

Plant Breeding Workshop – Breeding pipelines

Workshop webpage: <http://www.ccrp.org/events/breeding-pipeline-workshop>

Workshop Dropbox: <https://www.dropbox.com/sh/li0y5s0bjwh2xbh/AADnZ12Ueoanxt07ppIKBbh-a?dl=0>

PROGRAMME

McKnight Foundation CCRP Breeding Pipeline workshop, Arusha, August 3-7, 2015: Program overview

Each day will have four sessions - 2 in the morning, 2 in the afternoon, separated by coffee/lunch breaks; Session A: ca. 08.30-10.30h; Session B: 11.00-13.00h, Session C: 14.15-16h; Session D: 16.15-18h

Sessions consist of a key presentation followed by reflections on participants' breeding programs

Day	Session	Theme	Lead
Mon	1A	<p>Welcome</p> <p>Workshop program & objectives</p> <p>CCRP and crop improvement</p> <p>CCRP principles - handout</p>	<p>Paul</p> <p>Prudence</p> <p>Rebecca</p>
	1B	<p>Introduction of participants. Gallery walk of posters, followed by group discussion</p>	All
	1C	<p>Breeding pipelines (BP)- Conceptualizing the principal steps and processes, and related issues, including farmer participation (Refer to Table 1)</p>	Eva
	1D	<p>Reflection: How do our specific breeding pipelines look like – what are the needs for support (start filling in Template 2)</p>	All
Tue	2A	<p>Overnight thoughts, summarizing support needs?</p> <p>Selection theory – determinants of gains from selection – optimization of breeding programs</p>	<p>Prudence</p> <p>Wolfgang</p>
	2B	<p>Questions and answers on selection gain, participants identifying opportunities and constraints, add sticker to poster template?</p>	Wolfgang
	2C	<p>Crop genetic diversity - background concepts</p> <p>Legal framework (farmers' rights, breeders' rights, human rights)</p>	<p>??</p> <p>Bettina/Anja</p>
	2D	<p>Modern tools in crop improvement</p>	Jeff Ehlers
Wed	3A	<p>BP Step 1: Definition of goal and objectives of a breeding program</p>	Eva
	3B	<p>BP Step 2: Generating variability - principles</p>	Wolfgang
	3C	<p>BP Step 3: Development of experimental cultivars – program design questions, Direct versus indirect selection, including private sector perspective</p>	Wolfgang
	3D	<p>Selection for specific traits: example root traits, other examples from participants for discussion, possibly parallel groups: breeding for improved nutrition (led by Eva), yield stability (led by Bettina)</p>	<p>Magalhaes</p> <p>Miguel?</p>

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Thur	4A	BP Step 4: Testing experimental varieties: Multi-environment trials, OxC	Ric
	4B	BP Step 5: Variety release and dissemination- Seed systems work	Eva
	4C	Farmer research networks and crop improvement	Charles
	4D	Data management along the pipeline, integrated breeding platform Participants diagnostics	Ric, Eva
Fri	5A	Questions and Answers, identify opportunities for cooperation	All
	5B	Participants to present their breeding pipeline poster, and next steps	All
	5C	Final burning issues	
	5D	Workshop evaluation, closure	