



DYNA
CROP
SPACE

**HIGHER YIELDS, EASIER DECISIONS
AND MORE JOY OF FARMING**

Veronika Nováková, Business Development

We are satellite data experts

YOUR AGILE PARTNER FOR COOPERATION

- Company founded in 2017, headcount: 12, funding: bootstrapped
- Based in #brnoregion, Czech Republic
- Unlocking satellite data for agriculture and food value chain
- Projects with the European space agency, consulting to EUSPA
- Ongoing agricultural research with universities and farmers



Digital agriculture is about integration

WE PROVIDE SATELLITE PUZZLE PIECE

Drones, satellites, and IoT sensors are not rivals. They are part of the trend of digitalization of agriculture and their combination multiplies the benefits for end-users.

Start using satellite monitoring to unlock up-to-date information for data-driven decisions.



YOUR CLIENTS CAN EXPECT

15-40%
decrease
in inputs

DUE TO VARIABLE APPLICATIONS





YOUR CLIENTS CAN EXPECT

**5-15% increase
in yields**

DUE TO RESOURCE AND ACTIVITIES
OPTIMIZATION



UP TO €100/ HA

Actual benefit for end users

15%

USING
SATELLITE
MONITORING

85%

NOT USING
SATELLITE
MONITORING

2021

85%

USING
SATELLITE
MONITORING

15%

NOT USING
SATELLITE
MONITORING

2025

Why integrate satellite crop monitoring

REVENUES

Build a new revenue stream, upsell to your current customers and earn more with a new sophisticated product.

INNOVATION

Join the constant stream of innovations. We keep adding new features that you can sell to your customers in no time.

TRENDS

Be a trendsetter and show your customers that you understand the dynamics of digital agriculture market.

SYNERGY

Build synergies between your product, customer data, and satellite monitoring in order to sell unique services.

SUSTAINABILITY

Use the opportunity to make your product and your customers more sustainable and less carbon-intensive.

SPEED

Use our easy integration and excellent support to start selling the service in 2-6 weeks from your decision.

DynaCrop satellite monitoring

POWERFUL WHITE LABEL ECOSYSTEM FOR DIGITAL FARMING



Easy
integration



Global
coveradge



Adaptable
pricing



Use cases,
sales support

Key functions

CROP MONITORING

Current and historical state of fields in 10m resolution.

NDVI, leaf index, solar absorption, water content, chlorophyll, nutritional status, water, droughts, canopy moisture, etc.

FIELD STATISTICS

Timeseries graphs and analysis of fields development, productivity zones, and their areas. Available from 2017 onwards.

Based on any parameter mentioned in the left column.

APPLICATION MAPS

Fertilizing, seeding, soil sampling and other application maps. Based on the current state of the field, yield potential and productivity zones, or any combination. Outputs are ready to be used by machinery.

SOIL MOISTURE

Advanced analysis of the current state, trends, and spatial variability in soil moisture since 2015.

Available every 2-3 days in Europe, 6 days elsewhere. Helpful for intra-field analysis.



Check the free demo

Check the live demonstration of our system.

Technical specification

DISTRIBUTION CHANNELS

- API: REST API, OpenAPI standard, Swagger, Redoc, examples, Leaflet integration, SDK (in development)
- Whitelabel web app: Hosted frontend application, check at farm.dynacrop.space
- QGIS plugin: available in QGIS plugins repository (coming soon)
- Sub users allowed

INPUTS

- Field polygons (simple or with inner rings) in the WKT format with coordinates in WGS84 (EPSG: 4326)

OUTPUTS

- 10m resolution, maps, histogram, statistics
- Asynchronous processing, automatic / custom cloud filtering
- GeoTIFF, Colored GeoTIFF, PNG, Map tiles for download, Map tiles for inspection in a web browser, Shapefile, GeoJSON
- Custom color palettes

[DOCS.DYNACROP.SPACE](https://docs.dynacrop.space)

Satellites

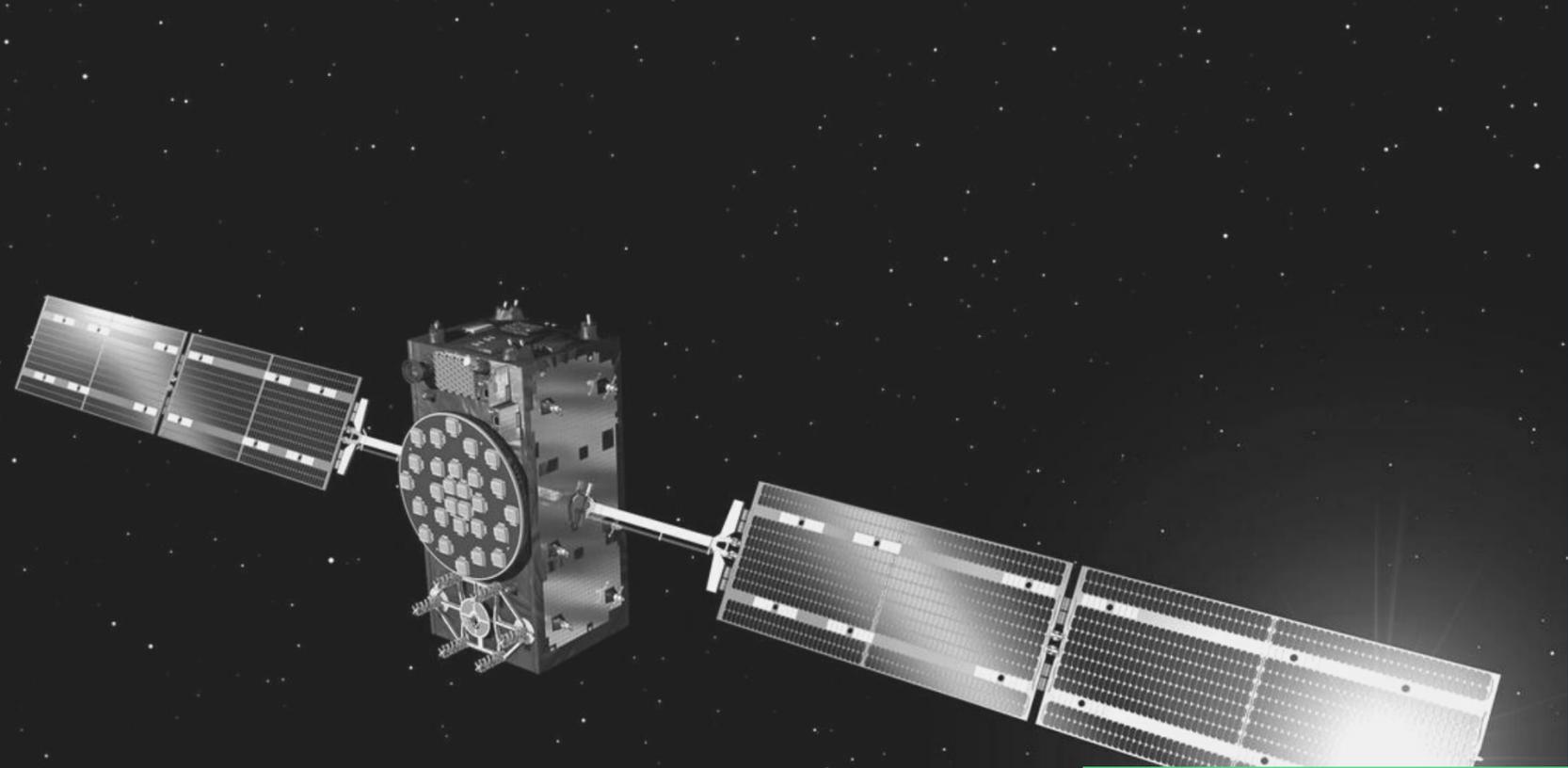
WE USE

DynaCrop is based on open data from the EU's Copernicus:

- Sentinel 1 (A+B): Radar satellite used for cloudfree vegetation monitoring and soil moisture. 10m resolution, available every 2-3 days in Europe
- Sentinel 2 (A+B): Used for vegetation and water-related monitoring. 10m resolution, available every 3-5 days in Europe, but affected by clouds.

We are currently gathering user requirements and testing clients for the Planet satellite data integration.





CLOUDFREE MONITORING

Weather independent LAI- based
vegetation monitoring available every
2-3 days

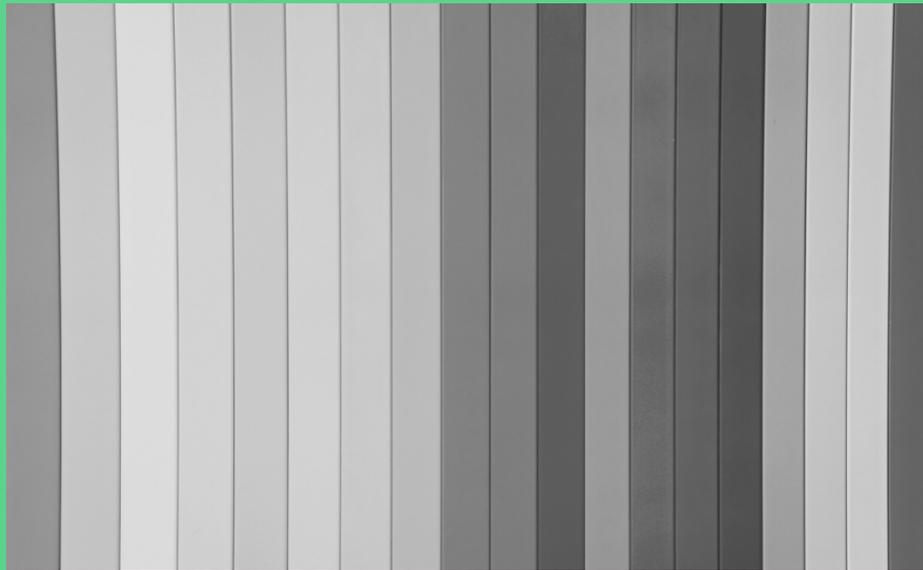
Developing

VALUE ADDED TOOLS

- Anomaly detection
- Irrigation prescription
- Weather monitoring
- Machinery interoperability



Recent updates



CUSTOM COLORS

Don't like our color palettes? Create your own! This is now possible with custom palettes. Choose the best colors to fit your design or to highlight the field events you showcase.



ZONATION MIXER

Optimize your analysis or fertilizing maps. Create custom zonations and application maps based on combinations of different indices and different time periods.



WEB APP

Fast track your user testing, or brand our white label web application and sell it to your customers. Get access to DynaCrop tools without the need to develop your own ICT solution.

Why to choose DynaCrop

1

SUPER EASY

Integration of DynaCrop is super easy and it allows you to test satellite products directly with your customers.

2

GREAT PRICE

DynaCrop pricing is designed in order to grow your sales first and pay for the real use later. Great for growing companies.

3

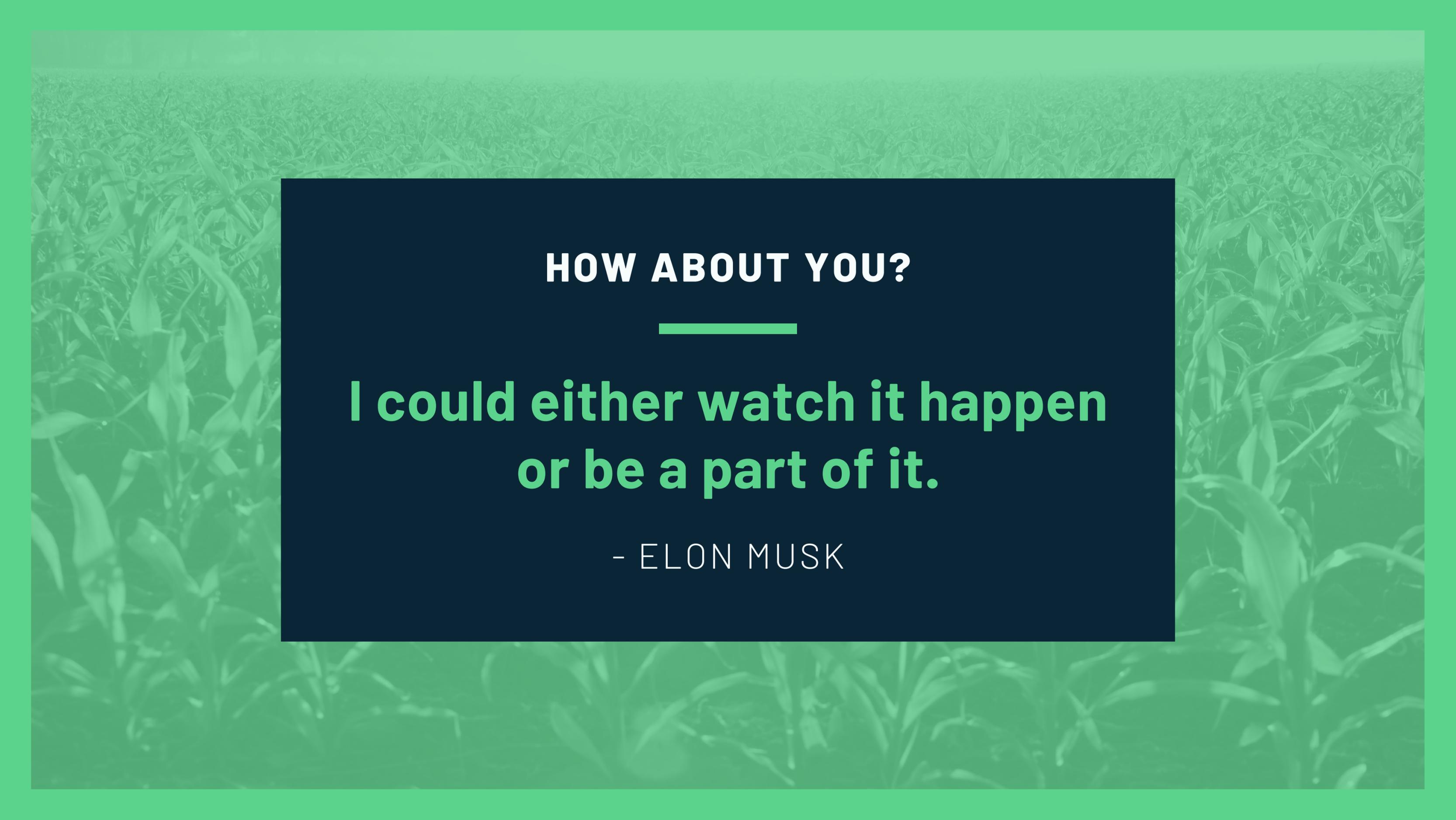
MORE INNOVATION & COLLABORATION

DynaCrop is growing with companies in the digital farming market to serve their specific needs and requirements. It invites users to new R&D projects.

4

REAL SATELLITE DATA EXPERTISE

The DynaCrop team is involved in projects for the European Space Agency and it transfers the state-of-the art methods to the product development.



HOW ABOUT YOU?

**I could either watch it happen
or be a part of it.**

- ELON MUSK



Integrate satellite monitoring now

UNLOCK MASSIVE MARKET OPPORTUNITY
BEFORE THE OTHERS

Let's talk!

WAYS TO REACH US

BOOK A MEETING

[Google Calendar for meetings](#)

EMAIL

novakova@dynacrop.space

PHONE

Veronika Nováková +420 608 830 841

Business Development Manager

