

# FINDR – Fast and Intuitive Data Retrieval for Earth Observation

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2019 Joint Call  
Final Presentation  
30<sup>th</sup> January 2024



# Project Overview



4

Partners

2.5 Years

Project Duration

3

Countries

1.03M EUR

Project Budget



# Objective



**Simplify use of Earth Observation data for agricultural service providers and endusers to enhance monitoring of crop health on a global scale.**

1

Forecast on Earth  
Observation data  
availability

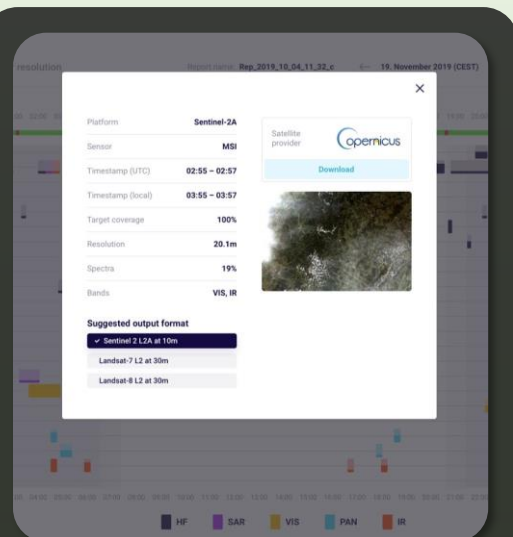
2

Access to available Earth  
Observation data

3

Integration of data from  
different sources into a  
standard data format  
=  
Data Homogenization

# Main Project Activities and Challenges

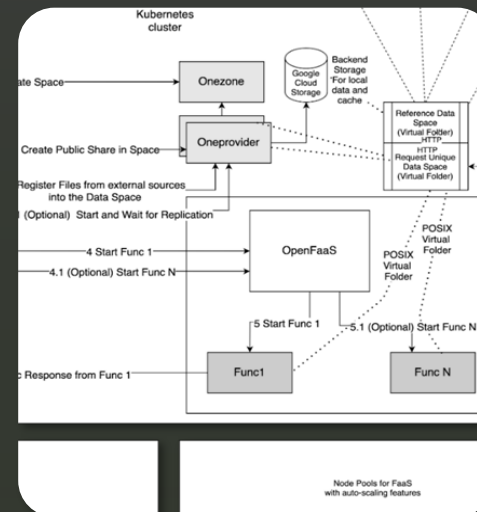
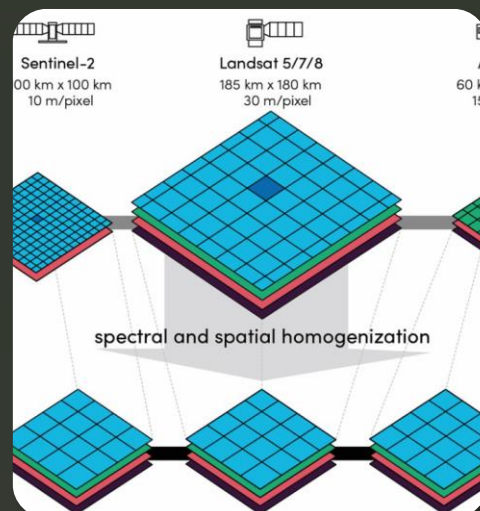


**Fraunhofer**  
EMI

Provide solutions for  
Earth Observation  
data forecasting &  
acquisition.

Find solution for the  
homogenization of  
earth observation  
data.

**GFZ**  
Helmholtz Centre  
POTSDAM

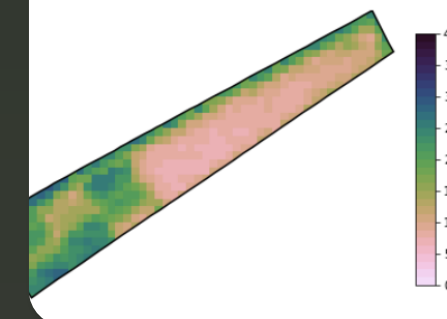


Deploy a scalable  
infrastructure & data  
management system  
to allow customers to  
use FINDR.

Implementation of  
FINDR data in  
company products and  
exploit data together  
with end user.

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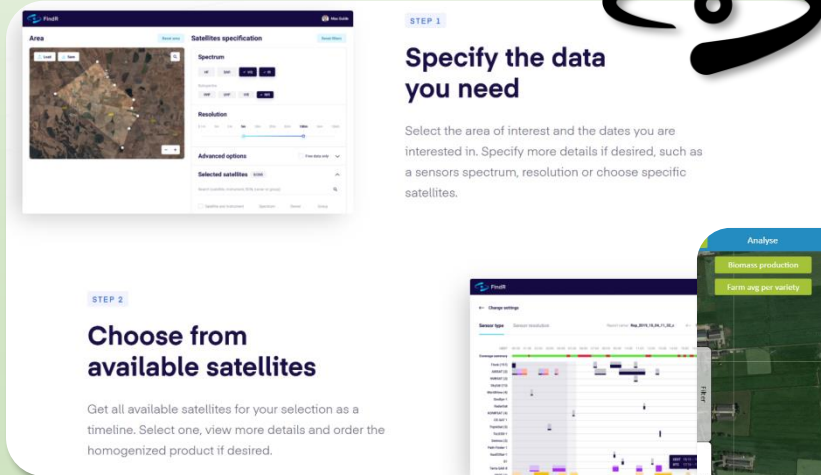
6-1	Field average	15.36
nt	Evapotranspiration (mm/week)	Min 6.89
33 (14 Aug 2022)	Max	28.91
5.97		



# Results and Impact



FindR



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- Farmers were able to identify and compare farm activities, e.g., biomass production, required rest-period for non-grazing, etc.
- Farmers acknowledged potential of satellite imagery especially for hard to access fields

# Future Research

Exploit new sensor types for agriculture (Hyperspectral)

Apply AI to EO data for agricultural applications

Further reduce entry barriers for target group

New sensor combinations for improved services (Optical + Radar)

Research on cost optimization for space-related services



# LET'S KEEP IN TOUCH!

Please feel always free to reach out to us.

## CONTACT INFORMATION

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# Thank you for your attention!