



INNOREGION KNOWLEDGE CENTRE

Project identification number: SKHU/1601/4.1/052

SUMMER SCHOOL ON REMOTE SENSING METHODOLOGIES IN AGRICULTURE

SZERENCS, 2 JULY 2018 – 4 JULY 2018

AGENDA	
STUDY UNIT I – APPLIED REMOTE SENSING SOLUTIONS	
2 July 2018 Monday	
08:00-09:50	Registration
09:50-10:00	Dr. Kálmán Liptai (Rector of Eszterházy Károly University): Opening the Summer School
10:00-11:30	Dr. Szilárd Szabó (University of Debrecen): Basics of remote sensing
11:30-13:00	Lunch break
13:00-14:30	Dr. Tünde Fórián – Csongor Sovány (KITE Zrt.): The opportunities and challenges of precision agriculture
14:30-14:40	Break
14:40-16:10	Dr. Endre Dobos (University of Miskolc): Field scale soil variability mapping to support precision agriculture
3 July 2018 Tuesday	
09:00-10:30	Boglárka Keller (National Agricultural Research and Innovation Centre): Applying hyperspectral remote sensing processes in precision agriculture
10:30-10:40	Break
10:40-12:10	Márk Pálinkás (Amores Robotics Kft.): Monitoring of agricultural fields, game damage survey with visual interpretation according to UAV images
12:10-13:30	Lunch break
STUDY UNIT II – IMAGE PROCESSING AND ANALYSIS	
13:30-15:00	Dr. Sándor Király (Eszterházy Károly University of Applied Sciences): Analyzing the fertility of energy plants by processing UAV images
15:00-15:10	Break
15:10-16:40	Melinda Pap (Eszterházy Károly University of Applied Sciences): GIS data processing by the help of machine learning
4 July 2018 Wednesday	
STUDY UNIT III – TECHNOLOGICAL SESSION	
08:30	Travel to the field work (Mád, Nyulászó Dűlő) Meeting point: hall of the hotel
09:00-12:10	Eduard Dvorný (Pavol Jozef Šafárik University): Aerial laser scanning and UAV photogrammetry
12:30-13:45	Lunch break
13:45-15:15	Mgr. Michal Lacko (Pavol Jozef Šafárik University): UAV in agriculture - examples of UAV use from Slovakia
15:15-15:45	Delivery of certifications

LOCATION INFORMATION

The Summer School takes place in Hotel Meggyes ([Szerencs](#), Zrínyi street 9). Lectures are held in the conference room of the hotel. Meals are served in the restaurant of the hotel.