

Automated Sentinel data processing on different HPC environments.

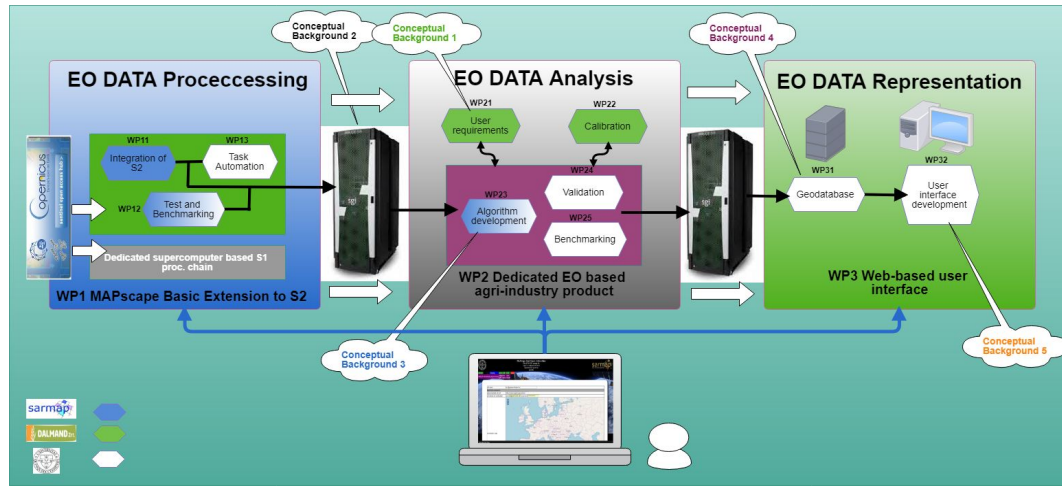
SCERIN-7 Capacity Building Workshop
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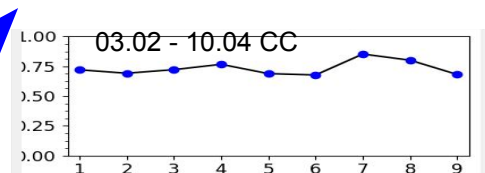
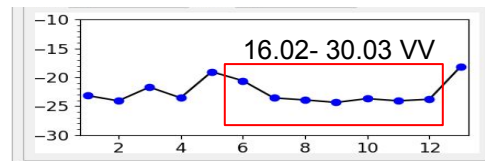
Integrated, timely relevant application of Sentinel data fusion in agricultural sector

How we can develop a diagnostic system? which provides insight into **crop production practice** for the professionals through remote sensing data at the requested point and time.

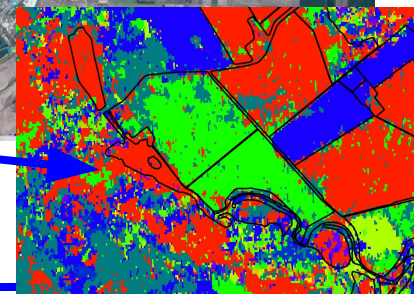
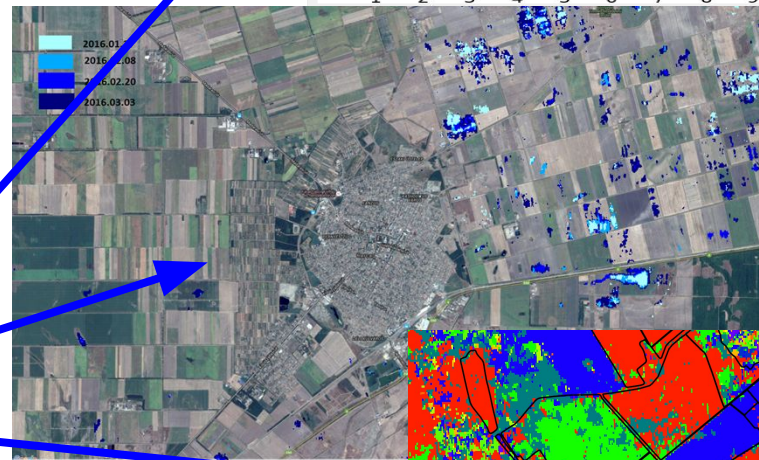
Based on fully automated Sentinel data processing chain and wise combination of different time series product on HPC the farmers are supported their decisions at different level.



Product development



UR code	product	utilization
UR01	Timely relevant product	
UR011	CEREALS	
UR01101	Snow cover	General information on potential soil moisture, frost protection and field availability for machineries.
UR01102	Frost detection	Frost affected are, but not totally damaged, management information which can be integrated into the later practical decision.
UR01103	Soil moisture	Important information for operational decision.
UR01104	Water excess	Temporal early spring local floods can affect land management activities; field availability.
UR01105	Preparation for 1. top up fertilization	Status recording before the treatment, support the variable rate fertilization.



Thank you for your kind attention

