

CWR conservation planning tools

Joana Magos Brehm, Shelagh Kell, Imke Thormann, Holly Vincent, Hannes
Gaisberger, Ehsan Dulloo and Nigel Maxted

Final Dissemination Meeting
23-25 November 2016, Pretoria, South Africa



UNIVERSITY OF
BIRMINGHAM

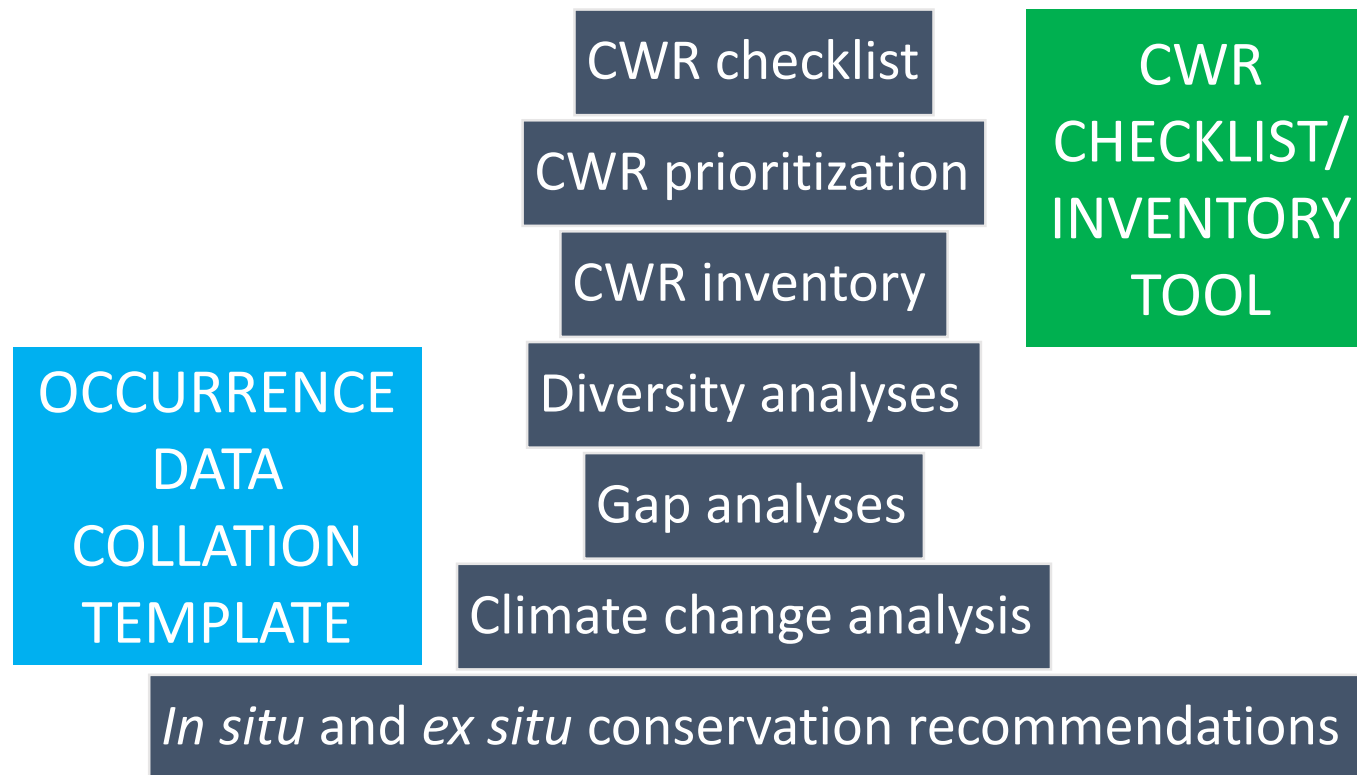


IMPORTANCE OF CONSERVATION PLANNING TOOLS

- To guide and help countries:
 - CWR conservation planning
 - Development of NSAP
- Standardization
- Minimize errors
- Save time



INTERACTIVE TOOLKIT FOR CWR CONSERVATION PLANNING



TECHNICAL BACKGROUND DOCUMENT (template)

NATIONAL STRATEGIC ACTION PLAN (template)

INTERACTIVE TOOLKIT FOR CWR CONSERVATION PLANNING

Crop Wild Relatives: Toolkit

www.cropwildrelatives.org/index.php?id=2112


INTERACTIVE TOOLKIT FOR CROP WILD RELATIVE CONSERVATION

EXPORT

- HOME
- THE TOOLKIT
- CROP WILD RELATIVES
- NATIONAL STRATEGIC ACTION PLANS
- CITATION
- ACKNOWLEDGEMENTS


The **Interactive Toolkit for Crop Wild Relative Conservation Planning** is designed to provide guidance to plan and implement systematic and active *in situ* and *ex situ* conservation of CWR at national level. The conservation recommendations that result from this national CWR conservation planning process can and should be used to develop National Strategic Action Plans (NSAP) (or National Strategies) for the conservation and sustainable use of CWR (to know more about NSAP development, click [here](#)).

There is no single method for planning CWR conservation as well as for developing an NSAP for the conservation of CWR. This is mainly due to issues concerning financial resources, availability of baseline biodiversity data, the local community where the NSAP is to be implemented, as well as the focal area and remit of the agencies which are responsible for formulating and implementing the NSAP. Nevertheless, CWR conservation planning can be viewed as a series of steps and decisions that follow the same basic pattern in all countries. This Toolkit and its protocols, examples and resources should thus be viewed as a framework and an aid (not a prescription!) for planning CWR conservation within which the suggested steps do not necessarily have to be followed in the same order. It is important to note that the Toolkit can be used for the entire conservation planning process or for each step individually.



Common wild rice (*Oryza rufipogon* Griffin.) panicle found in Northern Laos during a rice expedition trip in 2009 (photo: Bao-Rong Lu)

DOWNLOAD PDF VERSION OF THE TOOLKIT



Resource Book for the Preparation of National Plans for the Conservation of Crop Wild Relatives

DOWNLOAD

How to use the Toolkit?

The Toolkit can be used either on-line or off-line. To use it off-line, the full content of the Toolkit can be exported by clicking in the EXPORT button which appears in every single page up on the right.

Who is the Toolkit for?

MORE

DEVELOPMENT OF CWR CHECKLIST AND INVENTORY

Checklist and Inventory Tool

TAXON_ID	FAMILY	GENUS	SPECIES	SPECIES_AUTHOR	SUB_RANK	SUB_TAXON	SUB_AUTHOR
1	Asparagaceae	Asparagus	macowanii	Baker	-	-	-
2	Brassicaceae	Brassica	elongata	Ehrh.	-	-	-
3	Brassicaceae	Brassica	tournefortii	Gouan	-	-	-
4	Leguminoseae	Cajanus	scarabaeoides	(L.) Thouars	-	-	-
5	Cucurbitaceae	Citrullus	ecirrhosus	Cogn.	-	-	-
6	Cucurbitaceae	Citrullus	rehmii	De Winter	-	-	-
7	Rubiaceae	Coffea	liberica	W. Bull ex Hiern	subsp.	dewevrei	(De Wild. & T. Duran
8	Rubiaceae	Coffea	liberica	W. Bull ex Hiern	subsp.	liberica	-
9	Rubiaceae	Coffea	mufindiensis	Hutch. ex Bridson	subsp.	lundaziensis	Bridson
10	Rubiaceae	Coffea	sessiliflora	Bridson	subsp.	mwasumbii	Bridson
11	Rubiaceae	Coffea	pseudozanguebariae	Bridson	-	-	-
12	Poaceae	Digitaria	longiflora	(Retz.) Pers.	-	-	-
13	Dioscoreaceae	Dioscorea	smilacifolia	De Wild. & T. Durand	-	-	-
14	Poaceae	Echinochloa	colona	(L.) Link	-	-	-
15	Poaceae	Pennisetum	sieberianum	(Schtdl.) Stapf & C.E.Hubb.	-	-	-
16	Leguminoseae	Vigna	unguiculata	(L.) Walp.	subsp.	alba	Pasquet
17	Leguminoseae	Vigna	unguiculata	(L.) Walp.	subsp.	dekindtiana	(Harms) Verdc.

DEVELOPMENT OF CWR CHECKLIST AND INVENTORY

Checklist and Inventory Tool

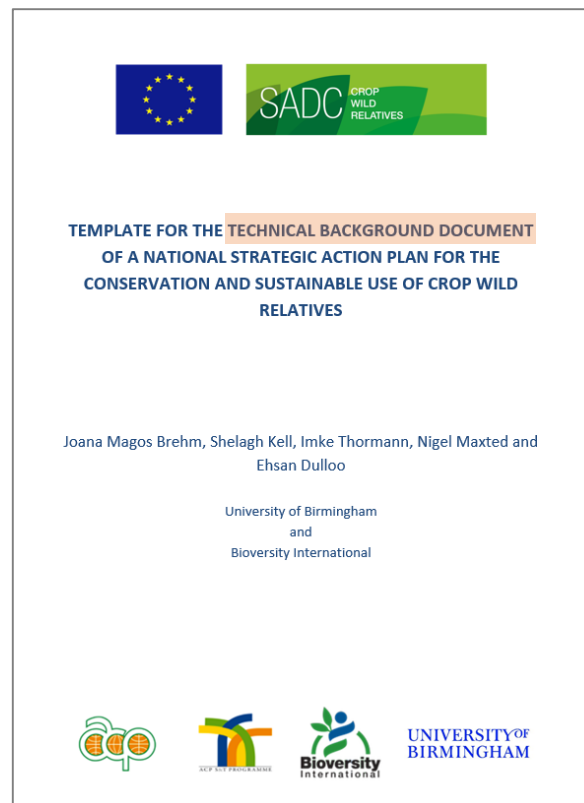
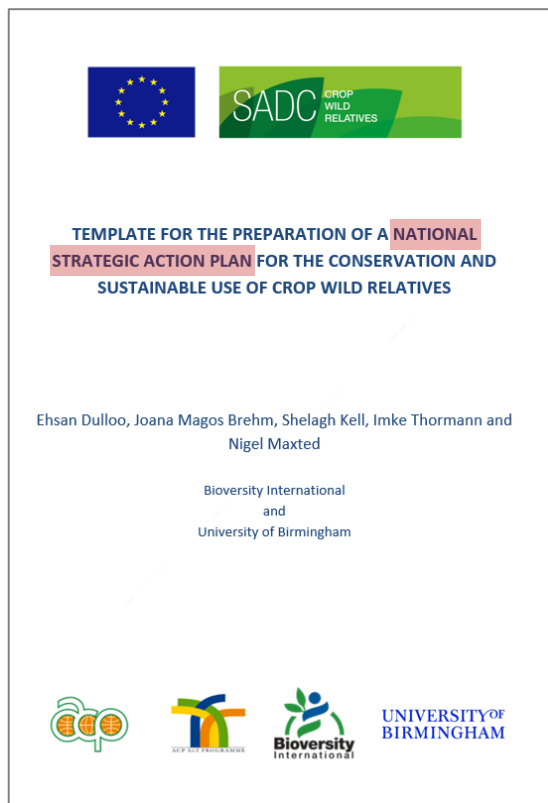
	H	I	J	K	L	M	N	U	V	W	X
1	FAMILY	GENUS	SPECIES	SPECIES_AUTHOR	SUB_RANK	SUB_TAXON	SUB_AUTHOR	CONCEPT_TYPE	CONCEPT_LEVEL	CONCEPT_REF	RELATED_CR
2	Asparagaceae	Asparagus	macowanii	Baker	-	-	-	Genepool	Tertiary	Harlan & de	Asparagus
3	Brassicaceae	Brassica	elongata	Ehrh.	-	-	-	Genepool	Secondary	Harlan & de	Brassicas
4	Brassicaceae	Brassica	tournefortii	Gouan	-	-	-	Genepool	Secondary	Harlan & de	Brassicas
5	Leguminoseae	Cajanus	scarabaeoides	(L.) Thouars	-	-	-	Genepool	Secondary	Harlan & de Wet Inventory	Pigeon pea
6	Cucurbitaceae	Citrullus	ecirrhosus	Cogn.	-	-	-	Genepool	Secondary	Harlan & de	Watermelon
7	Cucurbitaceae	Citrullus	rehmii	De Winter	-	-	-	Genepool	Secondary	Harlan & de	Watermelon
8	Rubiaceae	Coffea	liberica	W. Bull ex Hiern	subsp.	dewevrei	(De Wild. & T. G	Genepool	Secondary	Harlan & de	Coffee
9	Rubiaceae	Coffea	liberica	W. Bull ex Hiern	subsp.	liberica	-	Genepool	Secondary	Harlan & de	Coffee
10	Rubiaceae	Coffea	mufindiensis	Hutch. ex Bridson	subsp.	lundaziensis	Bridson	Genepool	Secondary	Harlan & de	Coffee
11	Rubiaceae	Coffea	sessiliflora	Bridson	subsp.	mwasumbii	Bridson	Genepool	Secondary	Harlan & de	Coffee
12	Rubiaceae	Coffea	pseudozanguebariae	Bridson	-	-	-	Genepool	Secondary	Harlan & de Wet Inventory	Coffee
13	Poaceae	Digitaria	longiflora	(Retz.) Pers.	-	-	-	Genepool	Primary	Harlan & de	Millet
14	Dioscoreaceae	Dioscorea	smilacifolia	De Wild. & T. Durar	-	-	-	Genepool	Primary	Harlan & de Wet Inventory	Yam
15	Poaceae	Echinochloa	colona	(L.) Link	-	-	-	Genepool	Primary	Harlan & de	Millet
16	Poaceae	Pennisetum	sieberianum	(Schltdl.) Stapf & C.	-	-	-	Genepool	Primary	Harlan & de	Millet
17	Leguminoseae	Vigna	unguiculata	(L.) Walp.	subsp.	alba	Pasquet	Genepool	Primary	Harlan & de Wet Inventory	Cowpea
18	Leguminoseae	Vigna	unguiculata	(L.) Walp.	subsp.	dekindtiana	(Harms) Verdc.	Genepool	Primary	Harlan & de Wet Inventory	Cowpea

OCCURRENCE DATA COLLATION TEMPLATE



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	AB	AC	AD	AE	AF	AG	AH	AI	AJ	
	ID	TAXO NID	TY PE	SOUR CE	CITATI ON	FILENA	INST	INSTC	STO RAG E	IDSOUR	ACCENUMB	DO	DO	DO	DUP	GENUS	SPECIES	SPA	AUTHOR	RANK1	SUBTAX	SUBTAU	RANK2	SUB-SUBTAX A	SUB-SUBTAU THOR	TAXON	DETBY	DETDD	DETMM	DETY	X1_GENUS	X1_SPECIES	X1_SPAU THOR	X1_RAN K1	X T.
1	106	G	40	NA	African Inte	IITA	10	NA	IITA-TVNu-1051	NA	N	NA	NA	Vigna	hosei	(Craib) Bacl	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_hosei	NA	NA	NA	NA	Vigna	hosei	NA	var.	pe	
2	106	G	40	NA	African Nat	BEL01	10	NA	Ni 321	NA	N	NA	NA	Vigna	hosei	(Craib) Bacl	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_hosei	NA	NA	NA	NA	Vigna	hosei	NA	NA	NA	N
3	106	H	10	NA	African Roy	K	NA	NA	NA	NA	N	NA	NA	Vigna	hosei	(Craib) Bacl	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_hosei	NA	NA	NA	NA	Vigna	hosei	NA	NA	NA	N
4	106	H	10	NA	African Mus	P	NA	NA	NA	NA	N	NA	NA	Vigna	hosei	(Craib) Bacl	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_hosei	NA	NA	NA	NA	Vigna	hosei	NA	NA	NA	N
5	106	H	10	NA	African Nat	BR	NA	NA	NA	NA	N	NA	NA	Vigna	hosei	(Craib) Bacl	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_hosei	NA	NA	NA	NA	Vigna	hosei	NA	NA	NA	N
6	106	H	10	NA	African Con	G	NA	NA	NA	NA	N	NA	NA	Vigna	hosei	(Craib) Bacl	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_hosei	NA	NA	NA	NA	Vigna	hosei	NA	NA	NA	N
7	107	H	10	NA	African Mus	P	NA	NA	NA	NA	N	NA	NA	Vigna	keraudrenii	DuPuy & La	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_keraudrenii	NA	NA	NA	NA	Vigna	keraudrenii	NA	NA	NA	N
8	107	H	10	NA	African Mus	P	NA	NA	NA	NA	N	NA	NA	Vigna	keraudrenii	DuPuy & La	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_keraudrenii	NA	NA	NA	NA	Vigna	keraudrenii	NA	NA	NA	N
9	107	H	10	NA	African Mus	P	NA	NA	NA	NA	N	NA	NA	Vigna	keraudrenii	DuPuy & La	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_keraudrenii	NA	NA	NA	NA	Vigna	keraudrenii	NA	NA	NA	N
10	107	H	10	NA	African Mus	P	NA	NA	NA	NA	N	NA	NA	Vigna	keraudrenii	DuPuy & La	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_keraudrenii	NA	NA	NA	NA	Vigna	keraudrenii	NA	NA	NA	N
11	107	H	10	NA	African Mus	P	NA	NA	NA	NA	N	NA	NA	Vigna	keraudrenii	DuPuy & La	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_keraudrenii	NA	NA	NA	NA	Vigna	keraudrenii	NA	NA	NA	N
12	107	H	10	NA	African Mus	P	NA	NA	NA	NA	N	NA	NA	Vigna	keraudrenii	DuPuy & La	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_keraudrenii	NA	NA	NA	NA	Vigna	keraudrenii	NA	NA	NA	N
13	107	H	10	NA	African Mus	P	NA	NA	NA	NA	N	NA	NA	Vigna	keraudrenii	DuPuy & La	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_keraudrenii	NA	NA	NA	NA	Vigna	keraudrenii	NA	NA	NA	N
14	107	H	10	NA	African Mus	P	NA	NA	NA	NA	N	NA	NA	Vigna	keraudrenii	DuPuy & La	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_keraudrenii	NA	NA	NA	NA	Vigna	keraudrenii	NA	NA	NA	N
15	107	H	10	NA	African Mus	P	NA	NA	NA	NA	N	NA	NA	Vigna	keraudrenii	DuPuy & La	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_keraudrenii	NA	NA	NA	NA	Vigna	keraudrenii	NA	NA	NA	N
16	107	H	10	NA	African Mus	P	NA	NA	NA	NA	N	NA	NA	Vigna	keraudrenii	DuPuy & La	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_keraudrenii	NA	NA	NA	NA	Vigna	keraudrenii	NA	NA	NA	N
17	107	H	10	NA	African Mus	P	NA	NA	NA	NA	N	NA	NA	Vigna	keraudrenii	DuPuy & La	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_keraudrenii	NA	NA	NA	NA	Vigna	keraudrenii	NA	NA	NA	N
18	107	H	10	NA	African Roy	K, P, T	NA	NA	NA	NA	N	NA	NA	Vigna	keraudrenii	DuPuy & La	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_keraudrenii	NA	NA	NA	NA	Vigna	keraudrenii	NA	NA	NA	N
19	107	H	10	NA	African Mus	P	NA	NA	NA	NA	N	NA	NA	Vigna	keraudrenii	DuPuy & La	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_keraudrenii	NA	NA	NA	NA	Vigna	keraudrenii	NA	NA	NA	N
20	107	H	10	NA	African Mus	P	NA	NA	NA	NA	N	NA	NA	Vigna	keraudrenii	DuPuy & La	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_keraudrenii	NA	NA	NA	NA	Vigna	keraudrenii	NA	NA	NA	N
21	107	H	10	NA	African Mus	P	NA	NA	NA	NA	N	NA	NA	Vigna	keraudrenii	DuPuy & La	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_keraudrenii	NA	NA	NA	NA	Vigna	keraudrenii	NA	NA	NA	N
22	108	G	40	NA	African Inte	IITA	10	NA	IITA-TVNu-1163	NA	N	NA	NA	Vigna	schlechteri	Harms	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_schlechteri	NA	NA	NA	NA	Vigna	schlechteri	NA	NA	NA	N
23	108	G	40	NA	African Inte	IITA	10	NA	IITA-TVNu-1164	NA	N	NA	NA	Vigna	schlechteri	Harms	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_schlechteri	NA	NA	NA	NA	Vigna	schlechteri	NA	NA	NA	N
24	108	G	40	NA	African Inte	IITA	10	NA	IITA-TVNu-1336	NA	N	NA	NA	Vigna	schlechteri	Harms	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_schlechteri	NA	NA	NA	NA	Vigna	schlechteri	NA	NA	NA	N
25	108	G	40	NA	African Inte	IITA	10	NA	IITA-TVNu-1374	NA	N	NA	NA	Vigna	schlechteri	Harms	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_schlechteri	NA	NA	NA	NA	Vigna	schlechteri	NA	NA	NA	N
26	108	G	40	NA	African Inte	IITA	10	NA	IITA-TVNu-1377	NA	N	NA	NA	Vigna	schlechteri	Harms	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_schlechteri	NA	NA	NA	NA	Vigna	schlechteri	NA	NA	NA	N
27	108	G	40	NA	African Inte	IITA	10	NA	IITA-TVNu-1756	NA	N	NA	NA	Vigna	schlechteri	Harms	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_schlechteri	NA	NA	NA	NA	Vigna	schlechteri	NA	NA	NA	N
28	108	G	40	NA	African Inte	IITA	10	NA	IITA-TVNu-715	NA	N	NA	NA	Vigna	schlechteri	Harms	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_schlechteri	NA	NA	NA	NA	Vigna	schlechteri	NA	NA	NA	N
29	108	G	40	NA	African Inte	IITA	10	NA	IITA-TVNu-962	NA	N	NA	NA	Vigna	schlechteri	Harms	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_schlechteri	NA	NA	NA	NA	Vigna	schlechteri	NA	NA	NA	N
30	108	G	40	NA	African Inte	IITA	10	NA	IITA-TVNu-963	NA	N	NA	NA	Vigna	schlechteri	Harms	NA	NA	NA	NA	NA	NA	NA	NA	Vigna_schlechteri	NA	NA	NA	NA	Vigna	schlechteri	NA	NA	NA	N

STRATEGIC ACTION PLANS FOR THE CONSERVATION AND SUSTAINABLE USE OF CWR



NSAP for Mauritius, South Africa and Zambia have been developed

THANK YOU!

Final Dissemination Meeting

23-25 November 2016, Pretoria, South Africa



UNIVERSITY OF
BIRMINGHAM

