  

**International Experts Workshop**

on

**Pre-breeding utilizing Crop Wild Relatives**

**1st PBCWR**

Rabat, Morocco 24-26 April 2019

***Tentative agenda***

***Wednesday, 24th April 2019***

**Session 1: Welcome statements and opening lectures (Chair: Mahmoud El-Solh, Rapporteur: Ahmed Amri)**

0830 – 0900 **Mohamed Sadiki** (MoA), **Jacques Wery** (ICARDA), **Faouzi Bekkaoui** (INRA-Morocco), **Luigi Guarino** (GCDT), **Daniel van Gilst** (NORAD)

09:00 – 09:30 **Bikram Gill:** *Towards a Futuristic Elite Crop-CWR Germplasm Enhancement Program*

***09:30 – 10:00 Coffee break***

**Session 2: Collecting and conserving crop wild relatives (Chair: Rachid Dahan; Rapporteur: Mariana Yazbek)**

10:00 - 10:20 **Ahmed Amri**: *Promoting in situ/ ex situ conservation linkages of crop wild relatives of cereals and legumes*

10:20 – 10:40 **Chris Cockel**:*The role of botanic gardens in collecting and conserving crop wild relatives + CWR initiative*

10:40 – 11:00 **Julian Ramirez**: *Approaches for gap analysis for landraces and crop wild relatives*

11:00 – 11:40 **Vania Azevedo**: *Conservation of tropical dryland food legumes and cereals genetic resources*

11:40 – 12:00 **Zakaria Kehel**: *Targeting adaptive traits in ex situ collections and in situ natural habitats*

12:00 – 12:20 **Alain Tsobeng**: *Use of tree genetic resources for land restoration: Case study of Dacryodes edulis G. Don Lam (Burseraceae) in Cameroon.*

12:20 - 12:30 General discussion

***12:30 – 13:30 Lunch break***

**Session 3: Exploring the value of crop wild relatives (Chair: Asmund Bjornstad; Rapporteur: Athanasios Tsivelikas)**

13:30 – 13:50 **Benjamin Kilian:** *Global efforts to explore the value of crop wild relatives*

13:50 – 14:10 **Mona Schreiber:**  *Glimpses* *of domestication history of cereal crops through genebank genomics*

14:10 – 14:30 **Antonio Costa de Oliveira:** *Improving efficiency in the exploitation of genetic resources through molecular techniques*

14:30 – 14:50 **Mustapha El-Bouhssini:** *Evaluation of wild relatives and pre-breeding germplasm for resistance to major insects and diseases*

14:50 – 15:10 **Hisashi Tsujimoto**: *Can we find abiotic stress tolerance in wheat related-wild species? - Experiences and lessons learned in pre-breeding of wheat with drought and heat stress tolerance*

15:10 – 15:30 **Carla Ceoloni**: *Chromosome engineering to leverage alien genetic variation and make a better wheat in the face of current and future challenges*

15:30 – 15:50 General discussion

15:50 – 16:20 Poster session

***16:20 – 16:40 Coffee break***

16:40 – 17:30 Visits to laboratories, glasshouses and genebank

17:30 – 19:30 Visit to Rabat

***Thursday, 25th April 2019***

**Session 4: Pre-breeding efforts part 1 (Chair: Peter Werner; Rapporteur: Sajid Rehman)**

08:30 – 08:50 **Degu Wuletaw Tadesse:** *Use of synthetics in bread wheat breeding programs*

08:50 – 09:10 **Asmund Bjornstad**: *Use of wild relatives in oat pre-breeding*

09:10 – 09:30 **Ian King:** *Mobilizing useful genes from distant species of wheat*

09:30 – 09:50 **Masahiro Kishii:** *The use of wheat wild ancestors for wheat pre-breeding in CIMMYT*

09:50 – 10:10 **Filippo Bassi**: *The magic of CWR in durum wheat breeding*

10:10 – 10:20 General discussion

***10:20 -10:40 Coffee break***

**Session 5: Strengthening pre-breeding efforts part 2 (Chair: Michael Baum; Rapporteur: Moez Amri)**

10:40 – 11:00 **Kuldeep Singh**: *Plant Genetic Resources Management and Pre-Breeding in Genomics Era*

11:00 – 11:20 **Verma Ramesh:** *Excellence in pre-breeding efforts in barley*

11:20 – 11:40 **Izzat Taher:** *Pre-breeding and breeding efforts for heat tolerance in cereals and legumes*

11:40 – 12:00 **Shiv Kumar:** *Pre-breeding efforts in lentil, chickpea and grass pea*

12:00 – 12:20 **Shivali Sharma:** *Utilizing the underutilized CWR: Pigeonpea pre-breeding from discovery to delivery*

12:20 – 12:40 **Christian Fatokun:** *Utilizing the underutilized CWR: cowpea*

12:40 – 12:50 General discussion

12:50 - 13:00 Poster session

***13:00 – 14:00 Lunch break***

**Session 6: From pre-breeding to impact in farmer’s fields (Chair: Geoff Hawtin; Rapporteur: Shiv Kumar)**

14:00 – 14:20 **Perry Gustafson:** *Impacts of use of crops wild relatives towards food security*

14:20 – 14:40 **Naserlehaq Nsarellah:** *Breeding for Hessian fly resistance in Morocco: successful* partnership

14:40 - 15:00 **Abdelkader Benbelkacem:** *Pre-breeding and breeding efforts of cereals in Algeria*

15:00 – 15:20 **Ola Westengen**: *Farmer-breeder collaboration in plant breeding: current approaches and perspectives and implications for CWR prebreeding efforts*

15:20 – 15:40: **Eva Weltzien:** *Engaging farmers in sorghum improvement*

15:40 – 16:00: **Paul Shaw***: Sharing data through Germinate*

16:00 – 16:10 General discussion

***15:30 – 16:00 Coffee break***

**Session 7: Sharing pre-breeding resources globally for maximum impact (Chair: Luigi Guarino; Rapporteur: Ramesh Verma)**

16:00 – 16:20 **Alvaro Toledo***: The importance of the policy framework of the ITPGRFA*

16:20 – 17:20 Round table *how to strengthen pre-breeding efforts to meet the future challenges and on conservation and access to pre-breeding germplasm*: **Shivali Sharma** (ICRISAT), **Mahmoud El Solh** (Lebanon), **Paul Shaw** (JHI), **Ahmed Amri** (ICARDA), **Peter Werner, Eva Weltzien**

17:20 - 17:30 **Michael Baum & Hannes Dempewolf**: Closing session

**20:00 – 22:00 Official dinner**

***Friday, 26th April 2019***

07:30 – 12:30 Field visit to Marchouch

**13:00 – 15:00 Lunch break**

15:00 – 17:00 GCDT CWR Project Advisory Meeting (for CWR Advisory Board Members and Crop Trust)

17:00 – 18:30 GCDT CWR Project Management Team (PMT) meeting (for CWR PMT)

19:30 Dinner (CWR Advisory Board, CWR PMT, ICARDA)

***Secretariat***

Dr. Ahmed Amri (Coordinator), Email: [a.amri@cgiar.org](mailto:a.amri@cgiar.org)

Ms. Oumekaltoum Essahli (Secretary), Email: [e.oumekaltoum@cgiar.org](mailto:e.oumekaltoum@cgiar.org)

Address: ICARDA, sis, Av. Mohamed Belarbi Alaoui, BP 6299, Al-Irfane, Rabat, Morocco