



Nordic PhD course in plant imaging and phenotyping in Tromsø, Norway 22.-26.11.2021 (3 ECTS)

Course topic: Novel imaging methods in plant stress research

Place: UiT The Arctic University of Norway

Time of the course: Lectures and practical part 22.- 24.11.2021, and attending **3rd NordPlant Annual meeting 25.-26.11.2021 "Successful Plant Modelling and Phenotyping for the Nordic Countries – What is needed?"**

Content:

- Lectures 6h by Prof. Markku Keinänen (UEF/UiT) and 1 h by Jesper Cairo Westergaard (UCPH)
- Practical course: Imaging of plant stress symptoms with PlantEye scanner, hyperspectral and thermal camera
- One day for practising/demonstration of computational data processing of the results and additional drone imaging results
- Participants will write report about the experimental work
- Participants will also write short summary of five NordPlant workshop presentations according to their interest

Schedule:

Monday 22.11.

Lectures on UiT campus 2h + 2h by Markku Keinänen + 1h by Jesper Cairo . 10:00 – 12:00, 13:00 – 16:00

Tuesday 23.11.

Phenotyping & imaging experimental analyses at Climate laboratory. 9:00 - 16:00

Wednesday 24.11.

Lectures 2h (data handling) and practising/demonstration of computational data processing of the results on campus 9:00 - 11:00, 12:00 - 16:00

Thursday 25.11.

Summary of the practical course & guiding for the project reports 9:00 - 11:00

NordPlant workshop 12:00 - 17:15

Friday 26.11.

NordPlant workshop 8:30 - 11:00

Course is free for Nordic PhD students and NordPlant can cover travel costs of few selected participants. Maximum amount of participants is 20. Registration by 15.10.2021.

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