The 5th Annual - Nordic Plant Phenotyping Network Workshop Hotel Skansen – Bådstad, Sweden - November 21st – 22nd, 2019

'Phenotyping in practice – experiences with phenotyping in breeding"

Thursday – November 21			
9.30-10.00	Workshop registration and coffee		
10.00-10.15	Official Welcome		
10.15-10.40	Summarizing growth - the development seen from above Signe Marie Jensen, Assistant Professor, University of	Presentation (20 min) & discussion (5 min)	
	Copenhagen		
10.40-11.05	A note about radiometric calibration of drone (remote sensing) images	Presentation (20 min) & discussion (5 min)	
	Jesper Svensgaard, Phd fellow, University of Copenhagen		
11.05-11.30	Extracting field plot image data in QGIS: General concepts and PlotCut 3 status	Presentation (20 min) & discussion (5 min)	
	Jesper Cairo Westergaard , Research IT Coordinator, University of Copenhagen		
11.30-11.45	Short bio break		
11.45-13.00	What are the limits for crop phenotyping using drones and ground-based platforms?	Keynote presentation (45 min) & discussion (30 min)	
	Malcolm Hawkesford, Head of Plant Science and Designing Future Wheat (ISP) Leader, Rothamsted Research, UK	Timity & discussion (so timity	
13.00-14.15	Lunch	,	
14.15-15.30	Hyperspectral imaging in the UV-range – new steps in phenotyping	Keynote presentation (45 min) & discussion (30 min)	
	Anna Brugger , Institute of Sugar Beet Research, University of Goettingen	, , , ,	
15.30-16.10	Coffee Break		
16.10-16.35	Detecting potato late blight in the field	Presentation (20 min) &	
	Erik Alexandersson , Associate Professor, Swedish University of Agricultural Sciences	discussion (5 min)	
16.35-17.00	Integrating multiple sensors for phenotyping – case studies	Presentation (20 min) &	
	Aakash Chawade, Associate Professor, Swedish University of Agricultural Sciences	discussion (5 min)	
17.00-17.25	Genotype-to-phenotype mapping of selected species/accessions	Presentation (20 min) &	
	Svend Christensen, Head of Department of Plant and Environmental Sciences, University of Copenhagen	discussion (5 min)	
18.15-22.00	The NPPN Dinner		

Friday – November 22 NB: This day is for 6P2 project partners only.			
7.30-9.00	Breakfast		
9.00-9.25	Phenotyping a dynamic trait: leaf growth response to environmental restrictions Kristina Jaskune, Lithuanian Research Centre for Agriculture and Forestry (LAMMC)	Presentation (20 min) & discussion (5 min)	
9.25-9.50	Overview of relevant field phenotyping activities at NMBU and progress in predicting grain yield from multispectral UAV images Morten Lillemo, researcher, Norwegian University of Life Sciences	Presentation (20 min) & discussion (5 min)	
9.50-10.15	Phenotyping of sugar beet seeds: A case for machine learning Tobias Ekblad, Seed Quality Lead, MariboHilleshög (DLF)	Presentation (20 min) & discussion (5 min)	
10.15-10.45	Coffee Break		
10.45-11.10	Drone image based predictions in a breeding program Winnie Fücthbauer, Faba bean breeder/Head of laboratory, Sejet	Presentation (20 min) & discussion (5 min)	
11.10-11.35	NDVI in Winter wheat Karl-Johan Langvad, Secobra Recherces/Lantmännen	Presentation (20 min) & discussion (5 min)	
11.35-12.00	A practical view on drones in a potato field Ea Høegh Riis Sundmark, Assistant breeder, Danespo	Presentation (20 min) & discussion (5 min)	
12.00-12.10	Short bio break		
12.10-13.10	The 5 th Annual NPPN General Assembly		
13.10-14.25	Lunch		
14.25-16.00	Plenum discussion: Going forward in 6P2 – what does the future hold Facilitated by Bo Gertsson and Svend Christensen With coffee, tea and cake		
16.00-16.15	Final Remarks		