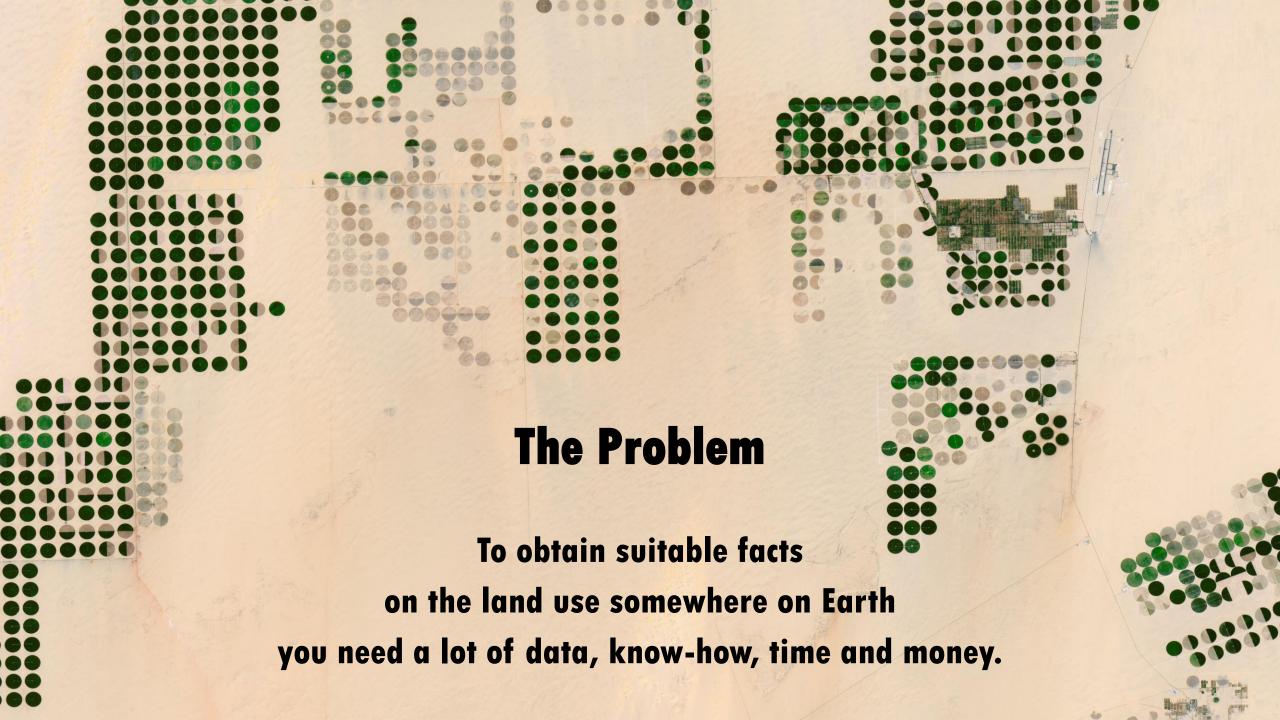


Earth Observation and Artificial Intelligence — Applications in Agriculture

Dr. Sebastian Fritsch

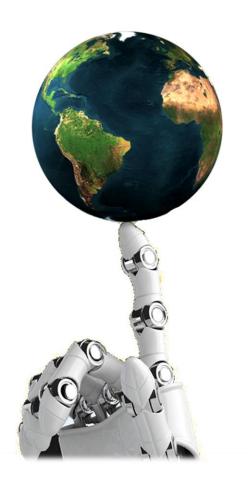
UNISPACE+50 Space and Industries Panel June 18, 2018



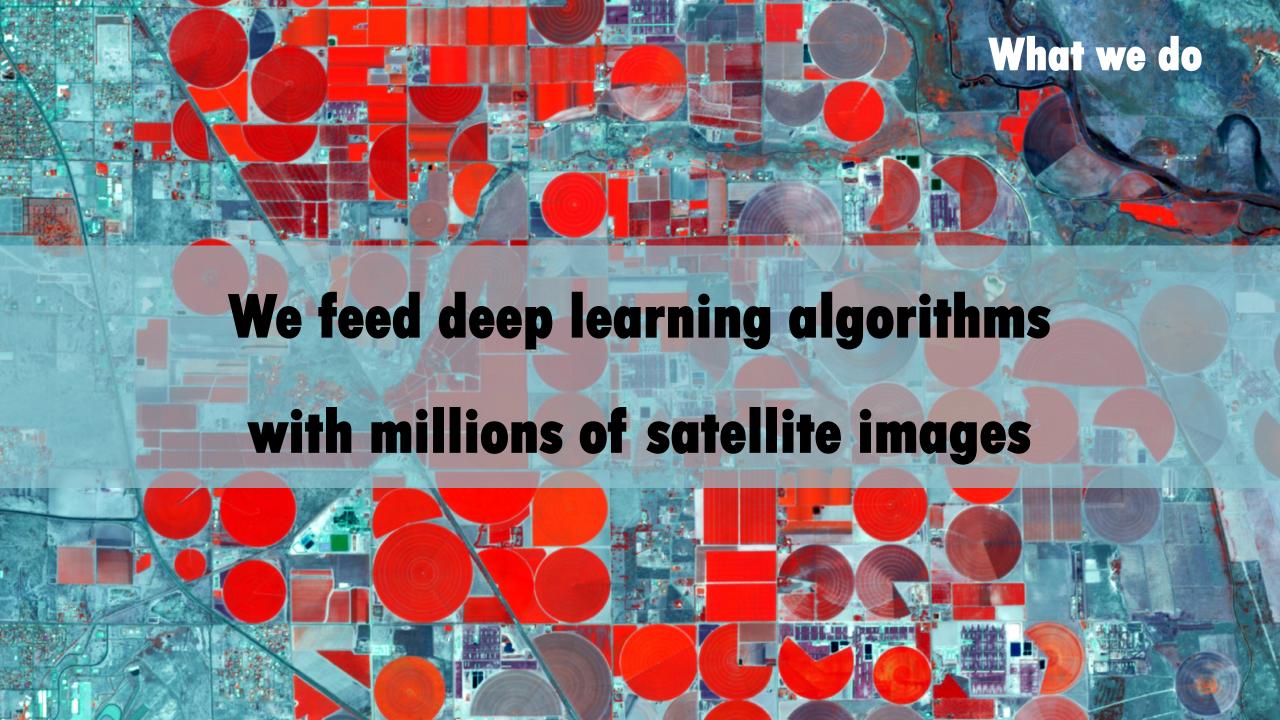


Our Solution



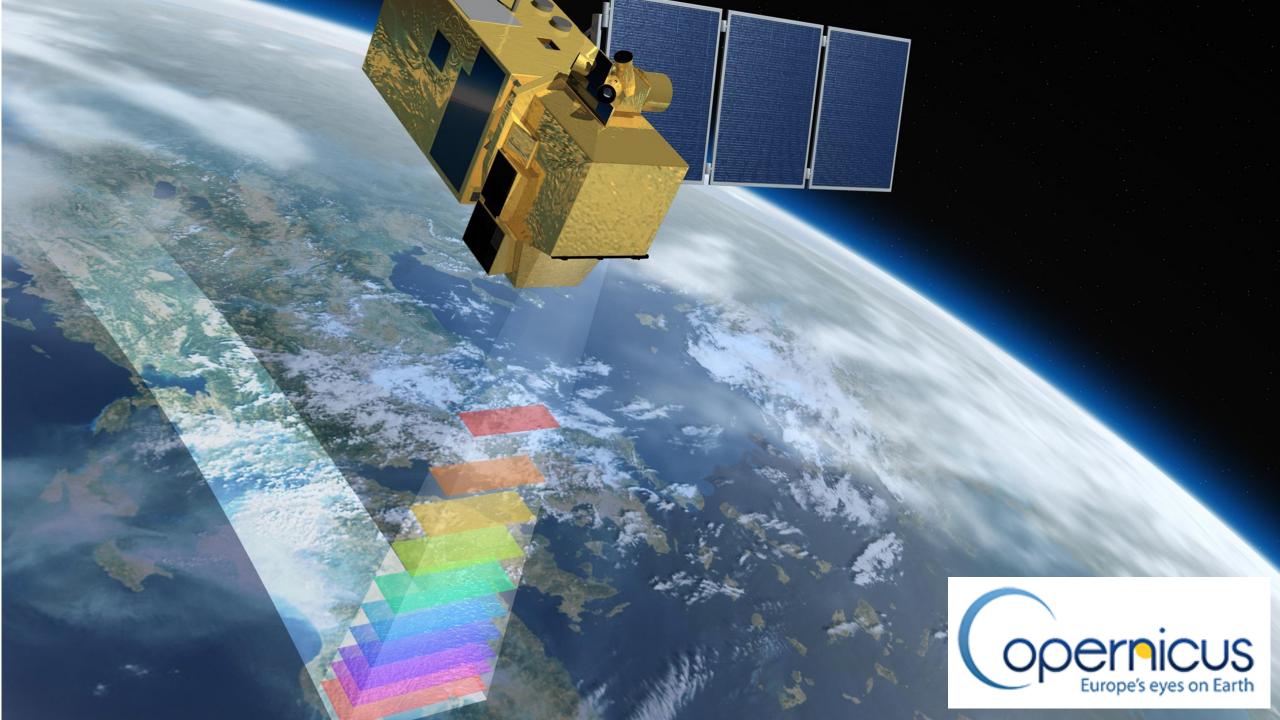


AILEO — an Artificial Intelligence Learning Earth Observation to automatically deliver facts on land use in near real-time.



Our purpose is to digitize and quantify the terrestrial environment of the Earth.







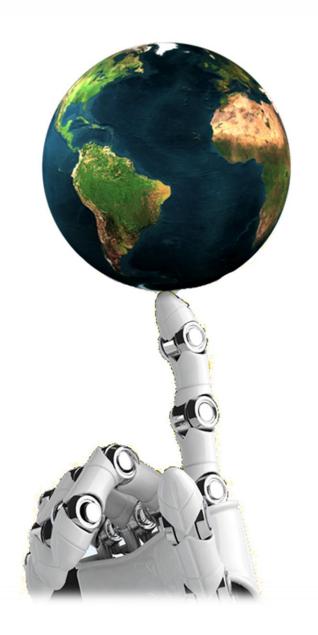




Artificial intelligence and Earth Observation







2 ZERO HUNGER





Dog or cat?





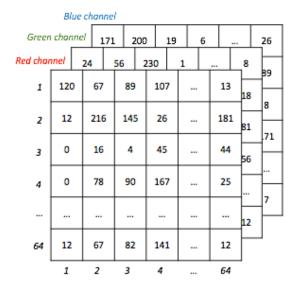
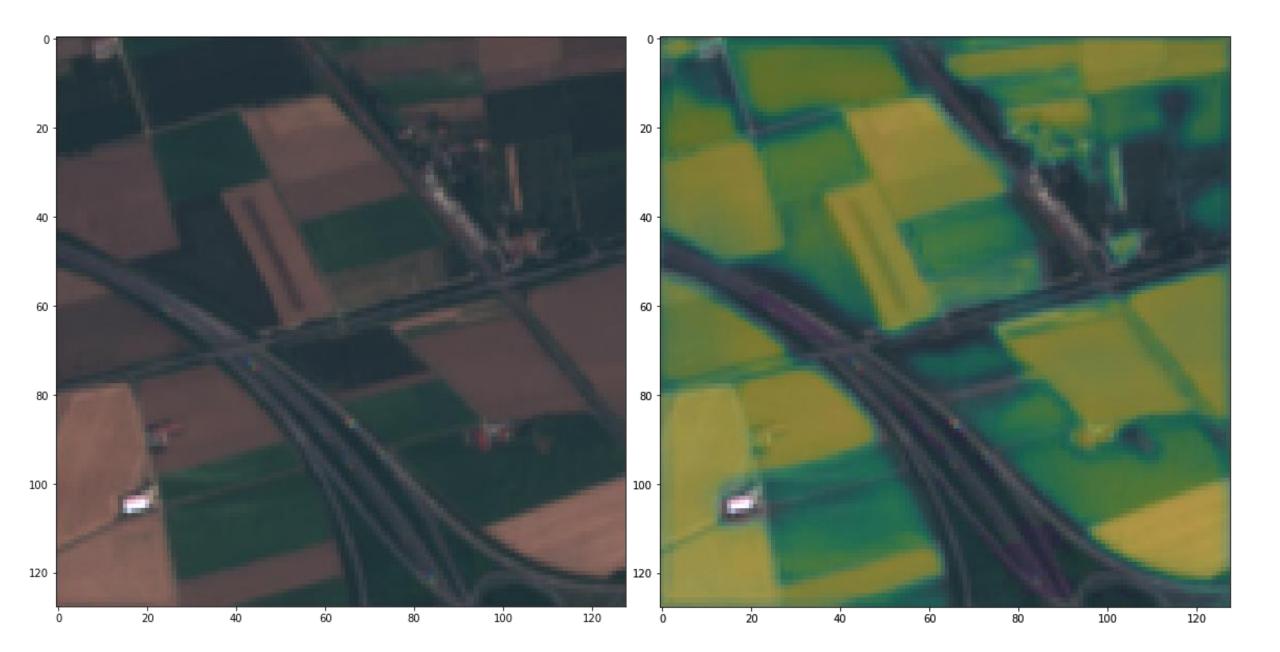


Image array: [64 x 64 x 3]



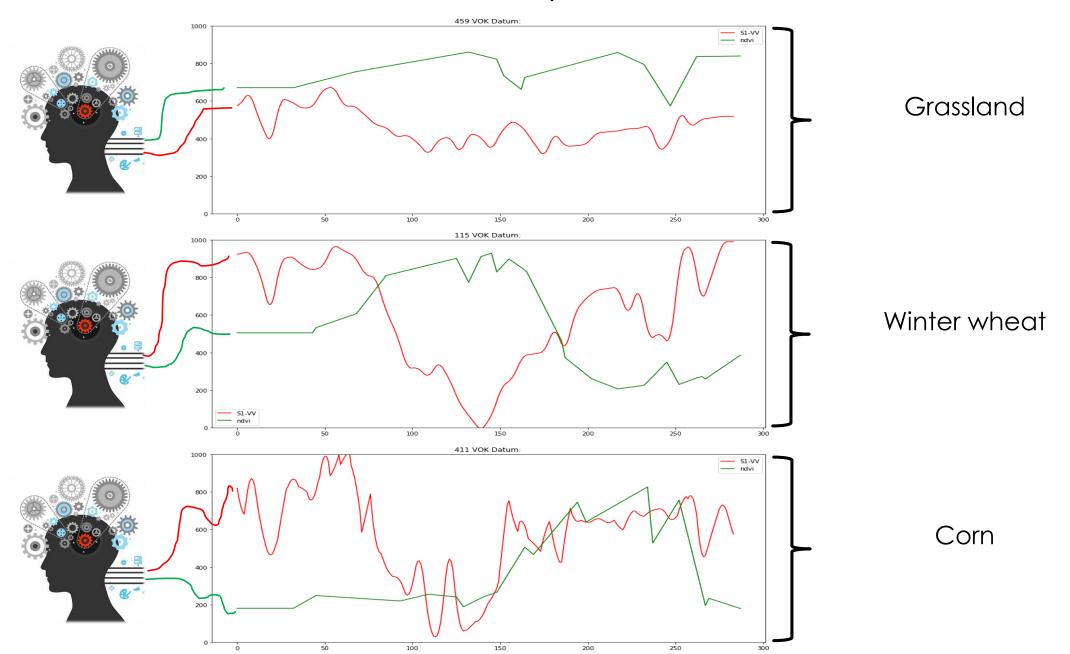
Field or no field?





Which crop?

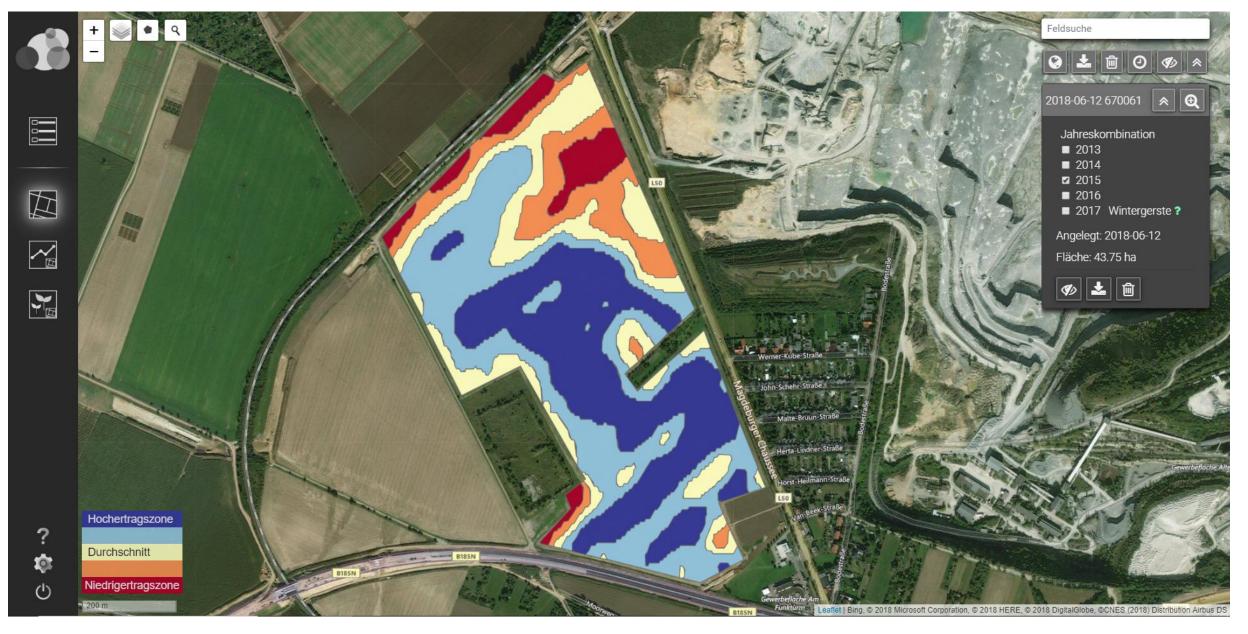




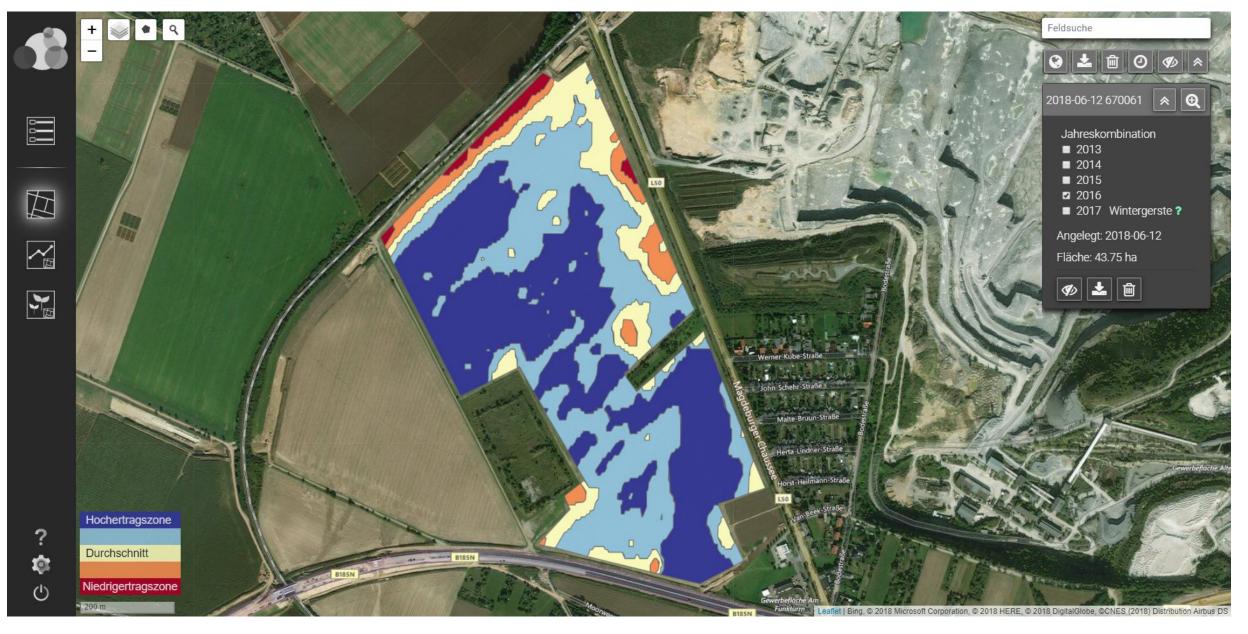




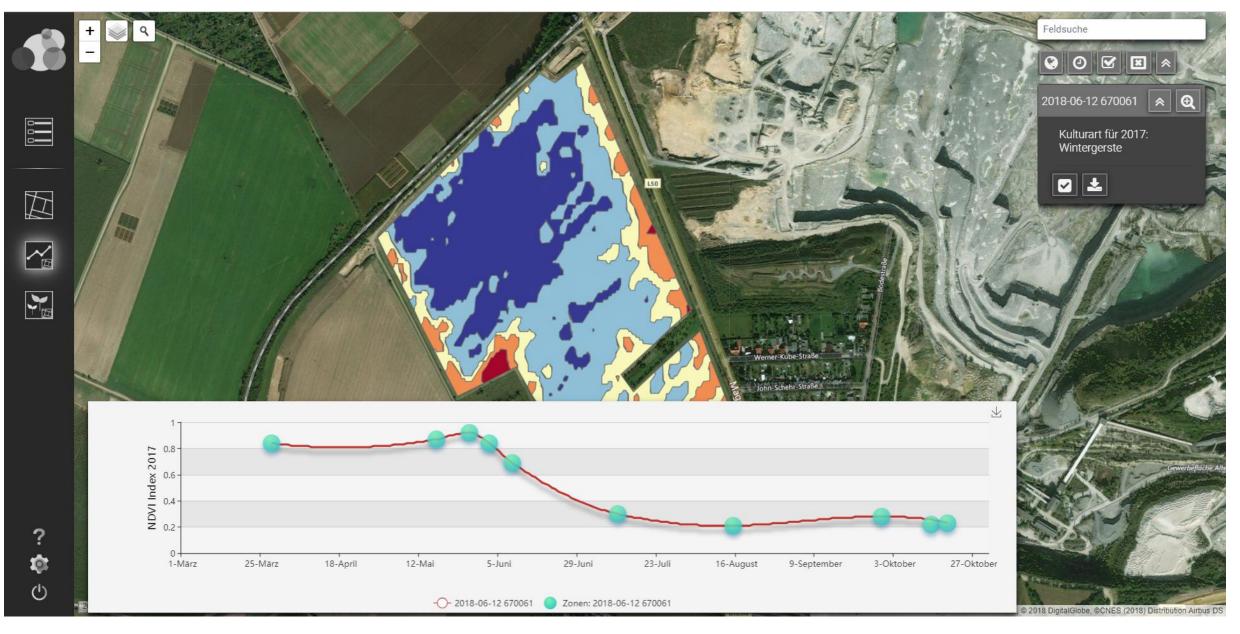




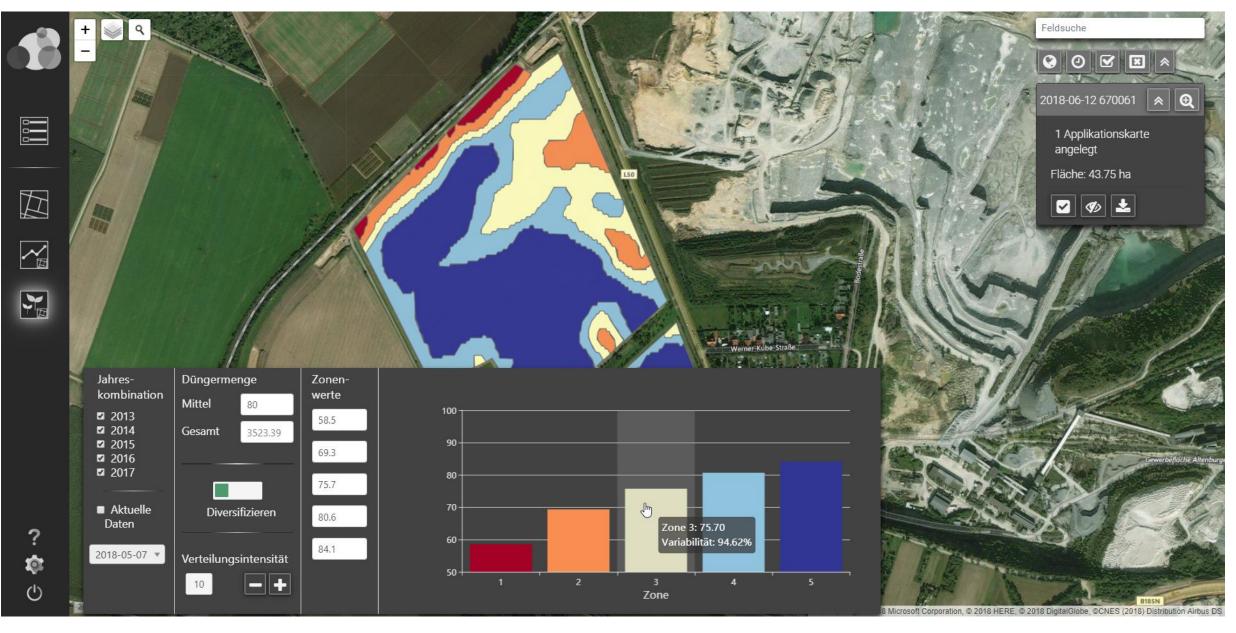


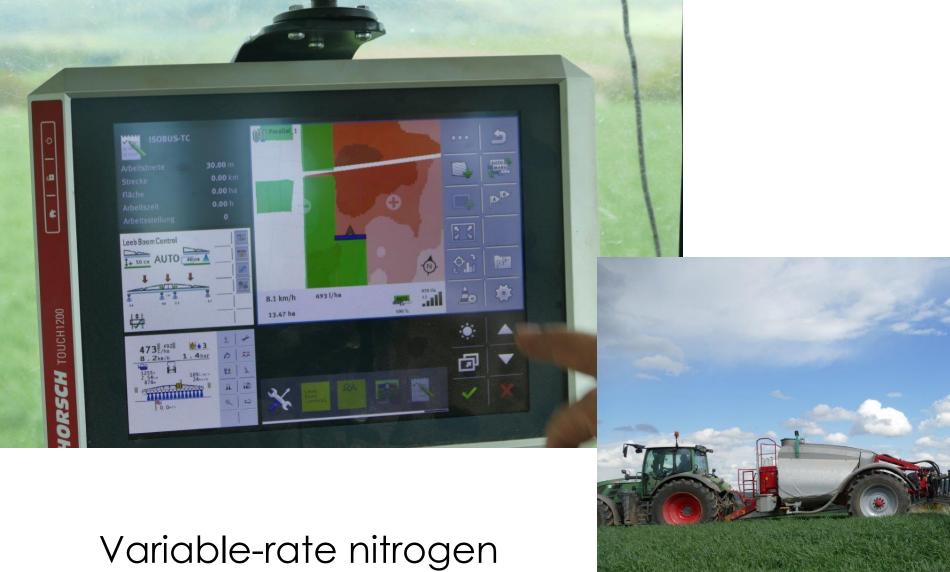






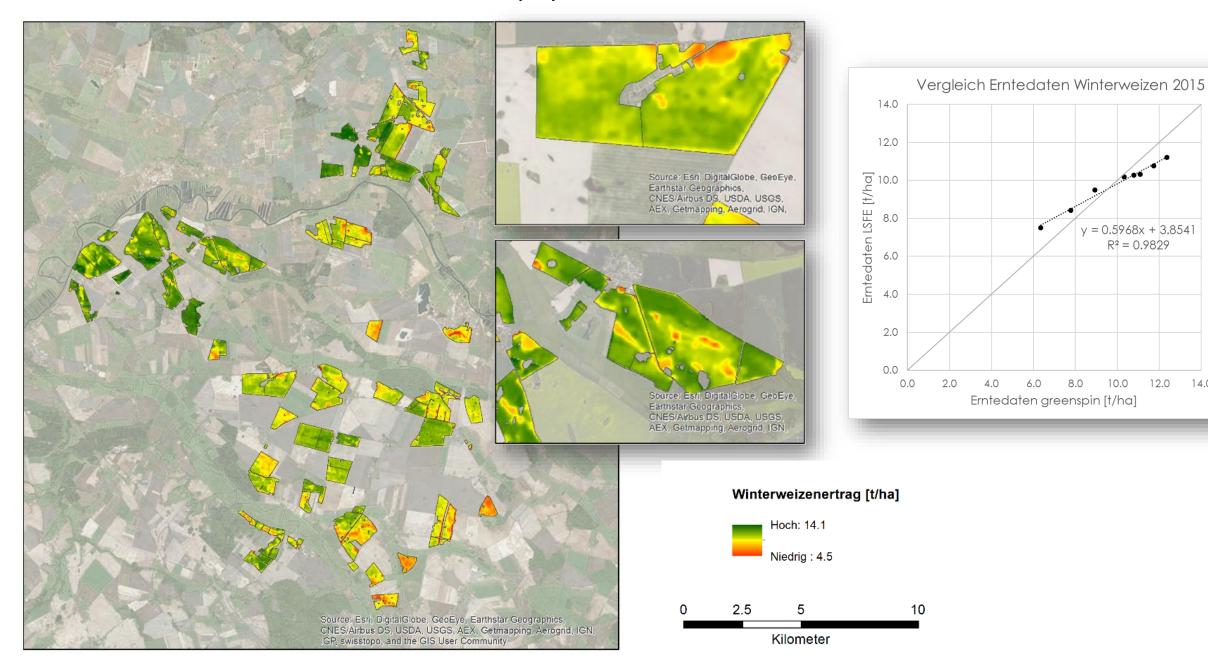






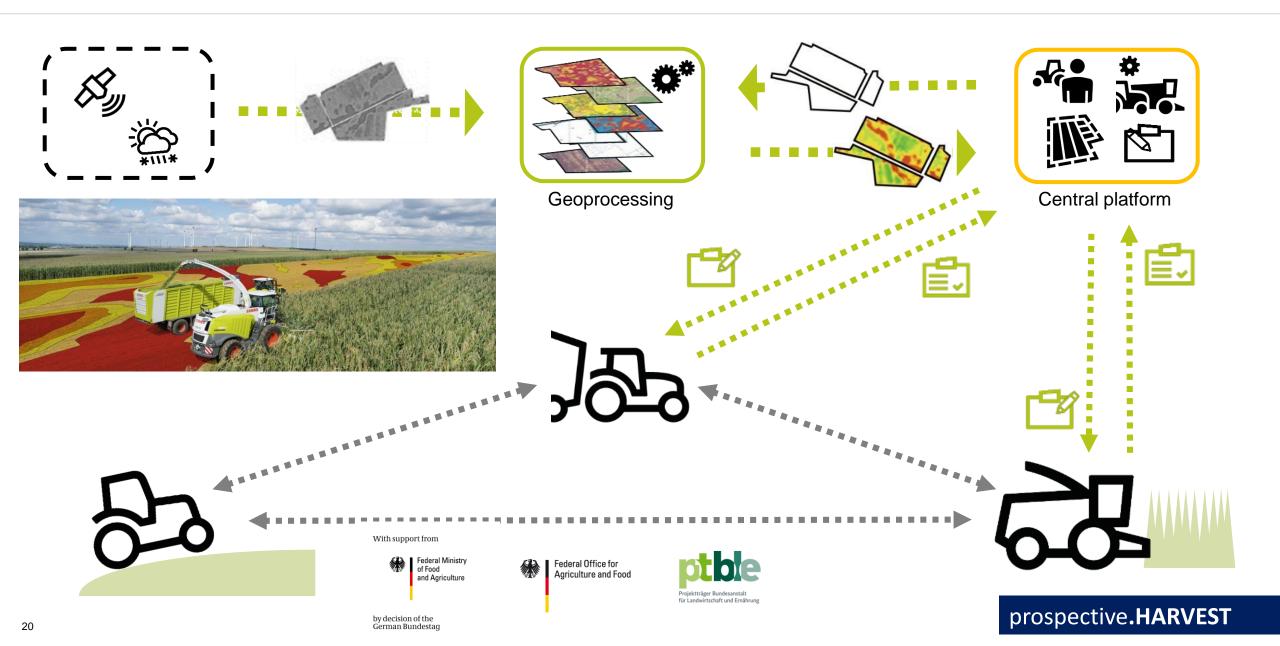
Variable-rate nitrogen fertilization in practice

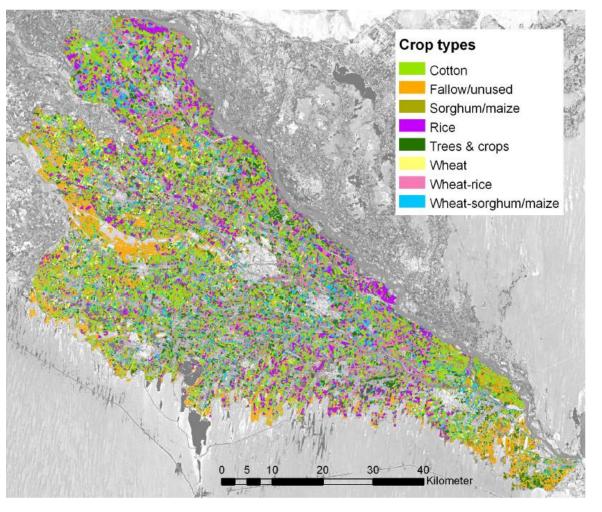
Crop yield estimation

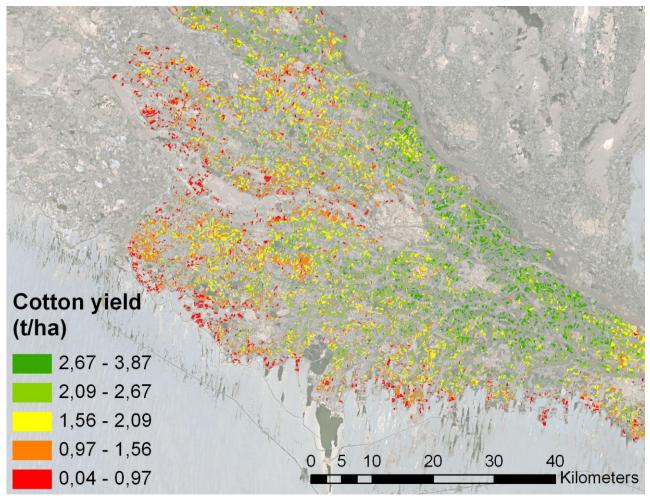


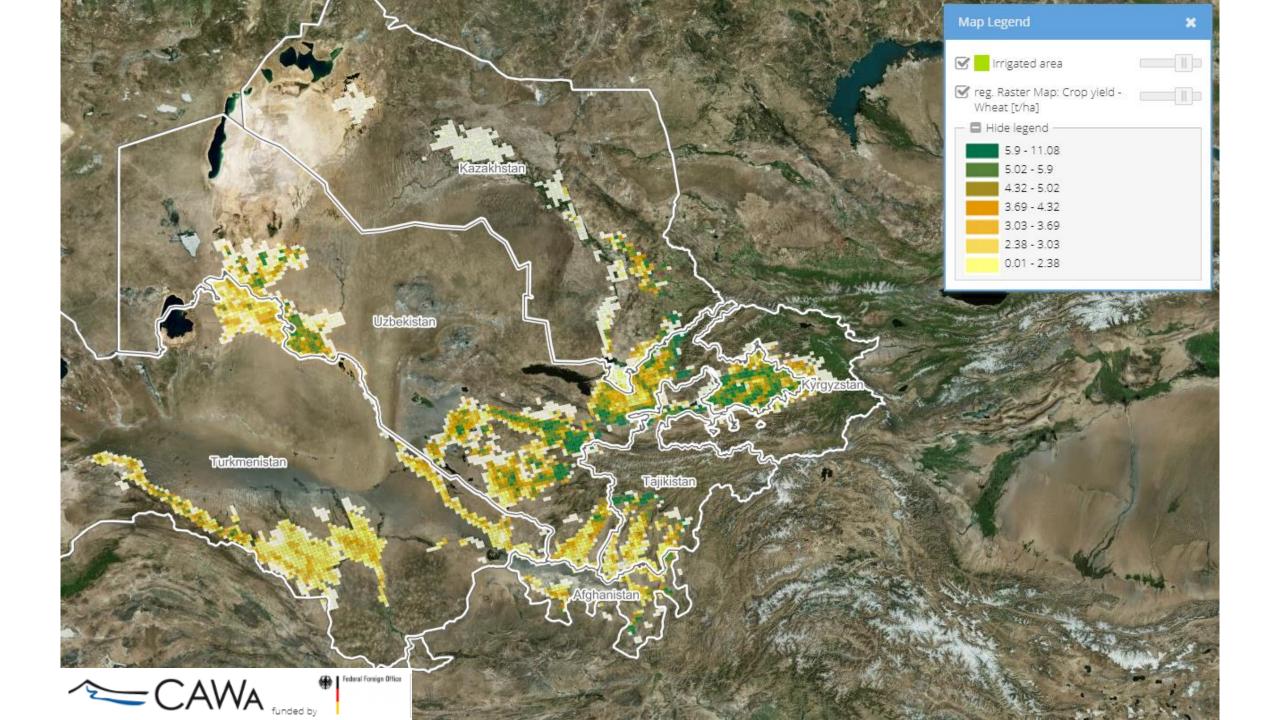
14.0

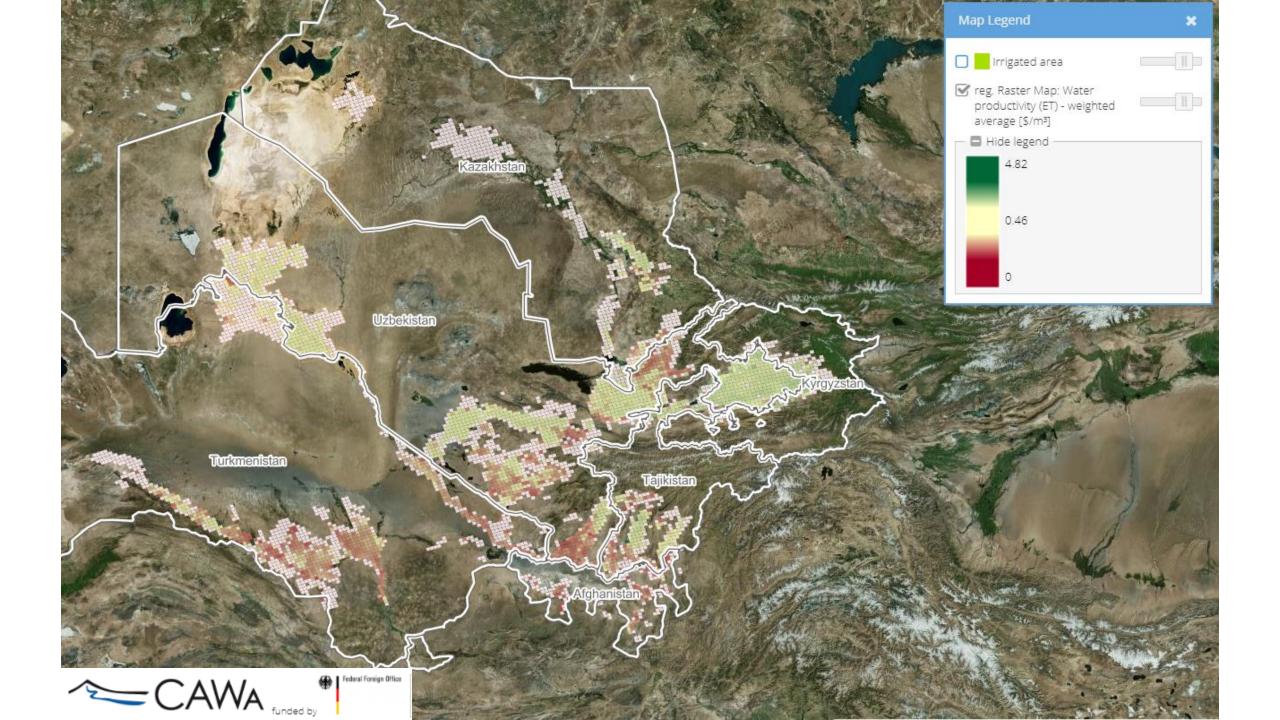
Optimization of the harvesting process













Thank you very much for the attention!

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