Creating a national inventory of CWR

Joana Magos Brehm, Shelagh Kell and Nigel Maxted
SADC Crop Wild Relatives

_in situ_ conservation of CWR and diversity assessment techniques

Regional training workshop. 10-13 November 2014, Mauritius
Checklist *versus* inventory

### CWR checklist
- list of CWR taxa

### CWR inventory
- list of CWR taxa + extra information
Checklist *versus* inventory

- Flora checklist + list of crops
- CWR checklist
- Prioritization
- CWR inventory
  - Ecogeographic survey and gap analysis...
Checklist versus inventory

FAO Resource Book (pp 74-96)
National inventory – descriptors

STANDARD FOR WEB-ENABLED CWR CONSERVATION DATA for
National Checklists, National Inventories and Conservation Strategies, v1

NOMENCLATURE
GENEPOOL or TAXON GROUP CONCEPT
CURRENT CONSERVATION ACTIONS

LEGISLATION
BIOLOGY
CROSSABILITY WITH CROP

THREATENED and TAXON STATUS, and DISTRIBUTION
IN SITU POPULATIONS
SITE INFORMATION

UNIVERSITY OF BIRMINGHAM
Sources of information

NOMENCLATURE
- (also in checklist)
- GRIN taxonomy for plants (http://www.ars-grin.gov/cgi-bin/npgs/html/index.pl)
- The Plant List (http://www.theplantlist.org/)
- National floras / checklists...

GENEPOOL or TAXON GROUP CONCEPT
- (also in checklist)
- Harlan and de Wet inventory: http://www.cwrdiversity.org/checklist/
- GRIN taxonomy database on CWR: http://www.ars-grin.gov/~sbmljw/cgi-bin/taxcwr.pl

CURRENT CONSERVATION ACTIONS
- in situ conservation survey
- national and international genebanks
Sources of information

**LEGISLATION**
- national legislation
- international legislation (e.g. CITES)

**BIOLOGY**
- books
- scientific papers
- experts
- Seed Information System ([http://data.kew.org/sid/plantform.html](http://data.kew.org/sid/plantform.html))

**CROSSABILITY WITH CROP**
- scientific papers
- breeding experts...
Sources of information

**THREATENED and TAXON STATUS, and DISTRIBUTION**
- (also in checklist)
- National Red Lists (IUCN criteria and /other)
- Global assessments - IUCN ([www.iucn.org](http://www.iucn.org))

**IN SITU POPULATIONS**
- field data (survey and monitoring)
- national and international genebanks (ex situ survey)

**SITE INFORMATION**
- field data (adm, GPS, land use, habitat, soil, legislation...)
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