BIOME MAKERS

AI - The Global effort to achieve Sustainable Agriculture

Alberto Acedo Co-founder and CSO | Biome Makers

Soil sample references across the world Fields4Ever version 1



Project Information

BeCrop Grant agreement ID: 947084

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DOI 10.3030/947084

Closed project

Start date 1 March 2020 End date 31 December 2021

Funded under INDUSTRIAL LEADERSHIP - Innovation In SMEs

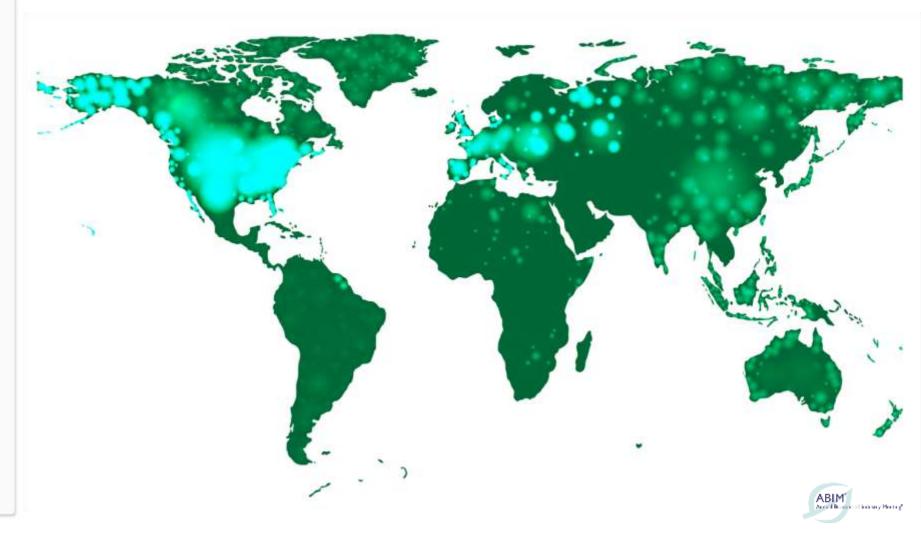
Total cost € 2 442 726,25

EU contribution € 1 709 908,38



Coordinated by BIOME MAKERS SPAIN SL

Spain







DECODING SOIL LIFE

The standard for soil biology analysis

Modeling soil Biology indicators



A new way to look underground





Obtaining soil microbiology insights leads to better-informed decision making. We leverage the soil microbiome, environmental data, and machine learning to improve soil functionality and agricultural sustainability.





New solutions for sustainability



Challenges

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Difficult to **choose** a product in a **dense market**

Difficult to demonstrate effectiveness

Diversity of products

Product efficiency



Ag input solutions tested across the world Fields4Ever version 2

Project Information

Automatized Data-driven recommendation engine.

File Ref 2021/C005/00149785

Start date 8 October 2021 End date 22 May 2024

Program

2021 CALL FOR FOR RESEARCH AND DEVELOPMENT PROJECTS IN ARTIFICIAL INTELLIGENCE AND OTHER DIGITAL TECHNOLOGIES AND THEIR INTEGRATION INTO VALUE CHAINS C005/21-ED

Funded under

European Union – NextGenerationEU, through the Recovery, Transformation and Resilience Plan of the Spanish economy.





Biostimulants





Crop protection



Managements





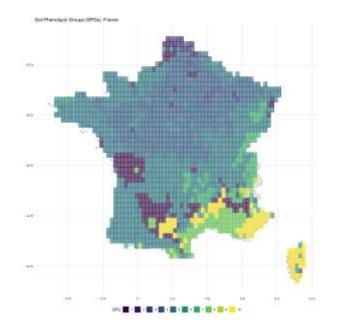


BeCrop TRIALS

Partner in Product Innovation

BeCrop Trials

Results

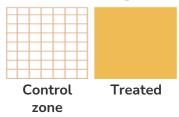


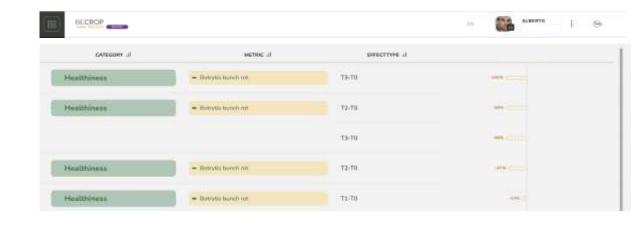
Before input

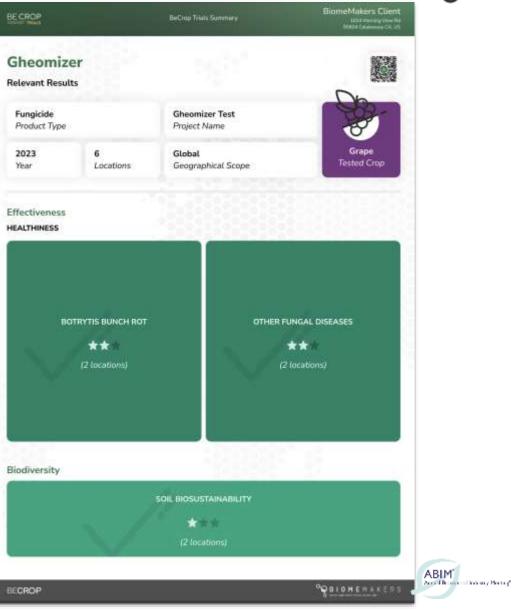


Control To be zone treated

After input



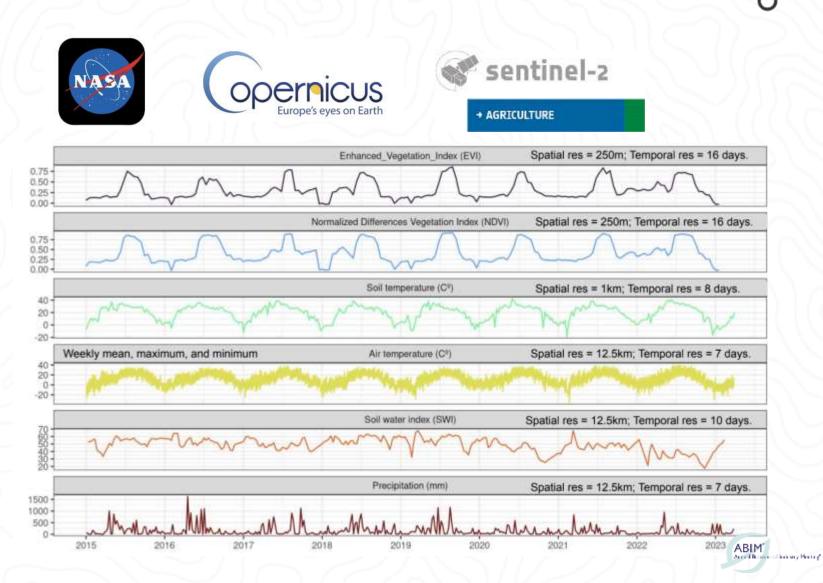






Environmental Data set

931 time-series indicators per sample

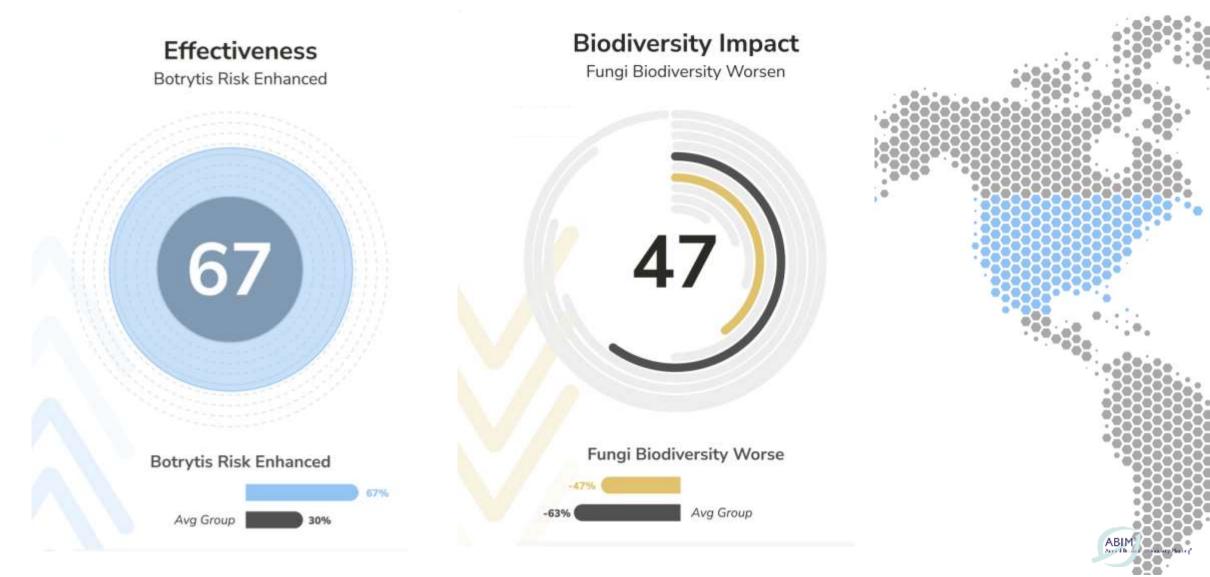


Are you ready for Ag- GTP?

Al for Benchmark reports

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Global level

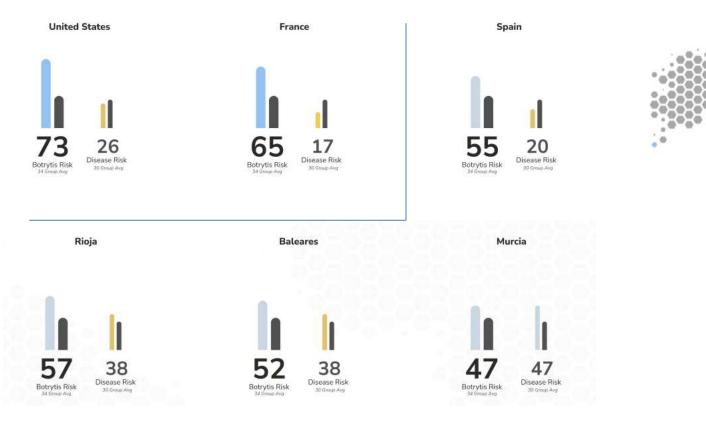


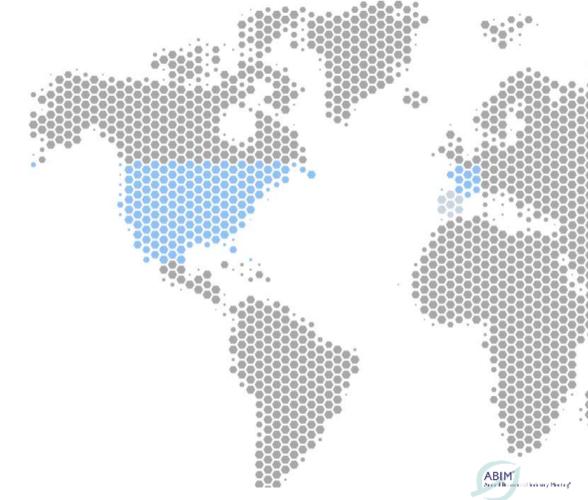
Al for Benchmark reports



Regional level

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First validation test

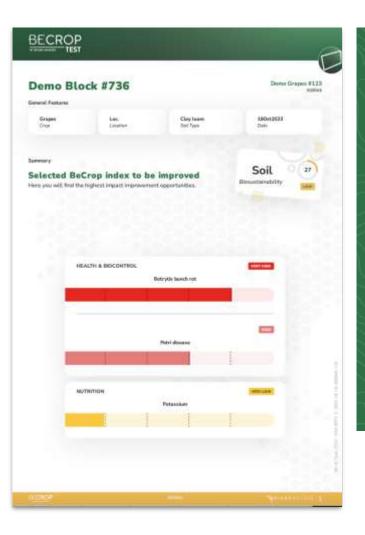
Human vs Machine

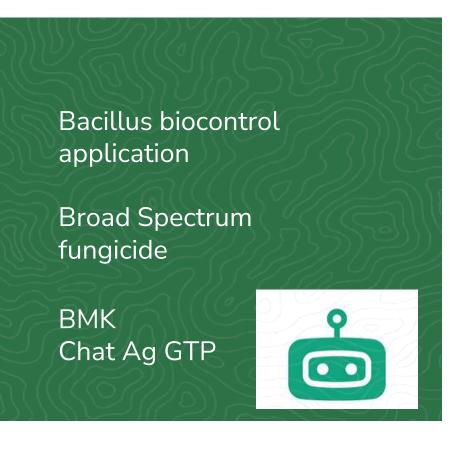
Preventative biocontrol application

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Broad Spectrum fungicide

Agronomist at Biome Makers

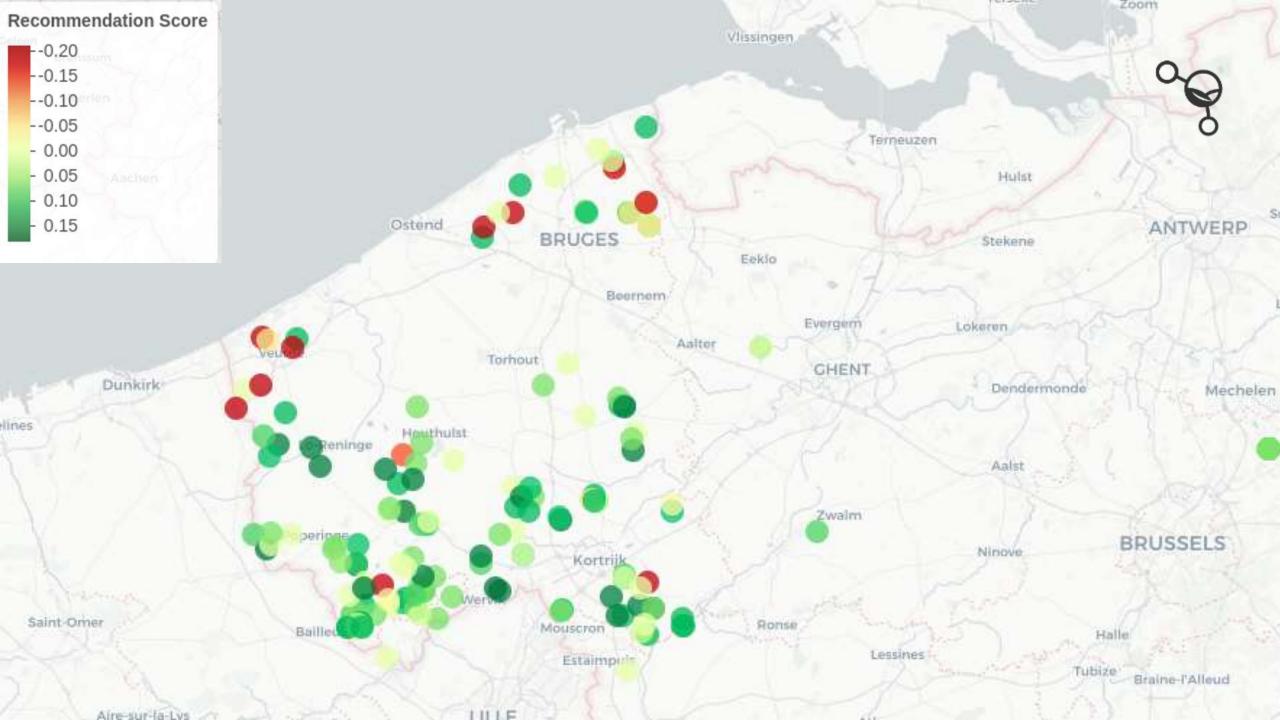














Thank you

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