION PRIORITIES (cont.)	
11:30	– <i>In situ</i> conservation: monitoring CWR diversity	Vincent ?
12:30	– <i>In situ</i> conservation: restoration , experience from Mauritius	Someone form Mauritius Wildlife Foundation
13:00 – 14:00	LUNCH	
	IMPLEMENTATION OF CONSERVATION PRIORITIES (cont.)	
14:00	– Conservation working with local communities	Ehsan DULLOO
14:45	– Complementary <i>ex situ</i> conservation	Nigel MAXTED
	INFORMATION SYSTEM AND DATA MANAGEMENT	
15:15	– Information system and data management - introduction	Imke THORMANN (Bioersivity International)
15:45 – 16:00	COFFEE	
	INFORMATION SYSTEM AND DATA MANAGEMENT (cont.)	
16:00	– Information system and data management - practical	Imke THORMANN
	NATIONAL STRATEGIC ACTION PLANS DEVELOPMENT AND IMPLEMENTATION	
17:00	– Relevant policies for the conservation of CWR	Ehsan DULLOO
17:30	– Existing policies on PGRFA in the SADC region	Thandie LUPUPA
18:00	– Wrap-up discussion, day 2	All
18:15	CLOSE OF WORKSHOP, DAY 2	
20:00	SOCIAL DINNER	

Wednesday 12th November 2014		
08:30 – 17:30	FIELD DAY	Ehsan DULLOO + All
08.30	Depart from hotel	
10.00 – 13.00	<ul style="list-style-type: none"> - Field work in the Black River Gorges National Park; - Identification of CWR in Protected Area; - Population sampling strategies for data collection (delimitation of populations);Data collection from the field using field collection template 	Assisted by personnel from National Parks and Conservation Service
12.30 – 13.30	Lunch	
13.30 - 16.00	Visit to restoration sites in Black River Gorges National Park and conservation activities in National Park	National Parks and Conservation Service; Mauritian Wild life Foundation
17.30	Back to hotel	

Thursday 13th November 2014		
	ASSESSMENT	
09:15	– <i>In situ</i> conservation exercise	Nigel MAXTED + All
	DIVERSITY ANALYSIS OF PRIORITY CWR (cont.)	
10:15	– Geographic information systems – introduction	Hannes GAISBERGER (Bioversity International)
10:45	– An introduction to DIVA-GIS (practical)	Hannes GAISBERGER + All
11:30 – 11:45	COFFEE	
	DIVERSITY ANALYSIS OF PRIORITY CWR (cont.)	
11:45	– An introduction to DIVA-GIS (practical)	Hannes GAISBERGER + All
13:00 – 14:00	LUNCH	
	DIVERSITY ANALYSIS OF PRIORITY CWR (cont.)	
14:00	– An introduction to DIVA-GIS (practical)	Hannes GAISBERGER + All
16:15– 16:30	COFFEE	
	ASSESSMENT	
16:30	– Group presentations and discussion	Shelagh KELL + All
17:30	- Final wrap-up discussion	All
18:00	CLOSE OF THE TRAINING WORKSHOP	

List of participants

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