

SATELLITE PRODUCTS FOR AGRICULTURE SOFTWARE

WORLD FROM SPACE

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**business
incubation
centre**

Brno



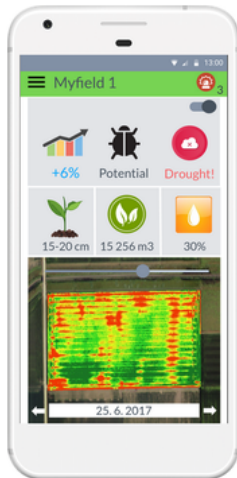
WORLD FROM SPACE



**European
Commission**

Horizon 2020
European Union funding
for Research & Innovation





ABOUT DYNACROP

Easy-to-use and cheap **API**.

It provides **EO products** for your **application**.

The information is delivered in **near real time** after each new satellite acquisition.

Use by your clients leads to **increased yields, saving costs** of inputs, more informed decision making, better field management.

It supports **sustainable agriculture**.

MONITORING

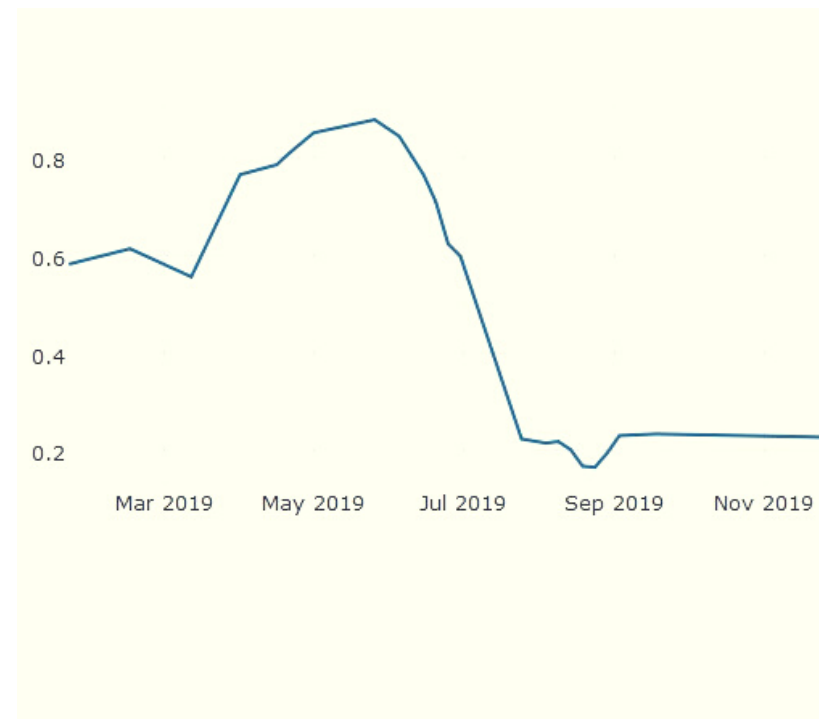
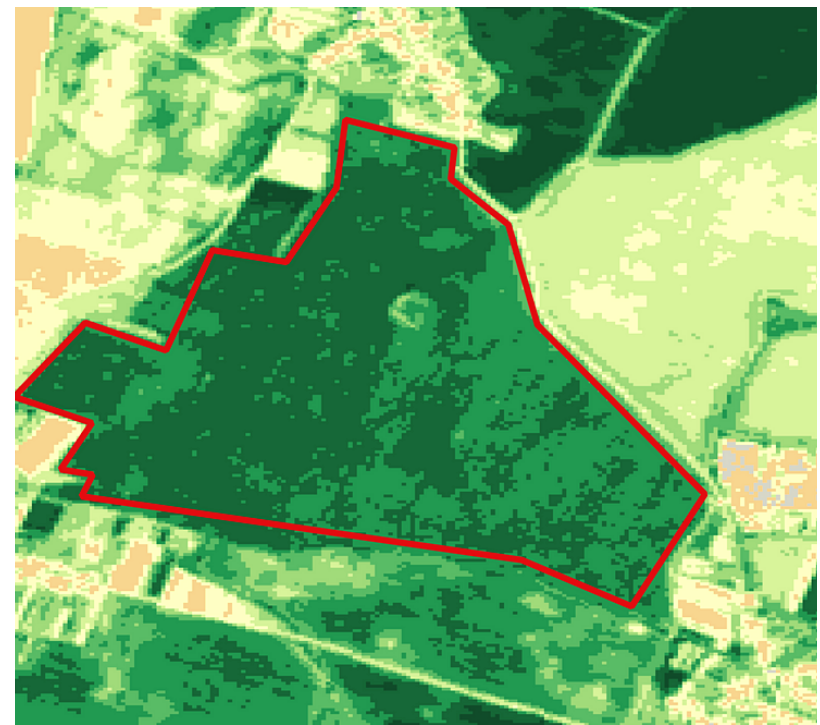
ACTUAL STATE

It allows you to see progress and the actual state of the field. It enables you to keep track on **what is going on in the field now**. Check the current state or any date since 2017.

Indicators: NDVI, NDMI, EVI, LAI, fAPAR, CWC, CCC + more then 50 others if you wish.

LONGTERM ANALYSIS

Vegetation curves allow you to see the **development of each field since 2017**. All the indicators above can be visualized in this form. It allows users to check the progress of vegetation, phenology or plant maturation.



BIOPHYSICAL PARAMETERS



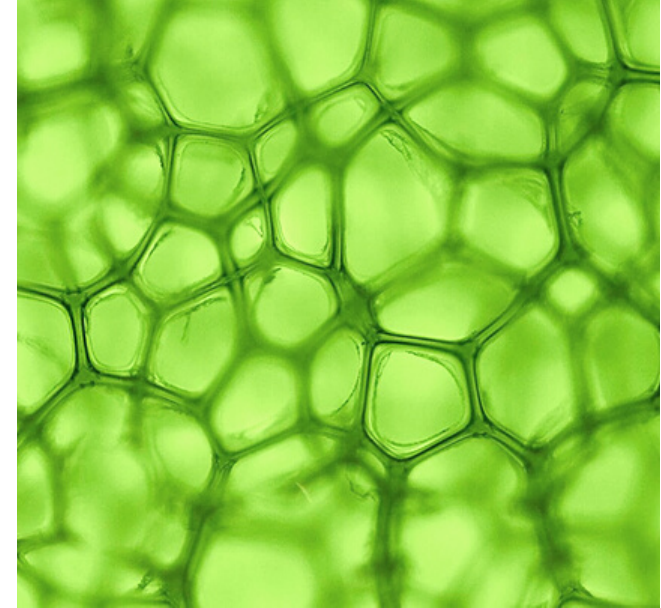
LEAF AREA INDEX

Index that characterizes plant canopies. It is used to **asses production, evapotranspiration and crop growth.**



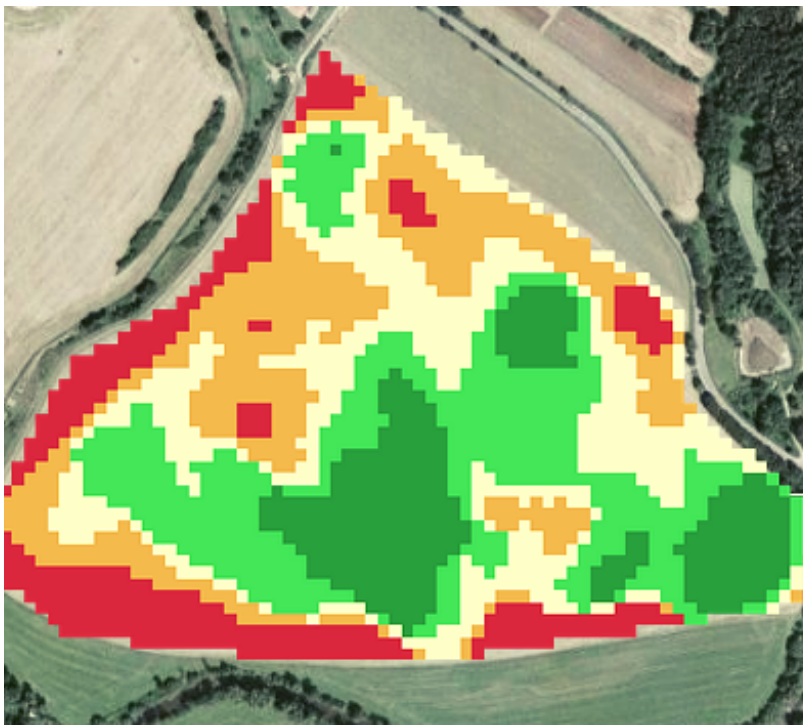
FAPAR

Index monitoring absorbtion of solar radiation by vegetation. It indicates water stress, senescence or maturity in the crop. Useful for **harvest and irrigation planning.**



CHLOROPHYLL CONTENT

Leaf chlorophyll content and canopy chlorophyll content are important for the **health state of the crop and its growth.**



ZONING

Based on longterm analysis of the field characteristics and variability. Used for variable applications in seeding, spraying or fertilizing.

VEGETATION

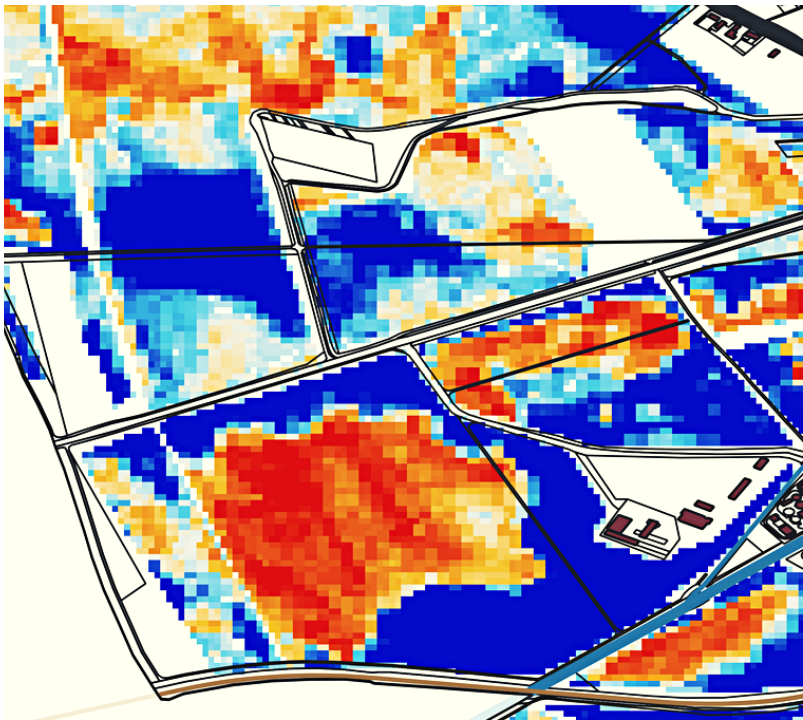
Zoning according to the average performance of crops.

SOIL MOISTURE

Based on average availability of soil moisture.

COMBINATIONS

We are able to set specific zoning characteristics for your case. Combinations of whole history + current state, mix of different indicators, etc.



BUSINESS MODEL



SYNERGY WITH YOUR APPLICATION

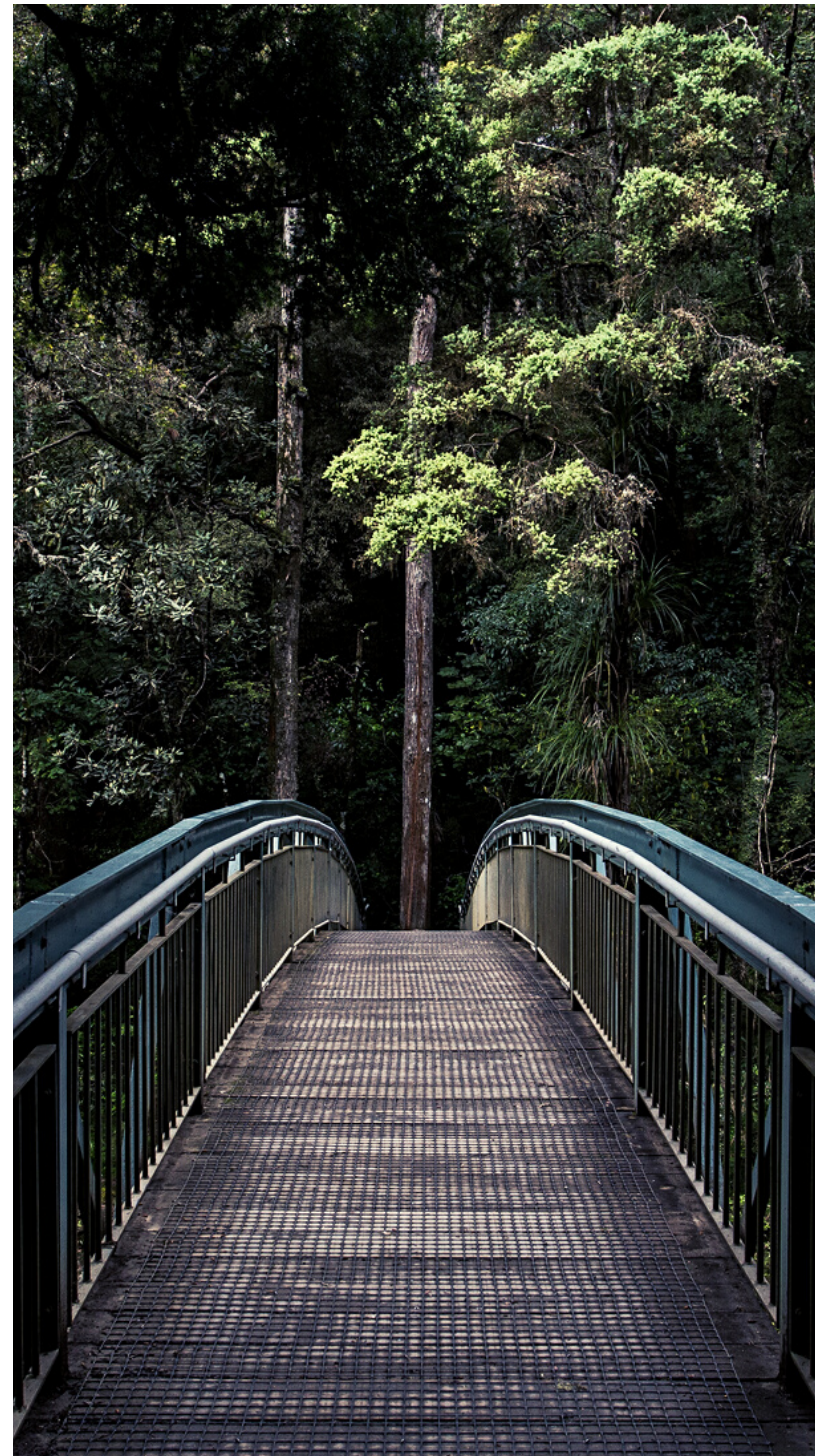
AFFORDABLE PRICE

**DIFFERENT PLANS FOR DIFFERENT
USERS**

**POSSIBILITY TO ADJUST THE SERVICE
TO YOUR NEEDS**

COOPERATION ON REAL USER NEEDS

RESEARCH COOPERATION

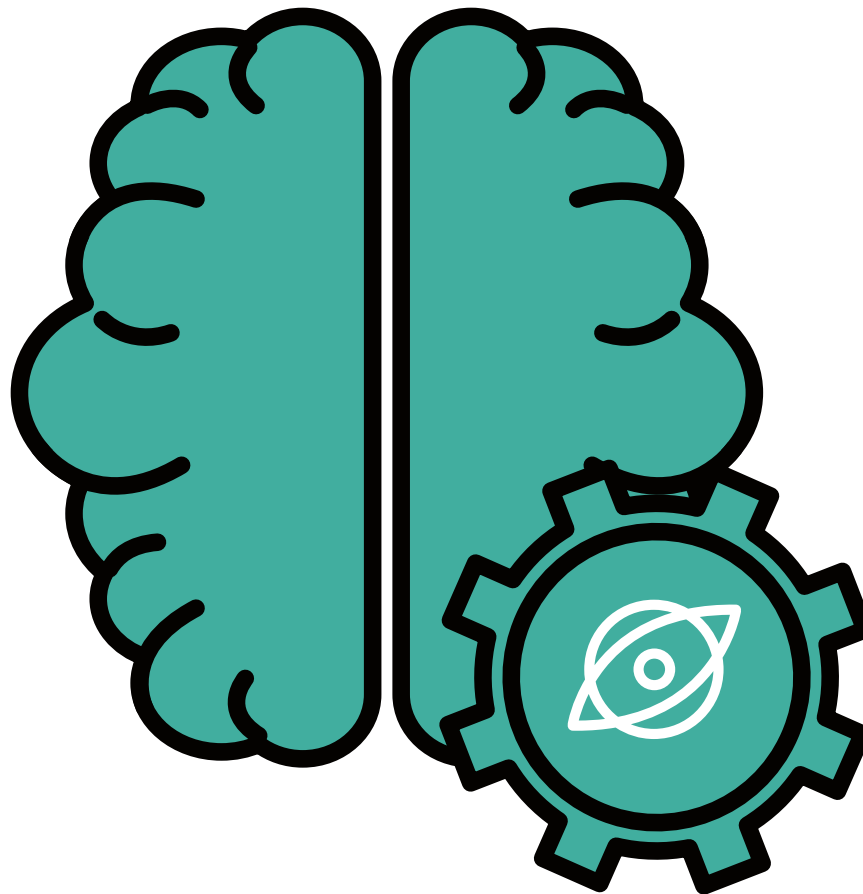


FUTURE PLAN - AI

SOIL MOISTURE

**CROP SPECIFIC
PRODUCTS**

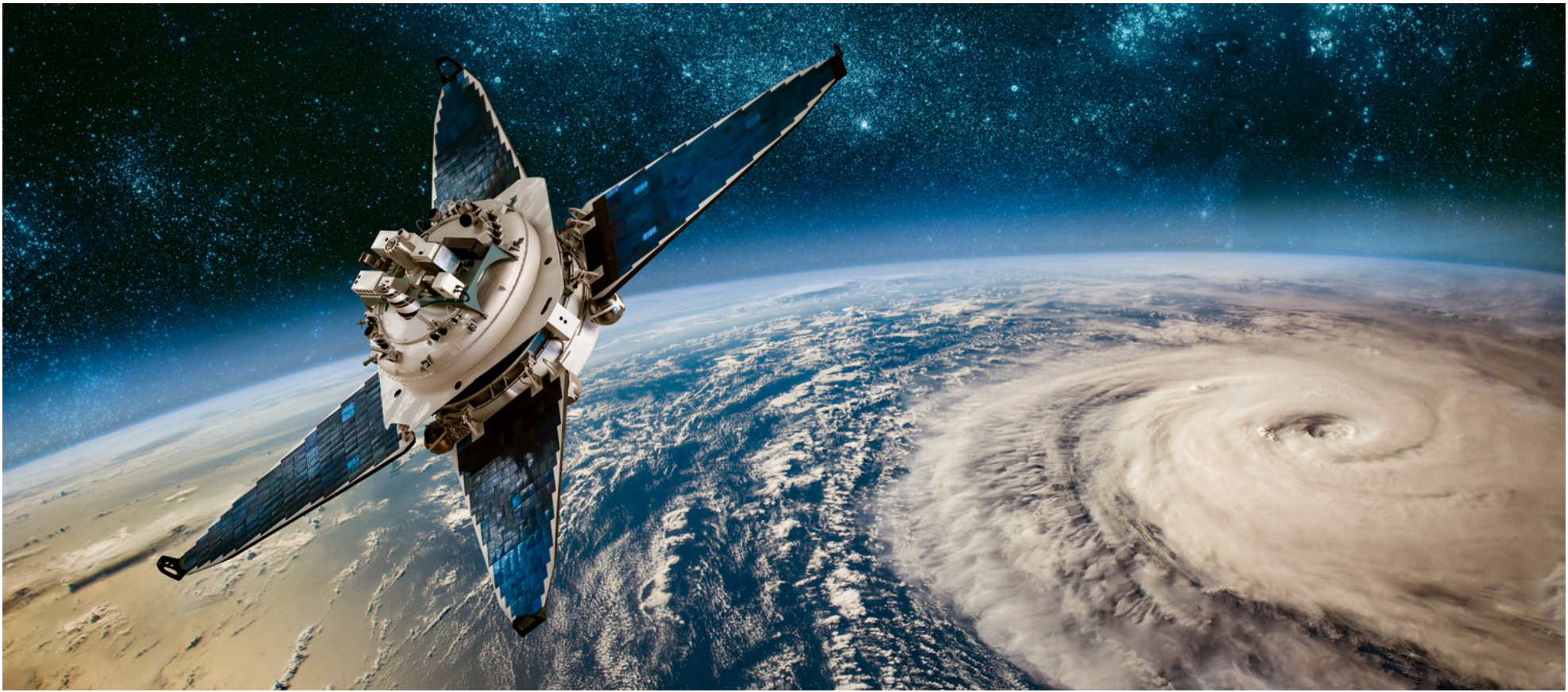
**PEST & DISEASE
DETECTION**



PHENOLOGY

CROP DETECTION

**RADAR
VEGETATION
INDEX**



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