

Nordic Plant Genetic Resources Enhancement in a changing climate

Public-Private Partnerships in Pre-Breeding

Workshop 5-6 February 2020 in Malmö, Sweden

Climate change has an increasing effect on Nordic agriculture and there is a need for enhancement of Nordic plant genetic resources to continue to produce healthy food in sufficient quantities in the future. The main aim of the workshop is to bring breeders, researchers and stakeholders together within the area of plant genetic resources and pre-breeding for Nordic agriculture and horticulture for a discussion on continued interaction and strengthening of the current excellent network of the Public-Private partnerships in Pre-breeding and involving academia, plant breeding entities, NordGen and stakeholders to inspire the development of next level project ideas.

Day 1: Nordic Plant Genetic Resources Enhancement in a changing climate

Facilitator: *Håkan Schröder, Swedish University of Agricultural Sciences*

Time	Activity
12.00	Lunch and networking
13.00	Welcome <i>Birgitte Lund, Chairperson of the PPP Steering Committee</i>
13.10	Nordic Plant breeding and PPP in a changing climate introduction <i>Roland von Bothmer, professor emeritus, Swedish University of Agricultural Sciences</i>
	Session 1: Keynote talks
13.30	Keynote speak I: New methods and breeding techniques <i>Richard Visser, professor, Wageningen University</i>
14.00	Keynote speak II: Plant Physiology <i>Matthew Reynolds, Dr., CIMMYT, Mexico</i>
14.30	Keynote speak III: International industry perspective/Plant breeding for an International scale <i>Marc Cornelissen, BASF</i>
15.00	Coffee break
	Session 2: Present PPP projects
15.30	Pre-breeding for future challenges in Nordic fruit and berries <i>Stein-Harald Hjeltnes, project leader</i>
16.00	Combining knowledge from field and from laboratory for pre-breeding in barley <i>Ahmed Jahoor, project leader and Therese Bengtsson, SLU</i>
16.30	PPP for pre-breeding in perennial ryegrass (<i>Lolium perenne</i> L.) <i>Odd Arne Rognli, project leader</i>

17.00	Nordic Public Private Partnership Plant Phenotyping <i>Svend Christensen, project leader</i>
	Short break
	Session 3: Nordic research cooperation initiatives
17.15	Perspectives for the future work from genebanks to new plant varieties <i>Lise Lykke Steffensen, CEO, NordGen</i>
17.30	NordForsk initiatives and possibilities for funding <i>Arne Fløyen, Director, NordForsk</i>
17.45	The Nordic Forestry, Veterinary and Agricultural (NOVA) University Network <i>Ylva Hillbur, Pro-Vice Chancellor for International Relations, Swedish University of Agricultural Sciences</i>
18.00	Closing remarks
19.00	Dinner

Day 2: Reflections on the future for the PPP cooperation

Facilitator: *Lise Lykke Steffensen, CEO, NordGen*

Time	Activity
	Session 4: Reflections on the future
09.00	Introduction <i>Birgitte Lund, Chairperson of PPP Steering Committee and Lise Lykke Steffensen, CEO, NordGen</i>
09.15	Genetic resources enhancement from a Finnish perspective <i>Merja Vetelainen, Boreal</i>
09.30	Cereals with loud thoughts from Norway <i>Muath Alsheikh, Graminor</i>
09.45	Regarding forage crops with a view from Denmark <i>Klaus K. Nielsen, DLF Trifolium (tbc)</i>
10.00	Sweden's perspective regarding new techniques <i>Annette Olesen, Lantmännen</i>
10.15	Breeding for future biotic stress – a general approach <i>Rasmus Lund Hjortshøj, Sejet Planteforædling (tbc)</i>
	Coffee break
10.30	Group discussions on future ambitions and project ideas
11.30	Feedback from groups
12.30	Capture of ideas and process forward
12.50	Closure of the workshop
13.00	Lunch and networking