

IWYP CONFERENCE: TRANSLATING DISCOVERY INTO IMPACT

September 10 and September 12, 2025

9 AM – Noon (US Eastern Time/2 PM UK/3 PM EU/9 PM Shenzhen)

Format: Conference will highlight/update past and future IWYP projects/concepts with 15 min presentations (with 5 min follow for questions/discussion)

DAY ONE (September 10)

9:00-9:05 Welcome – Dick Flavell, IWYP

9:05-9:10 Housekeeping and Update on IWYP - Jeff Rosichan, IWYP

Session 1: Yield (Chair – Mary Guttieri, USDA-ARS)

9:10-9:15 Opening remarks from Chair

9:15-9:35 Update on CIMMYT yield outputs and international yield trials – Matthew Reynolds, CIMMYT

9:35-9:55 Managing carbon for grain yield: Sustainable wheat yield improvements with T6P - Matthew Paul, Rothamsted

9:55-10:15 Modelling, designing better yield for wheat of the future – Senthil Asseng, TUM

10:15-10:35 BREAK

Session 2: Drought and Heat Resilience (Chair – Gemma Molero, KWS)

10:35-10:40 Opening remarks from Chair

10:40-11:00 Drought tolerance from Aegilops selections - Ed Akuhn, KSU

11:00-11:20 Trials and selections for drought and heat tolerance - Matthew Reynolds, CIMMYT

11:20 -11:40 Alleviating wheat constraints through pre-breeding with wild relatives, landraces etc -Phil Howell, Niab

11:40-11:50 Close, including requests for new Leads for pipelines and projects - Jeff Rosichan, IWYP

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DAY TWO (September 12)

9:00-9:05 Welcome and Housekeeping - Jeff Rosichan, IWYP

Session 3: SEQUENCING, PHENOTYPING AND PIPELINES (Chair –Sussane Dreisigacker, CIMMYT)

9:05-9:10 Remarks from Chair

9:10-9:30 Past Projects—What's in the CIMMYT Pipeline. A Translation Story so Far – Carolina Rivera, CIMMYT

9:30-9:50 Phenocart - Ground based field phenotyping - Jiemeng Xu, CIMMYT

9:50—10:10 Harnessing sequenced- based haplotypes within IWYP – Sussane Dreisigacker, CIMMYT

10:10-10:25 BREAK

Session 4: ROOT MICROBE INTERACTIONS AND HYBRIDS (Chair – Victor Kommerell, CIMMYT)

10:25-10:30 Opening remarks from Chair

10:30-10:50 Wheat lines differing in yield, root architecture and mucilage secretion show associated differences in rhizosheath microbiome composition - Eric Ober Niab

10:50-11:10 Nitrification Control via Crops - Hannes Karwat, CIMMYT

11:10-11:30 Enhanced Endosymbiosis in Wheat - Myriam Charpentier, JIC

11:30-11:50 New Leads for heterotic hybrid seed production – Jessie Alt, Corteva

11:50-12:00 Close, including requests for new Leads for pipelines and projects, IWYP going Forward - Dick Flavell, IWYP