Increasing Genetic Gains for Food Security

Successes and Challenges in Applying Genomics Tools to Developing Country Breeding Programs

The application of genomics in plant breeding is providing new tools and strategies to enhance breeding programs to improve genetic gain. Unfortunately, this potential has not easily exploited in many breeding programs due to challenges in funding, infrastructure, and training. In this panel discussion, we will have an opportunity to hear about how genomic tools are being implemented in applied breeding programs in diverse species and global contexts.

The Panel
- Ndiaga Cissé, ISRA-CERAAS, Senegal
- Clare Mukankusi, International Centre for Tropical Agriculture (CIAT), Uganda
- Paul Gibson, Makerere University, Uganda
- Heather Burrow, Cooperative Research Centre for Beef Genetic Technologies, Australia

The Questions
- What species and breeding system?
- What are the key constraints to productivity?
- What are the main constraints to application of genomics tools in your situation?

Presentations will be followed by a time for questions from the audience.

Discussion
We heard from the panel about the challenges of implementing genome tools in plant and animal breeding in a range of different contexts. Now we want to take questions from the audience to finish the hour.