





INVITATION

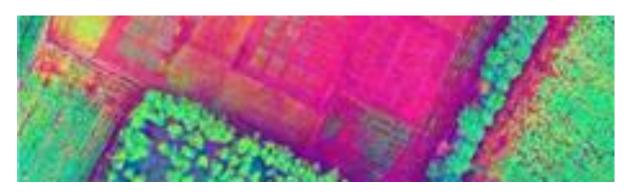
NemDetect Workshop

17 January 2023 at 10 CET

Online event

Link and passcode on Zoom: https://us06web.zoom.us/j/84168261175?pwd=L1Frais0NG9BTWs1RGhBZHREZmVRZz09 Meeting ID: 841 6826 1175

Passcode: 451449



PROGRAMME

Part 1: Introduction to nematodes

10:00	Project NemDetect
	Uroš Žibrat, Agricultural Institute of Slovenia
10:20	Introduction to plant parasitic nematodes (PPN)
	Nicole Viaene, ILVO Vlaanderen, BE
10.40	Distribution and spread of root knot (RKN) and potato cyst (PCN) nematodes
	Saša Širca, Agricultural Institute of Slovenia
11:00	Methods of nematode detection
	Barbara Gerič Stare, Agricultural Institute of Slovenia







Part 2: Introduction to remote sensing

11:20	Basics of remote sensing
	Uroš Žibrat, Agricultural Institute of Slovenia
11:40	Sensing and sensors, from handheld to satellite
	Matej Knapič, Agricultural Institute of Slovenia
12:00	High-throughput phenotyping
	Ankush Prashar, University of Newcastle, UK
12:20	Spectral imaging data processing
	Janez Lapajne, Agricultural Institute of Slovenia

20-minute break

Part 3: Examples of plant disease and stress detection using remote sensing

13:00	Plant stress detection using multispectral imaging
	Jonathan Van Beek, ILVO Vlaanderen, BE
13:20	Non-invasive detection of plant parasitic nematodes using remote sensing systems
	Andrej Vončina, Agricultural Institute of Slovenia
13:40	In-field detection of beech leaf disease using near-infrared spectroscopy: a tool for efficient surveying
	Enrico Bonello, Ohio State University, US
14:00	Detection of nematode infections in potato tubers
	Jonathan Van Beek, ILVO Vlaanderen, BE
14:20	Multimodal nematicidal and plant growth-promoting effects of Bacillus firmus I-1582
	Nik Susič, Agricultural Institute of Slovenia

Part 4: Using RS on your own

14:40	Guidelines for implementing remote sensing in plant protection assessment schemes
	Uroš Žibrat, Agricultural Institute of Slovenia
15:00	Wrap up and discussion
	All participants