

Second HTPG Workshop on Forward Breeding for Crop Improvement

December 4–6, 2017

ICRISAT, Patancheru,
Telangana, India

Technical Program

Day 1 – Monday, December 4, 2017

10:30–10:45	Hotel pickup and travel to ICRISAT	
12:00–13:00	Pre-Meeting Lunch	204 Banquet Hall
13:00–13:30	Registration (212 Foyer)	
Session I	Pre-workshop (Parallel sessions)	
Session I (a)	(Special invitees only) – iHub Conference Room	
13:30–16:00	HTPG technical steering committee meeting & EiB Module 3 EAG meeting	Eng Hwa Ng Mike Olsen
Session I (b)	212 Conference Room (Open to all)	
13:00–14:45	Hands-on Demo on Barcoding and Sampling	Trevor Rife et. al.
14:45–15:15	Tea/Coffee	212 Foyer
15:15–15:45	Hands-on Demo on Barcoding and Sampling	Abhishek Rathore
15:45	Move to Ralph W Cummings Auditorium	
(Venue: Ralph W Cummings Auditorium)		
16:00–17:30	Inaugural Session	
	Welcome remarks	Rajeev Varshney
	Opening remarks by ICRISAT DG	David Bergvinson
	Redesigning breeding pipelines to apply high-throughput genotyping to increase rate of genetic gains	Gary Atlin
	Excellence in Breeding (EiB) platform- via WEBEX	Michael Quinn
Group Photo		
18:00–19:00	Cocktail social	IMOD Plaza
19:00–21:00	Dinner	

Day 2 – Tuesday, December 5, 2017

(Venue: PTTC Conference Center)

07:00–07:15	Hotel pickup and travel to ICRISAT	
08:00–08:30	Registration	
Session II	HTPG Updates, Case Studies and Industry Perspectives	
[08:30–10:00]	Chair : Ponnusamy Umashankar	
08:30–09:00	HTPG Updates	Eng Hwa Ng

09:00–10:00	Industry Perspectives Mahindra Agri Solutions Ltd Syngenta Pioneer Hi-Bred	Pawan Khera Suresh Kadaru Raman Babu
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10:00–10:30 *Coffee Break*

Session III <i>[10:30–12:00]</i>	HTPG Case Studies Chair : Ramanathan Vairamani	
10:30–12:00	Maize – Quality control analysis using low-density markers and line profiling against/ for MSV and MLN resistance Rice –IRRI-TRB and HTPG initiatives for modernizing rice breeding in India Cassava – High throughput SNP markers for rapid allele mobilization and routine QC fingerprinting	Julius Sserumaga Wricha Tyagi Ismail Rabbi

12:00–13:30 *Lunch Break* (Sampling and barcoding Demo booth) PTTC Area

Session IV <i>[13:30–15:00]</i>	Crop Center Wise Updates Chair : Eng Hwa Ng	
13:30–14:45	Crop & center update (Feedback and projections)- 10 mins each CIMMYT- Maize & Wheat IRRI – Rice CIP – Potato ICRISAT – Groundnut, Pearl Millet, Chickpea, Pigeonpea IITA – Maize, Cassava, Cowpea AfricaRice – Rice CIAT – Common bean	Susanne Dreisigacker Tobias Kretzschmar Hannele Lindqvist-Kreuzer Janila Pasupuleti Melaku Gedil Kofi Isaac Bimpong Bodo Raatz
14:45–15:00	Discussions	

15:00–15:30 *Coffee Break*

Session V <i>[15:30–17:00]</i>	Special topics Chair : Manish Roorkiwal	
15:30–15:50	EiB Module 3- Genotyping and sequencing	Mike Olsen
15:50–16:10	HTPG-GOBII Integration	Himabindu Kudapa
16:10–16:30	Genotyping QC in breeding program	John Carlos Ignacio
16:30–16:50	Linking HTPG DNA sampling to BMS and genomic databases	Abhishek Rathore
16:50–17:00	Second day wrap-up	
18:30–21:00	Dinner	204 Banquet Hall

Day 3 – Wednesday, December 6, 2017
(Venue: PTTC Conference Center)

07:00–07:15 Hotel pickup and travel to ICRISAT

Session VI <i>[08:30–15:30]</i>	Vendor Updates and Brainstorming Chair : Rajeev Varshney	
08:30–09:00	Intertek report	Patrik Stolt et al.

09:00–10:00	Breakout - Part I* Group 1: New client engagement strategy for HTPG Group 2: Implementation of routine QC pipeline	Eng Hwa Ng Sudha Nair
10:00–10:30	<i>Coffee Break</i>	
10:30–12:00	Breakout - Part II* Group 1: Decision support tools Group 2: Sampling and Logistics Group 3: Breeding pipeline Integration	Manish Roorkiwal John Carlos Ignacio Himabindu Kudapa
12:00–13:00	<i>Lunch Break</i>	
Session VII	Breakout reports (10 min each)	
13:00–13:30	Breakout report back (Part I)	
13:30–14:15	Breakout report back (Part II)	
14:15–15:00	Wrap-ups and feedbacks EiB, CGIARs, NARS, etc	Mike Olsen et al.
15:00–15:30	Closing Remarks Vote of Thanks	Peter Carberry Himabindu Kudapa
15:30–16:00	<i>Coffee Break</i>	
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17:00–18:00	Inaugural Session for 10th Anniversary of CEG (Venue: Ralph W Cummings Auditorium)	
18:30	<i>Cocktail Dinner (Venue: IMOD Plaza)</i>	

* Refer to name tag for breakout group assignments