

Wageningen BrAPI Hackathon 2019 Agenda

Monday April 29th to Friday May 3rd, Wageningen University & Research.

Project Highlights

Below is a list of some of the more popular group projects which will be worked on, based on the registration survey.

- JSON-LD
- BrAPI-R
- Flapjack
- Various connections to BreedBase (HIDAP, PhenoApps, Image Processing)
- TERRA-REF
- KSU FieldBook (and other PhenoApps)
- Sample Submission Automated Workflow
- Genotyping data discovery

Day 1: Monday April 29, 2019

9:30 - 10:00	Group Intro and Tech Setup - All Participants	
10:00 - 11:00	Community Updates 10 min presentations <ul style="list-style-type: none">- Description of the tool/application/project- How you use (or hope to use) BrAPI- Highlight any BrAPI related Wins- Overview of BrAPI related challenges	Project Work Time
11:00 - 11:15	Break	
11:15 - 12:30	Community Updates (continued)	
12:30 - 13:30	Lunch - All Participants	
13:30 - 15:30	BrAPI for Beginners <ul style="list-style-type: none">- BrAPI 101 presentation by Peter Selby- Hands on coding example	Project Work Time
15:30 - 15:45	Break	
17:25 - 17:30	Wrap up Day #1	

Day 2: Tuesday April 30, 2019

9:30 - 9:35	Morning Announcements	
10:00 - 11:00	Planning BrAPI Version 2 <ul style="list-style-type: none">- Release Schedule- Target Contents- Splitting BrAPI	Project Work Time
11:00 - 11:15	Break	
12:30 - 13:30	Lunch - All Participants	
13:30 - 14:30	Improving the Genotype data model <ul style="list-style-type: none">- Building on GA4GH model	Project Work Time
15:30 - 15:45	Break	
15:45 - 16:45	Linking External Standards to BrAPI <ul style="list-style-type: none">- MIAPPE, MCPD, ICASA, Ontologies, etc- How to document links between concepts	
17:25 - 17:30	Wrap up Day #2	

Day 3: Wednesday May 1, 2019

9:30 - 9:35	Morning Announcements	
10:00 - 11:00	Planning High Throughput Phenotyping API <ul style="list-style-type: none">- Define 1-3 generic use cases- First draft of models and calls needed for those use cases	Project Work Time
11:00 - 11:15	Break	
12:30 - 13:30	Lunch - All Participants	
13:30 - 15:30	The G2P-SOL Training School: BrAPI Interaction with Industry Showcase on how BrAPI can be used by end-users: <ul style="list-style-type: none">- Load data from any BrAPI data source right into R and analyses- Visualize geographic information about germplasm and trials by plotting the data on a map- Use mobile devices to collect field trial data and directly import it into the BrAPI data source- Pull genotypic data from any BrAPI data source and visualize it using tools like Flapjack	Project Work Time
15:30 - 15:45	Break	
17:25 - 17:30	Wrap up Day #3	

Day 4: Thursday May 2, 2019

9:30 - 9:35	Morning Announcements	
10:00 - 11:00	Planning Breeding Crosses API <ul style="list-style-type: none">- Define 1-3 generic use cases- First draft of models and calls needed for those use cases	Project Work Time
11:00 - 11:15	Break	
12:30 - 13:30	Lunch - All Participants	
13:30 - 14:30	Planning Agronomy API <ul style="list-style-type: none">- Define 1-3 generic use cases- First draft of models and calls needed for those use cases	Project Work Time
15:30 - 15:45	Break	
17:25 - 17:30	Wrap up Day #4	

Day 5: Friday May 3, 2019

9:30 - 9:35	Morning Announcements	
11:00 - 11:15	Break	Project Work Time
12:30 - 13:30	Lunch - All Participants	
13:30 - 15:30	Project Presentations - All Participants	
15:30 - 15:45	Break - All Participants	
15:45 - 17:00	Project Presentations - All Participants	