

## Successful Plant Modelling and Phenotyping for the Nordic Countries – What is Needed?

3rd NordPlant annual meeting, 25-26 November, 2021

Venue: Tromsø, Norway

Last updated: 2021-09-28

<b>Information and registration at <a href="http://www.nordplant.org">www.nordplant.org</a> or <a href="#">here</a></b>		<b>Venue: Tromsø, Norway</b>
<b>Time</b>	<b>Activity</b>	<b>Speaker</b>
22-24 November	<b>Mini-course:</b> <a href="#">Novel Imaging Methods in Plant Stress Research</a>	Contact <a href="mailto:laura.jaakola@uit.no">laura.jaakola@uit.no</a> to register.
	<b>Wednesday 24 November</b>	
15:00-18:00	Meeting of the NordPlant common data standards group	
	<b>Thursday 25 November</b>	
9:00-12:00	NordPlant facility managers' forum, including study visit at ClimaLab	
12:00	Lunch and registration	
	<b>Theme 1: What is needed for a strong Nordic phenotyping community</b>	
13:00-13:10	Welcome	Erik Alexandersson, coordinator NordPlant/SLU
13:10-13:40	Epigenetic variation in Arabidopsis	Magnus Nordborg, Gregor Mendel Institute, Austrian Academy of Sciences
13:40-14:05	Arctic Carbon Storage from Biomes (ABSORB-project) – establishing imaging and phenotyping of Arctic biomass in UiT	Katja Karppinen, UiT/Markku Keinänen, UEF
14:05-14:25	Automatic Tree Phenotyping at Umeå Plant Science Centre	Ove Nilsson, SLU
14:25-15:00	Coffee	
15:00-15:30	Plant phenotyping – the return of plant physiology? Are we missing something?	Eva Rosenqvist, UCPH
15:30-15:55	Implementing an ontology-driven information system to support a joint data standard for Plant Phenotyping in the Nordic countries	Jesper Cairo Westergaard, UCPH; Tatu Polvinen, UHEL
16.00-16.45	Panel discussion: Successful Plant Modelling and Phenotyping for the Nordic Countries – What is Needed?	Eva Rosenqvist, Jørgen A. B. Mølmann, Markku Keinänen, Morten Lillemo, Ove Nilsson, Rick van de Zedde

16:45-17:00	Comparison of macroscopic and microscopic phenotyping of powdery mildew-infected barley	Chandana Pandey, UCPH
17:00-17:15	Profiling of BABA- and phosphite-induced potato plants using two Nordic high-throughput phenotyping facilities and enzymatic activity profiling	Murilo Araujo Sandroni, SLU
17:15-18:30	Poster session with snacks	
19.00	Dinner	
	<b>Friday 26 November</b>	
	<b>Theme 2: Phenotyping and modelling in the Nordic countries</b>	
8:30-9:00	Influence of Arctic light conditions on crop production and quality	Jørgen A. B. Mølmann, NIBIO
9:00-9:30	Assessment of wild blueberry phenotype, phenology, and berry yield using unmanned aerial vehicle systems	David Percival, Dalhousie University, Canada
9:30-10:00	Coffee	
10:00-10:15	Computer vision for crop disease recognition and quantification	Junfeng Gao, University of Lincoln
10:15-10:30	American cranberries under Nordic light	Susanna Simovaara, UHEL
10:30-11:00	Title TBA	Rick van de Zedde, WUR
13:00-15:00	Internal NordPlant steering committee meeting	Internal