Workshop on Advanced Earth Observation, Machine Learning and Artificial Intelligence for Agricultural Applications

MULTI-SOURCE REMOTE SENSING FOR AGRICULTURE

Date: September 10th, 2025

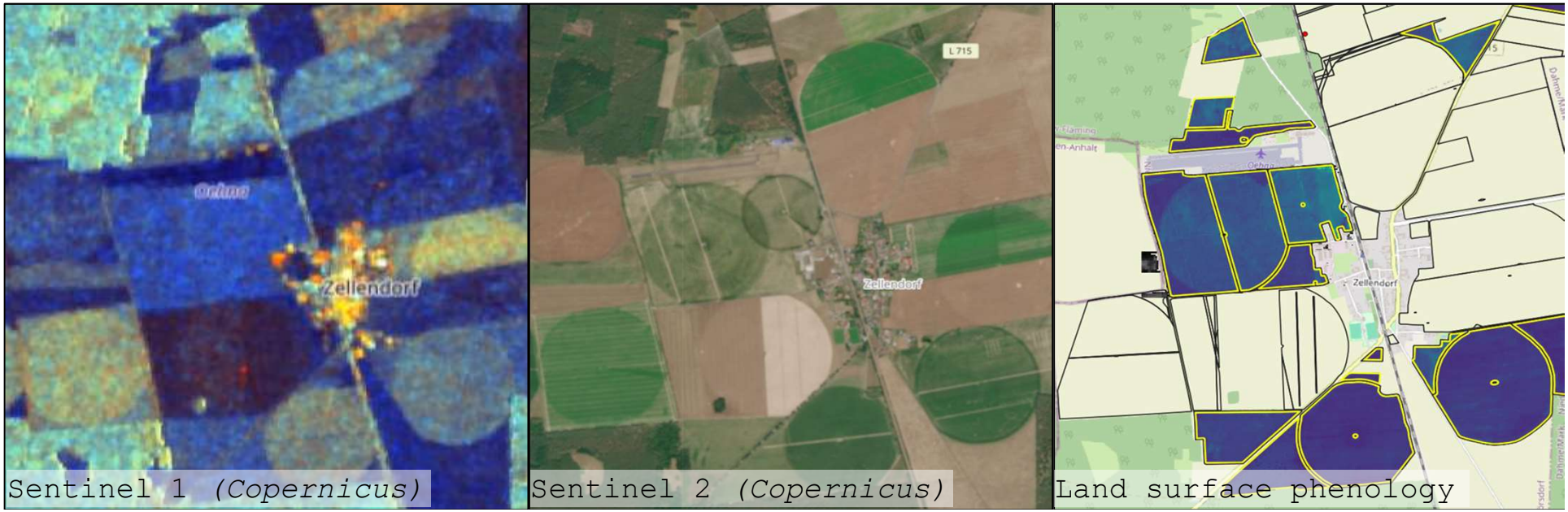
Location: Hybrid – Online & In-Person (at ZALF)

Registration

KIKompAg

Gefördert durch:
Bundesministerium für Forschung, Technologie und Raumfahrt

Finanziert von der Europäischen Union
NextGenerationEU



Tentative Plan

Time	Presenter	Activity
8:30 – 9:00		Reception and registration
9:00 – 9:15	Prof. Dr. Claas Nendel	Welcome and opening remarks (Introduction of KIKompAg Project)
9:15 – 10:15	Prof. Dr. Patrick Hostert	Invited presentation: Novel Opportunities in Optical Remote Sensing for Agricultural Remote Sensing Towards 2030.
10:15 – 11:00	Dr. Gohar Ghazaryan	Presentation: Synergistic Use of Artificial Intelligence and Multi-Source Remote Sensing in Agriculture
11:00 – 11:15	Coffee break	
11:15 – 12:00	Dr. Benjamin Jakimow	Hands-on: EnMAP-Box
12:00 – 13:00	Lunch	
13:00 – 14:15	Dr. Magdalena Main-Knorn	Presentation: The Impact of PlanetScope-Sentinel-2 Data Fusion on Phenometrics Retrieval. Hands-on: Phenology assessment using original and synthetic optical RS data and RF-based fusion model.
14:15 – 14:30	Coffee break	
14:30 – 15:30	Jahidur Rahaman	Hands-on: Fusion of optical and SAR time series for improved characterisation of crop growth in North East Germany.
15:30 – 16:00	Prof. Dr. Claas Nendel Prof. Dr. Patrick Hostert Dr. Gohar Ghazaryan Dr. Magdalena Main-Knorn	Final discussion
End of the workshop (Group Photo)		

Registration: https://forms.office.com/r/MsqAJ8JdZq

Deadline: September 1st, 2025