

## National training workshop

# *“In situ conservation of crop wild relatives and diversity assessment techniques”*

14-16th November 2016, Plant Breeding and Acclimatization Institute, Radzików,  
Poland



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## Contents

Introduction.....	3
Objectives and programme of the training workshop .....	3
Day 1 – Lectures and exercises.....	4
Day 2 – Lectures and exercises.....	4
Day 3 – Lectures and exercises.....	4
Annex 1. Workshop agenda .....	5

## Introduction

The training workshop on *in situ* conservation of crop wild relatives (CWR) is organized by the Plant Breeding and Acclimatization Institute, Radzików, Poland, and University of Birmingham, Birmingham, UK, as part of the ECPGR In Situ Working Group activities. The training workshop will be held at the Plant Breeding and Acclimatization Institute, Radzików, Poland, on the 14-16th November 2016, gathering participants from stakeholders across disciplines in Poland.

The overall objective of the workshop is to strengthen national capacities in Poland for CWR conservation and use. Although the focus of the workshop will be Poland, other countries from the Baltic region are also invited to attend at their own cost, so that an increased capacity for *in situ* conservation and use of CWR is established in the whole region.

## Objectives and programme of the training workshop

The workshop has three main objectives:

1. To strengthen capacities in Poland 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 a National Strategic Action Plan (NSAP) for the *in situ* conservation of CWR in Poland.

The workshop requires participation of representatives with policy, protected area, botany and PGR expertise.

## Resource book

The context of the workshop is provided by *Preserving diversity: a concept for in situ conservation of crop wild relatives in Europe Version 2*<sup>1</sup> and the content of the workshop will draw heavily on information contained in the *FAO Resource Book*<sup>2</sup> for the Preparation of National Plans for Conservation of Crop Wild

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<sup>1</sup> Maxted, N., Avagyan, A. Frese, L., Iriondo, J.M., Magos Brehm, J., Singer, A. & Kell, S.P. (2015). Preserving diversity: a concept for in situ conservation of crop wild relatives in Europe Version 2. Rome, Italy: In Situ and On-farm Conservation Network, European Cooperative Programme for Plant Genetic Resources, Rome, Italy. [http://www.pgrsecure.org/documents/Concept\\_v2.pdf](http://www.pgrsecure.org/documents/Concept_v2.pdf)

<sup>2</sup> Maxted, N., Magos Brehm, J. & Kell, S.P., (2013) Resource book for preparation of national conservation plans for crop wild relatives and landraces. Commission on Genetic Resources for Food and Agriculture. Food and Agriculture Organization of the United Nations, Rome, Italy. 457 pp. <http://www.fao.org/agriculture/crops/thematic-sitemap/theme/seeds-pgr/resource-book/en/>

Relatives and Landraces and many of the lectures during the training workshop will make reference to it. So it is advisable that the participants are familiar with the Resource Book content prior to the workshop.

### **Day 1 – Lectures and exercises**

The day 1 training is focused on the identification and prioritization of CWR as well as on diversity analysis of priority crops. The following issues will be introduced and discussed:

- Creating a national CWR checklist
- Setting priorities for the conservation of CWR: methods and case studies
- Creating a national CWR inventory

### **Day 2 – Lectures and exercises**

The second day of the training workshop is focused on implementation of conservation priorities, information system and data management, and the NSAP development and implementation. The following issues will be introduced and discussed:

- Ecogeographic survey and data analysis
- Ecogeographic data acquisition and verification
- Genetic data in conservation planning
- Gap analysis, species richness and complementarity analysis, climate change data analysis
- *In situ* conservation: genetic reserve design
- *In situ* conservation: genetic reserve management
- *In situ* conservation: monitoring CWR diversity
- Conservation: working with local communities
- Seed collecting
- Information system and data management

During the wrap-up session of day 2 participants will have chance to address the following three questions:

- Which topic (or topics) did you find particularly useful?
- Which topic (or topics) did you find less useful, if any?
- Are there any topics from days 1 or 2 that you require further help with? Which ones?

### **Day 3 – Lectures and exercises**

- Relevant policies for the conservation of CWR

## Annex 1. Workshop agenda

Monday 14 <sup>th</sup> November 2016		
	<b>OFFICIAL OPENING CEREMONY</b>	
12:30 – 12:40	– Welcome address	Prof. dr hab. Edward Arseniuk
12:40– 12:50	– Opening workshop	Prof. dr hab. Jerzy H. Czembor
12:50 – 13:00	– Introduction of CWR workshop structure	Nigel MAXTED (UoB)
13:00 – 13:15	– Introduction of participants	All
13:15 – 13:40	– CWR: their <i>ex situ</i> conservation status in Poland and the policy context	prof. dr hab. Jerzy Puchalski / Adam Kapler
13:40 – 14:00	– CWR: the breeder's view (cereals)	Prof. dr hab. Jerzy H. Czembor
14:00 – 14:15	– CWR: the breeder's view (vegetables)	Prof. dr hab. Katarzyna Niemirowicz-Szczytt
<b>14:15 – 14:45</b>	<b>COFFEE</b>	
14:45 – 15:15	– Keynote address: Planning and managing CWR conservation	Nigel MAXTED (UoB)
15:15 – 15:30	– Preservation and use of biodiversity of landraces (LR) and crop wild relatives (CWR) in an <i>in situ</i> and <i>ex situ</i> Polish context	Denise Fu Dostatny
	<b>IDENTIFICATION AND PRIORITIZATION OF CWR</b>	
15:30 – 15:45	– Creating a national CWR checklist	Nigel MAXTED
15:45 – 16:00	– Flora of Poland	
16:00 – 16:15	– Group discussion	All
16:15 – 16:30	– Setting priorities for the conservation of CWR: methods and case studies	Nigel MAXTED
16:30 – 16:45	– Group discussion	All
16:45 – 17:00	– Creating a national CWR inventory	All
17:00 – 17:15	– Group discussion	All
17:15 – 17:30	– Wrap-up discussion, day 1	Nigel MAXTED + All
<b>17:30– 17:45</b>	<b>CLOSE OF WORKSHOP, DAY 1</b>	
<b>18:00</b>	<b>SUPPER</b>	

Tuesday 15th November 2016		
	<b>DIVERSITY ANALYSIS OF PRIORITY CWR</b>	
9:15 – 10:00	– Ecogeography survey and data analysis	Nigel MAXTED
10:00 – 10:45	– Group discussion	All
	<b>DIVERSITY ANALYSIS OF PRIORITY CWR (cont.)</b>	
10:45 – 11:10	– Genetic data in conservation planning	Maja Boczkowska
11:10 – 11:20	<b>COFFEE</b>	
11:20 – 11:45	– Gap analysis, species richness and complementarity analysis, climate change data analysis	Nigel MAXTED
11:45 – 12:30	– Identification of sources of genetic and ecogeographic data (group work)	All
12:30 – 13:15	<b>LUNCH</b>	
	<b>IMPLEMENTATION OF CONSERVATION PRIORITIES</b>	
13:15 – 14:15	– <i>In situ</i> conservation: genetic reserve design, management and monitoring	Nigel MAXTED
14:15– 15:15	– Group discussion	All
15:15 – 15:30	<b>COFFEE</b>	
	<b>IMPLEMENTATION OF CONSERVATION PRIORITIES (cont.)</b>	
15:30 – 15:45	– Conservation working with local communities	Nigel MAXTED
15:45– 16:15	– Group discussion	All
16:15 – 16:30	– <i>Ex situ</i> back-up	Nigel MAXTED
16:30 – 17:00	– Group discussion	All
17:00 – 17:15	– Production of the NATIONAL CWR STRATEGIC ACTION PLAN	Nigel MAXTED
17:15 – 17:30	– Wrap-up discussion, day 2	Nigel MAXTED + All
17:30 – 17:45	<b>CLOSE OF WORKSHOP, DAY 2</b>	
18:00	<b>SUPPER</b>	

Wednesday 16 <sup>th</sup> November 2016		
	<b>NATIONAL STRATEGIC ACTION PLANS DEVELOPMENT AND IMPLEMENTATION</b>	
9:00 – 9:30	– Existing policies on PGRFA in Poland – in the context of global policy	Ministry of Agriculture and Rural Development
9:30 – 10:00	– National capacities for <i>in situ</i> conservation of CWR in protected areas	Ministry of Environment
10:00 – 10:15	– Resource requirement for implementation of NATIONAL CWR STRATEGIC ACTION PLAN	Nigel MAXTED
10:15 – 10:30	<b>COFFEE</b>	
10:30 – 11:45	– Group discussion	All
11:45– 12:15	– Wrap-up discussion, day 3	Nigel MAXTED + All
12:15 – 12:30	– Closing the workshop	Prof. dr hab. Jerzy H. Czembor
12:30	<b>LUNCH</b>	
<b>CLOSE OF WORKSHOP, DAY 3</b>		

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