2019 G2F GxE Collaborator's Meeting
Phenome Meeting

Date: Wednesday, February 6th, 2019
Time: 10:00AM to 4:00 PM
Location: Hilton El Conquistador Resort - 10000 North Oracle Road, Oro Valley, AZ, 85704

Agenda:

10:00 – 10:15AM – Welcome and Introductions

10:15 – 10:30AM – "The Genomes to Fields (G2F): GxE Project Description" – GxE Project – Naser AlKhalifah, Univ. of Wisconsin

10:30 – 10:45AM – "GEMS and G2F: Progress Toward Real-Time Data Submission and Analysis for our Breeding Community" – Kevin Silverstein, Univ. of Minnesota

10:45 – 11:00AM – "Overview of Current Experiment in the G2F: GxE Project" – Bridget McFarland, Univ. of Wisconsin

11:00 – 11:15AM – "G2F Mission & Outlook" Natalia de Leon, Univ. of Wisconsin

11:15 – 11:30AM – "G2F Funding Status and Lobbying Efforts" – David Ertl, Iowa Corn Growers

11:30 – 11:45AM – "Maize Stalk Lodging: Quantifying Complex Multi-Scale Phenotypes" - Daniel Robertson, Univ. of Idaho

11:45 – 12:00PM – "High Throughput Phenotyping with Compact, Autonomous, and Teachable Robots" - Girish Chowdhary, Univ. of Illinois

12:00 – 1:00PM – *Break and executive lunch served*

1:00 – 1:15PM - "Phenomic Prediction Using Unmanned Aerial Systems in the Texas G2F" – Seth Murray, Texas A&M University

1:15 – 1:30PM – "Assembling Temporal Growth Curves of the Genomes to Fields (G2F) College Station, TX Trials Utilizing Unmanned Aerial Systems" – Steven Anderson, Texas A&M University

1:30 – 1:45PM – "Understanding and Predicting the Phenotypic Plasticity Captured in Genomes to Fields (G2F)" – James McNellie, Iowa State University

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1:45 – 2:15PM – *Coffee break*

2:15 – 2:30PM – "Genetic Variation for Maize Grain Yield in the North American Commercial Germplasm Pool" - Jode Edwards, Iowa State University

2:30 – 2:45PM – "Crop Growth Model Simulation of G2F Common Hybrids" – Cassie Winn, Iowa State University

2:45 – 3:00PM – "Environmental Data Generation, Collection, and Storage for Cross-Scale Phenotype Predictability in the G2F Initiative" – Parisa Saraeim, Alessandro Amaranto, Gabriel Lopez-Morteo, Diego Jarquin, and Francisco Munoz-Arriola, Univ. of Nebraska

3:00 – 4:00PM – Discussion Regarding Image Analysis Tools and Needs – Edgar Spalding, Univ. of Wisconsin

Adjourn – 4:00PM