Confagricoltura Cuneo

giovani di confagricoltura anga

eit Food

EIT Food is supported by the EIT
a body of the European Union

OPEN UP

Al mondo Dell'agricoltura digitale

farmB
digitizing agriculture

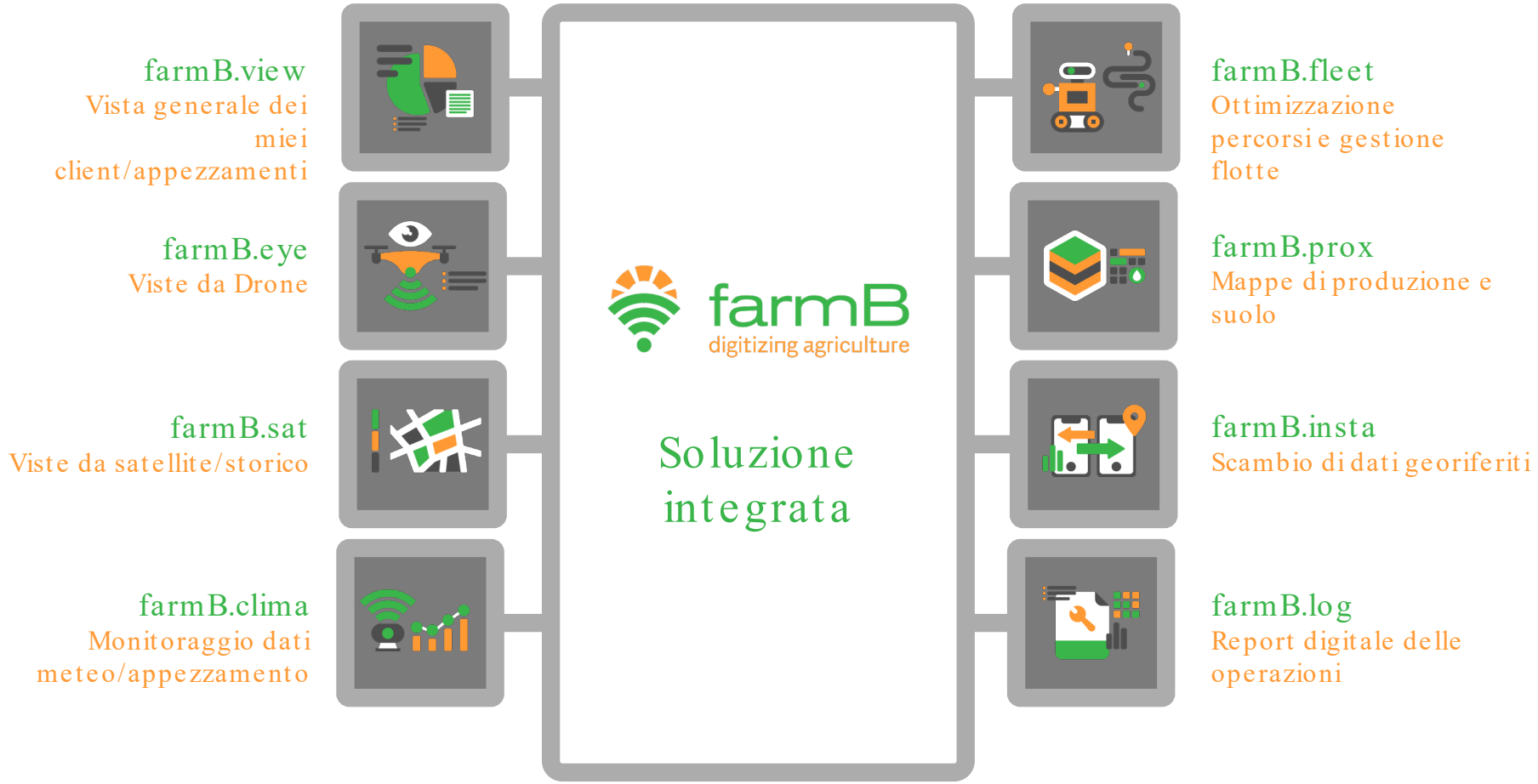
L'azienda farmB è stata fondata con la visione di **colmare il divario** tra la ricerca tecnologica e le pratiche quotidiane nel settore agricolo.

Il sistema informativo gestionale all-in-one di farmB supera il "**problema dell'informazione frammentata**" nelle applicazioni di smart farming combinando tecnologie IoT, AI, Cloud e Big Data.

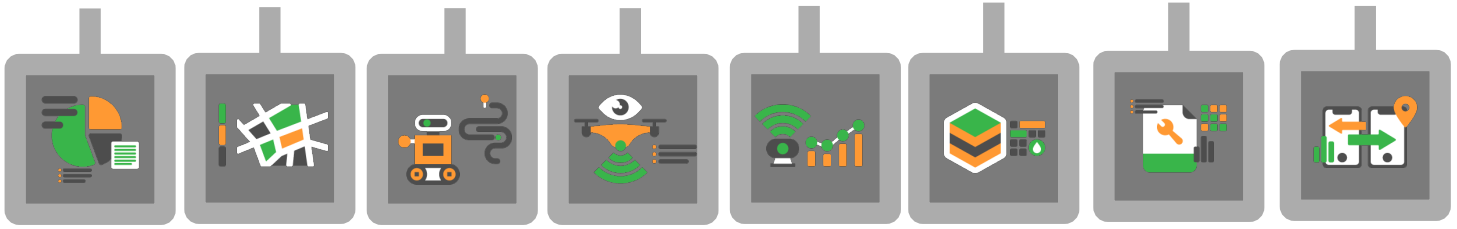
Le soluzioni farmB si rivolgono a tutti i tipi di aziende agricole, dai produttori ai consulenti e alle industrie agroalimentari, fornendo analisi dei dati e processi decisionali nell'ambito di una valutazione olistica delle informazioni disponibili (sensori prossimali e remoti, UAV, macchinari agricoli, agro-robotica), promuovendo anche la **sostenibilità e la circolarità** nella pratica agricola.

Come spin-off del CERTH (Centre for Research and Technology - Hellas), una delle principali organizzazioni di ricerca in Europa, farmB eredita un modello di business basato sulla **deep-science** per progettare e capitalizzare soluzioni innovative.

otto (8) moduli interconnessi & con intelligenza artificiale (disponibile anche in italiano)



.modules ()



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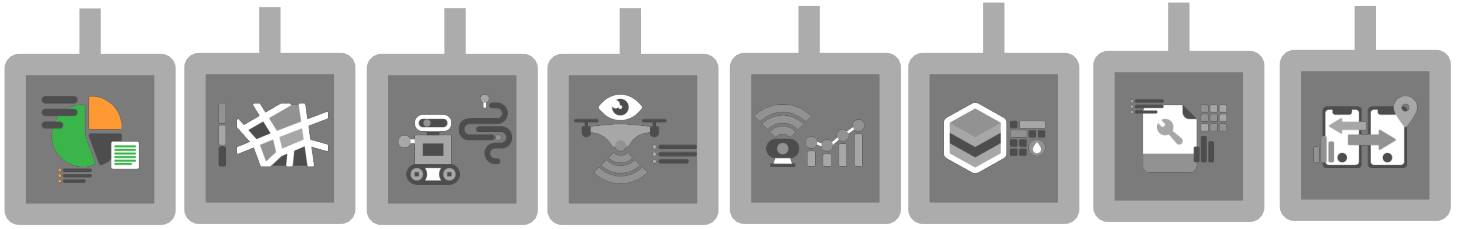
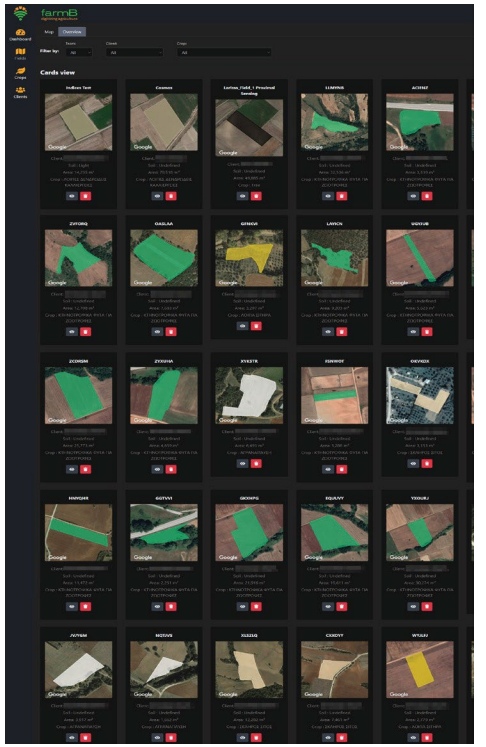
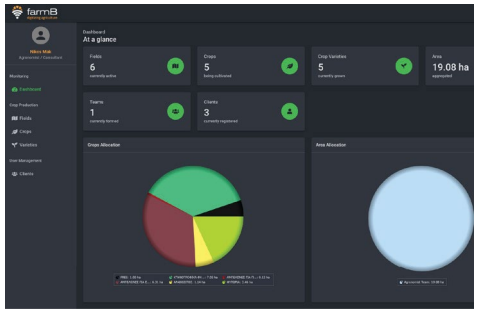
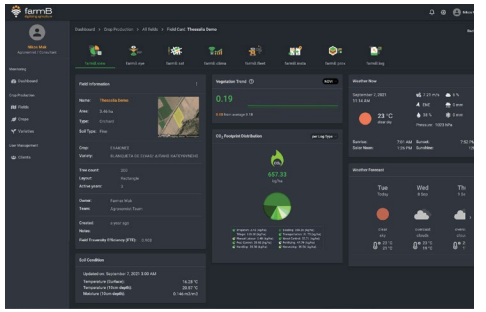
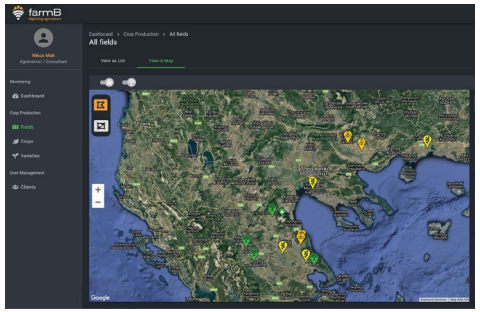


- importazione automatica dei dati - molteplici opzioni di input
- panoramica ordinata per squadre, produttori, colture, varietà di colture, ecc.
- recupero mirato dei dati e visualizzazione georeferenziata a livello di appezzamento per la gestione dei dati
- dati trasferibili a servizi esterni (API abilitata)









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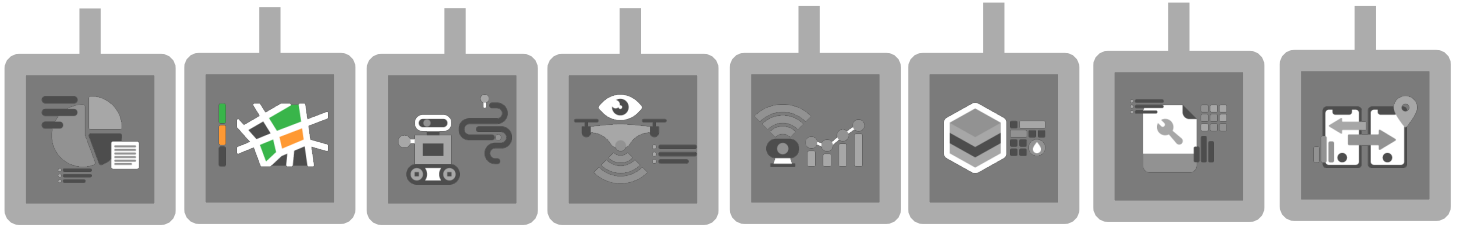
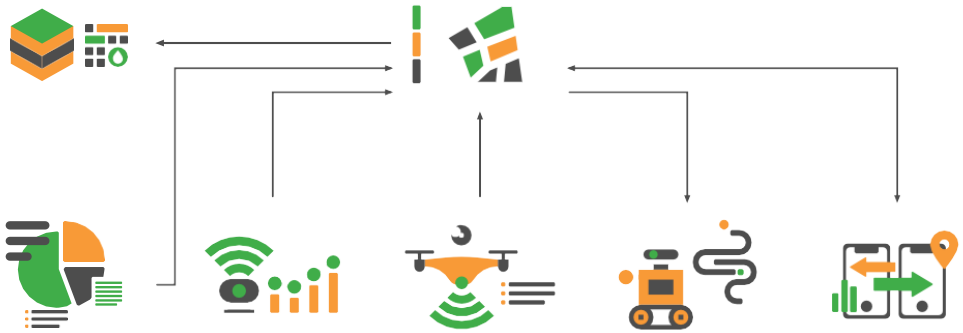
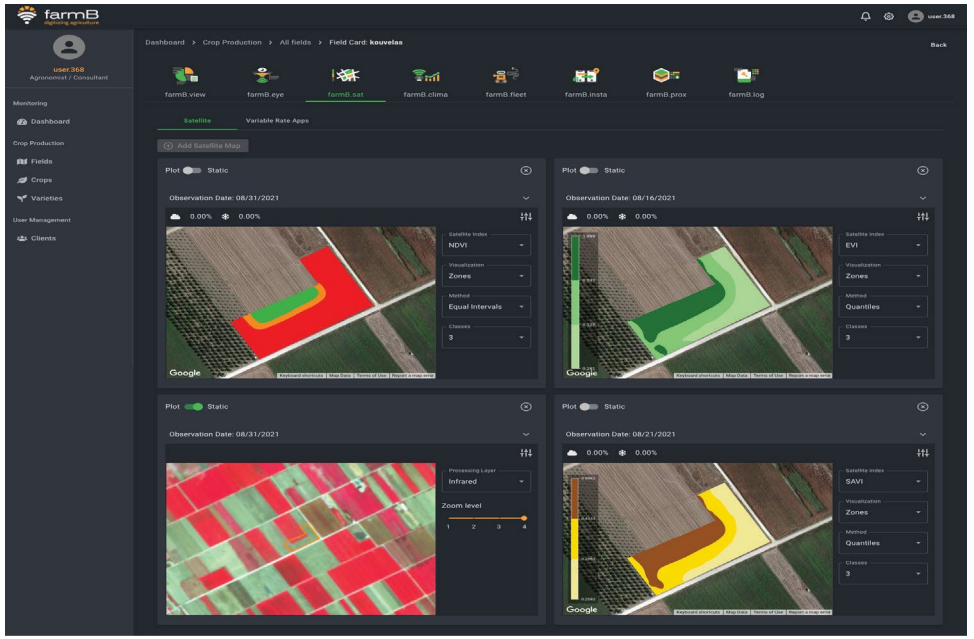
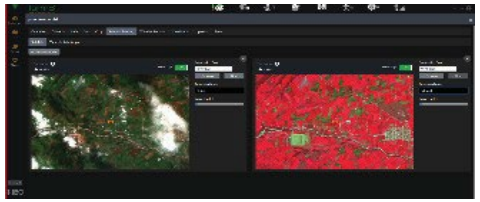
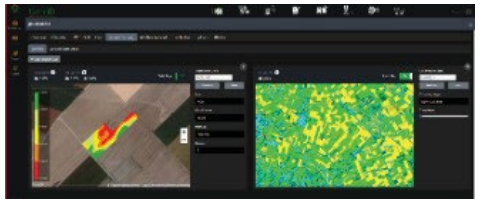


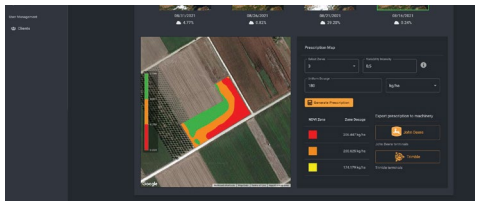
- aggiornamenti automatici delle immagini satelliti a livello di parcella
- generazione automatica di indici di vegetazione (NDVI, SAVI, EVI ecc.)
- generazione automatica di zone di gestione (in interconnessione con altri moduli)
- compilazione di file di prescrizione di fertilizzazione a tasso variabile (in interconnessione con altri moduli)

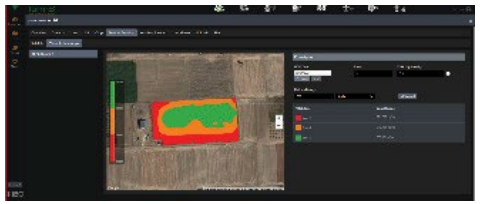


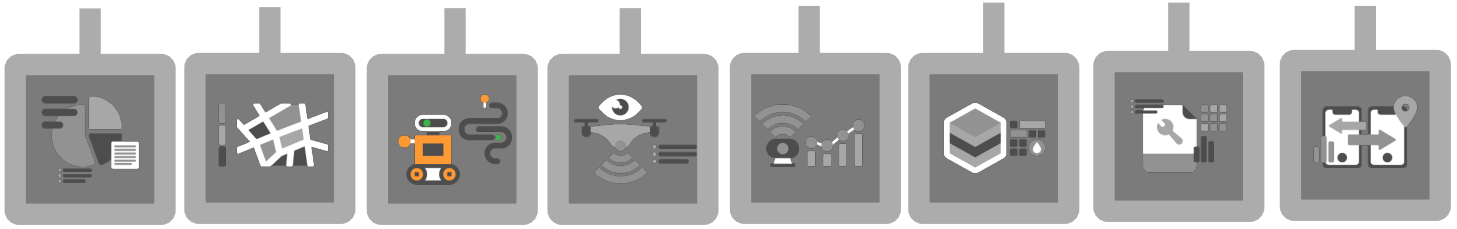




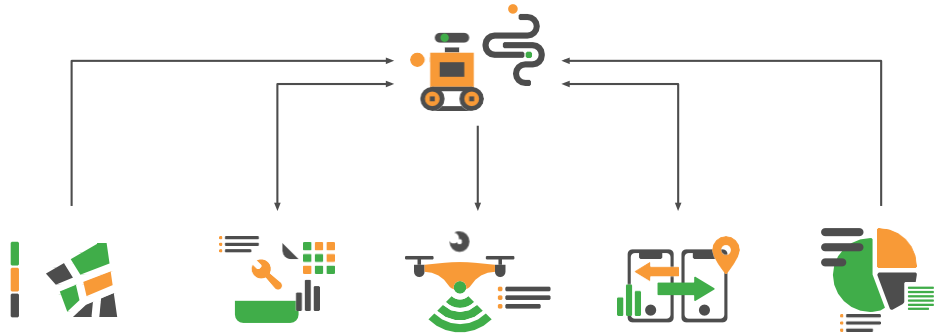


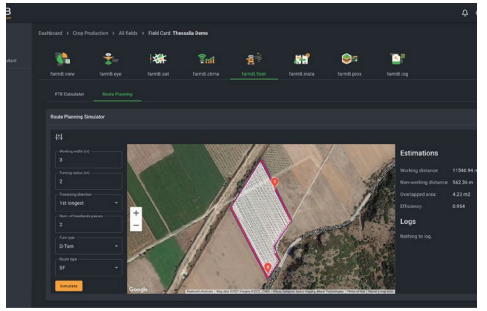


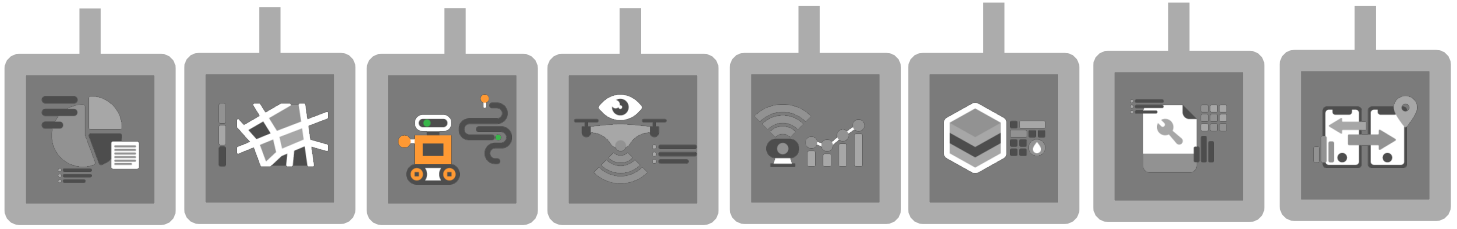




- importazione di file di macchine agricole (mappatura delle rese, fertilizzazione a tasso variabile) ISOXML, ecc.
- visualizzazione personalizzata dei dati
- fusione dei dati delle macchine e del suolo a supporto di una consulenza colturale consapevole
- pianificazione dei percorsi e delle azioni per le macchine agricole(file estraibili)

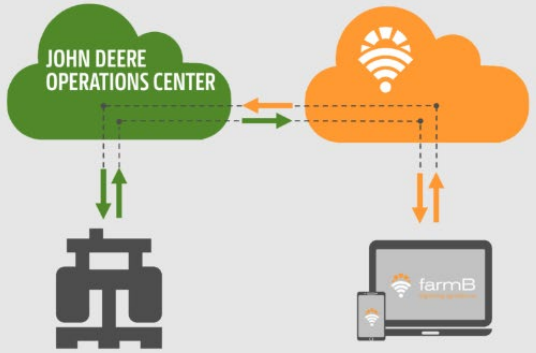


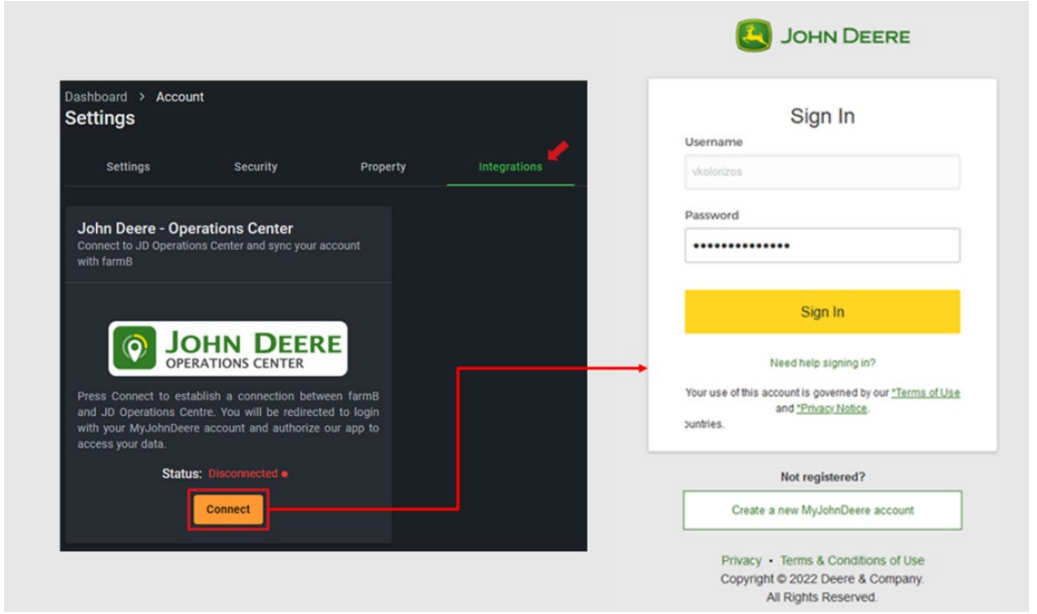




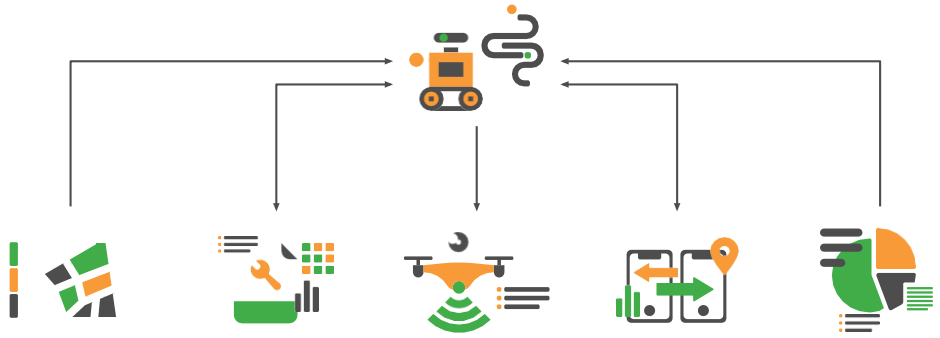
JOHN DEERE OPERATIONS CENTER CONNECTED

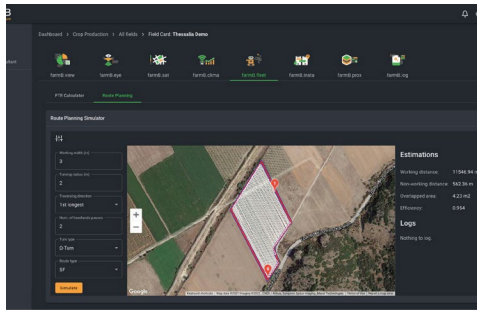
farmB digital agriculture is now connected with the John Deere Operations Center™ through John Deere's API services. This connection allows farmB to multiply its data analytics and decision making value by interoperably interchanging yield data, VRA prescription maps and field and machinery features with the Operations Center.

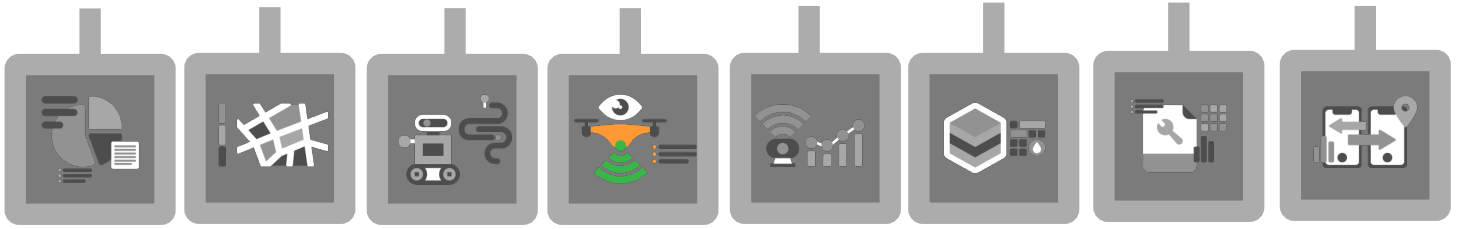


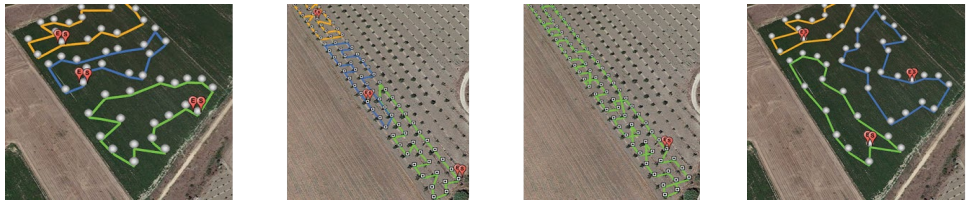


- Shape file generati in farmB sono già disponibili per John Deere, Trimble, Fendt e altri sistemi.

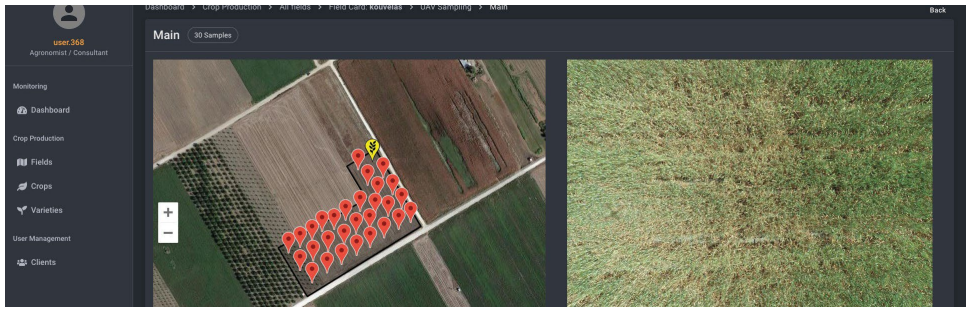


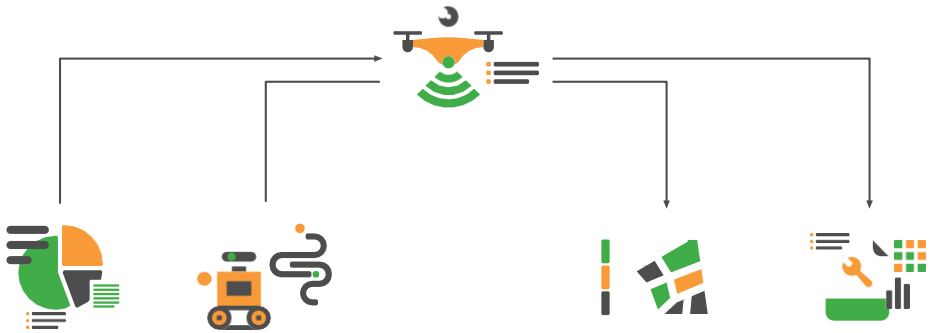


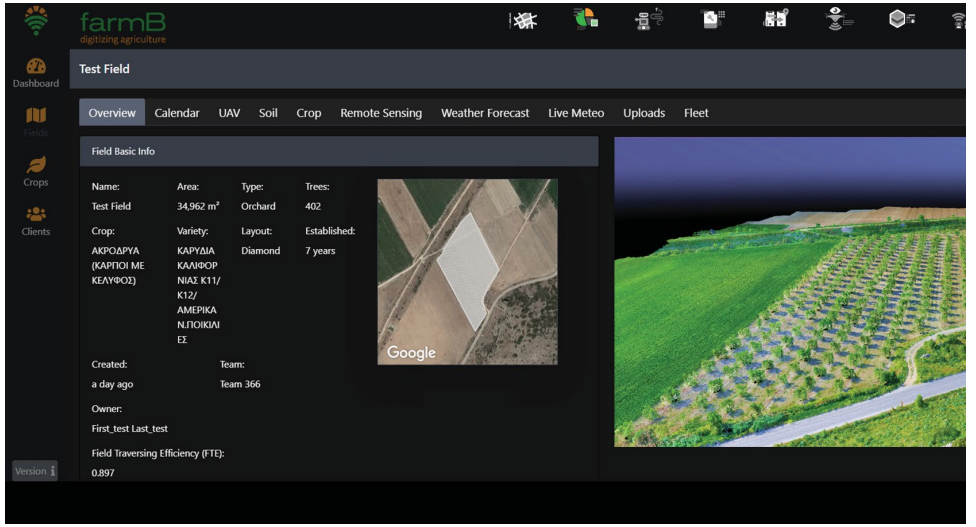


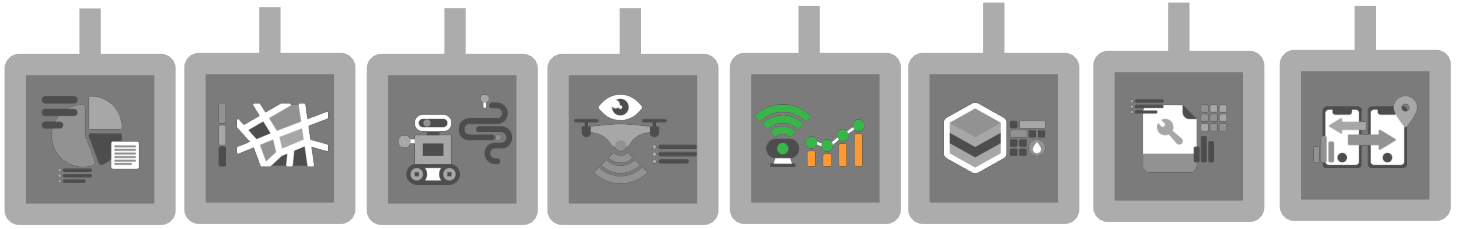


- visualizzazione digitale a livello di parcella all'interno di FarmB
- campionamento periodico mirato e georeferenziato (visualizzazione specifica del campione georiferito a livello di appezzamento)
- monitoraggio dello sviluppo delle colture, dei parassiti e delle malattie, con modelli di crescita e monitoraggio trappole IoT
- notifica automatica tramite meccanismi di allarme personalizzati)

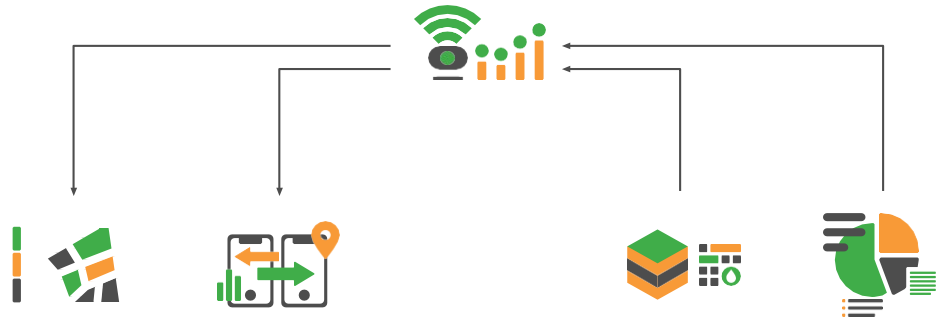


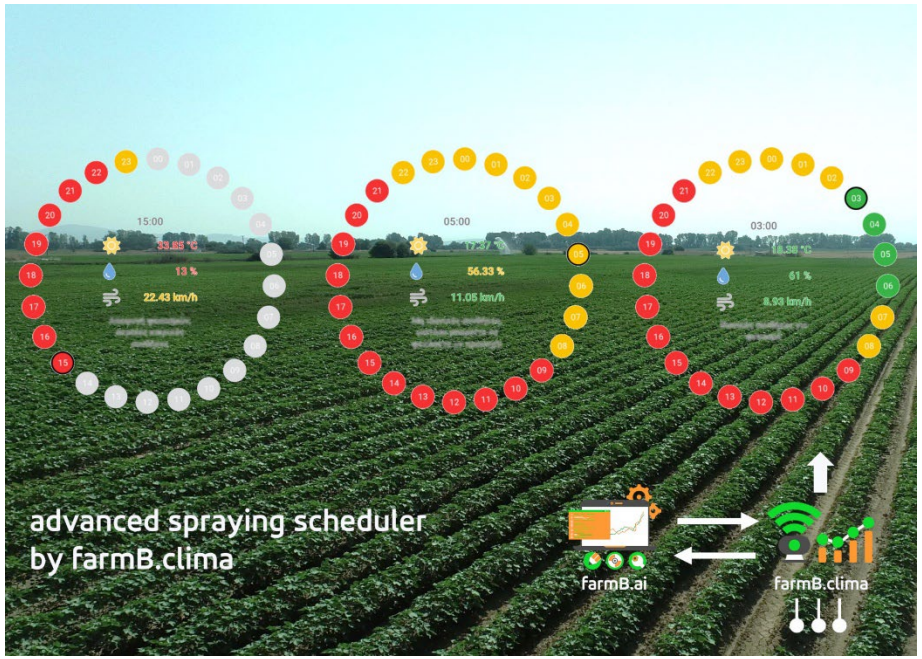


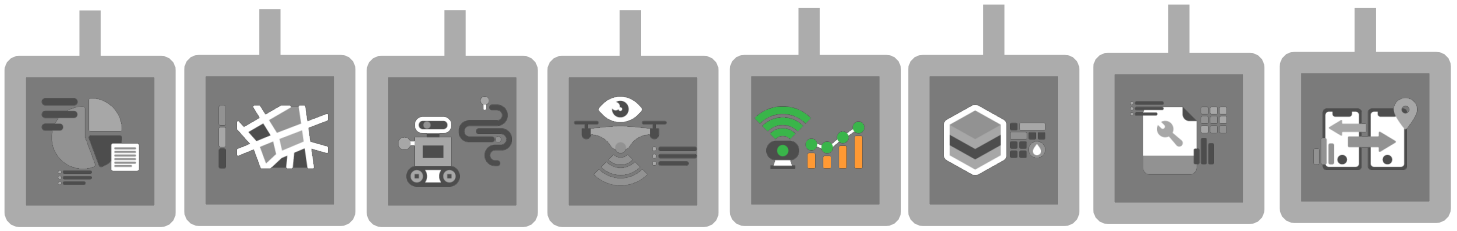




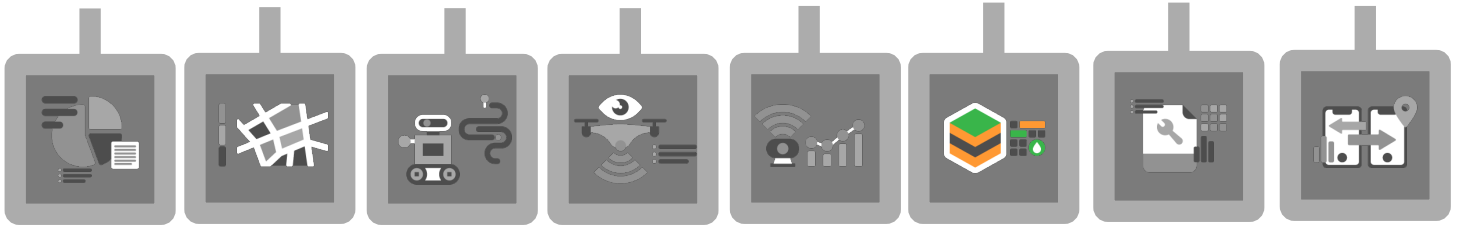
- Creazione mirata di reti di sensori Monitoraggio dei dati attraverso farmB
- Visualizzazione georeferenziata dei dati
- servizio cloud delle stazioni meteo farmB
- impostazioni di allarme personalizzate
- interconnessione e monitoraggio delle trappole per parassiti (modelli di previsione dell'evoluzione supportati) collegate direttamente su FarmB



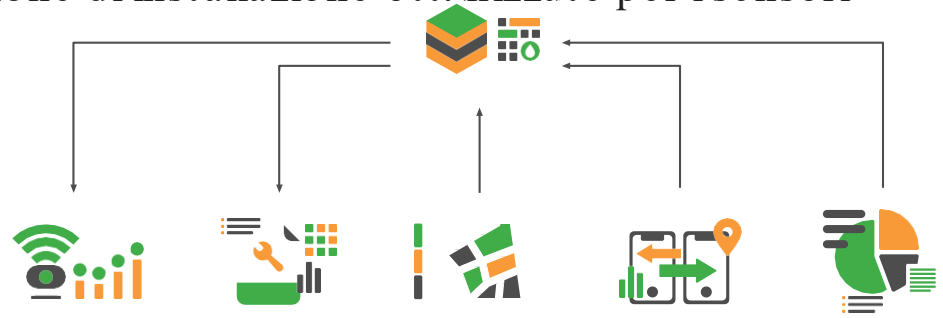


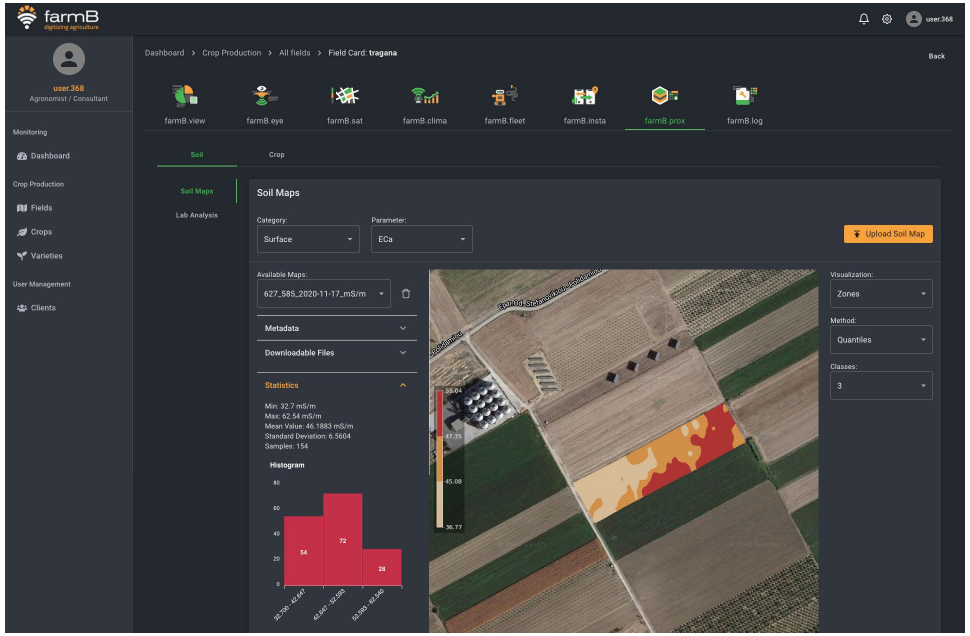


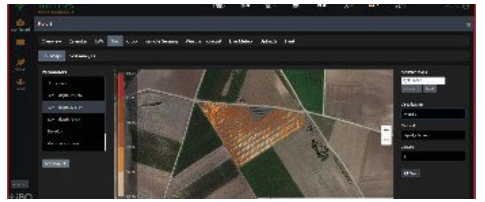
- configurazione
- codifica
- interconnessione
- aggiornamento continuo delle soluzioni di monitoraggio del microclima in campo e della pianificazione dell'irrigazione di precisione

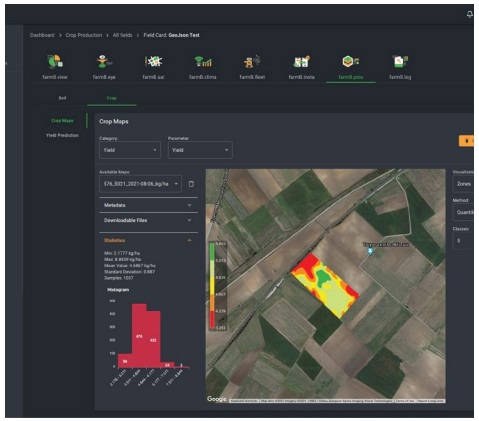


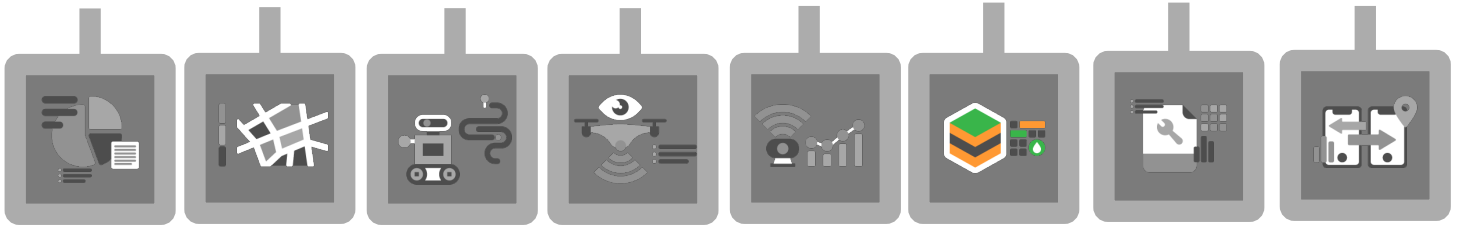
- generazione di mappe scansionate delle proprietà del suolo
- generazione di punti di campionamento ottimali del suolo
- navigazione all'interno dell'appezzamento tramite l'applicazione mobile farmB
- acquisizione e trasferimento automatizzato dei dati
- fusione dei dati per servizi di consulenza colturale
- zone di installazione ottimizzate per i sensori









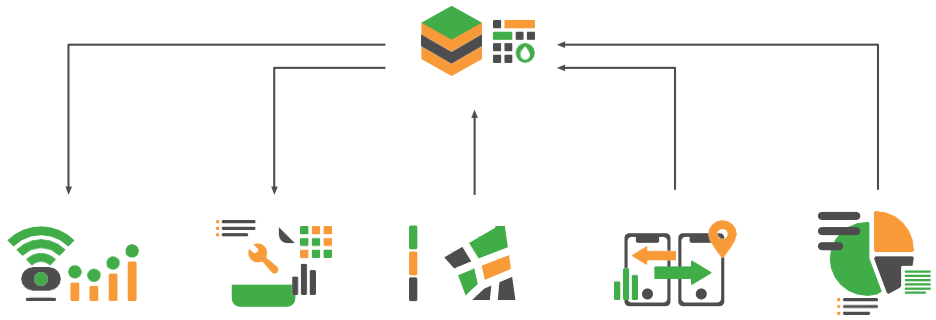


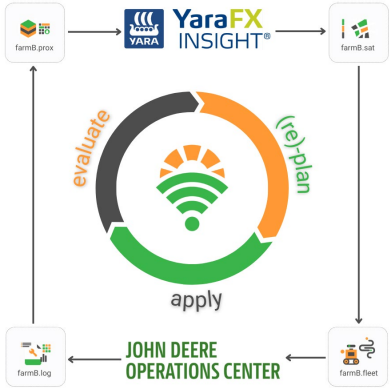

YaraFX INSIGHT®
Yara collaborates with farmB to present a comprehensive digital platform for managing day-to-day practices at field level.
farmB digitizing agriculture

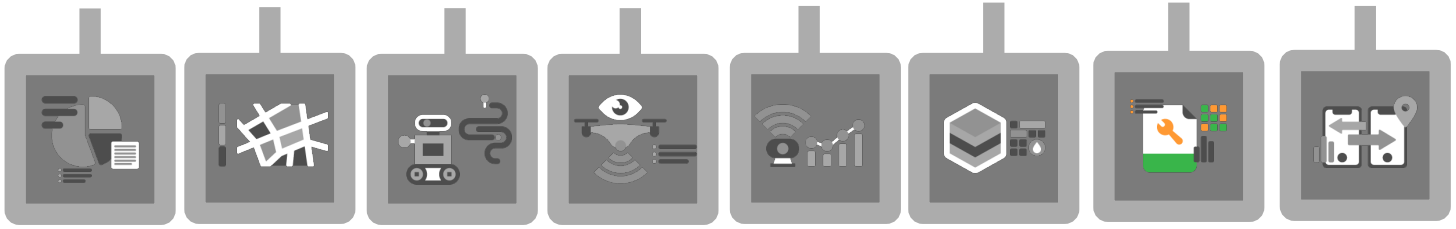

Yara integrates its digital applications into farmB's platform to create a modern technology mix that combines all of farmB's available digital technologies with Yara's deep knowledge of crop fertilization.
YaraFX INSIGHT®
farmB digitizing agriculture


A platform compatible with modern legislative requirements affecting the food chain.
YaraFX INSIGHT®
farmB digitizing agriculture

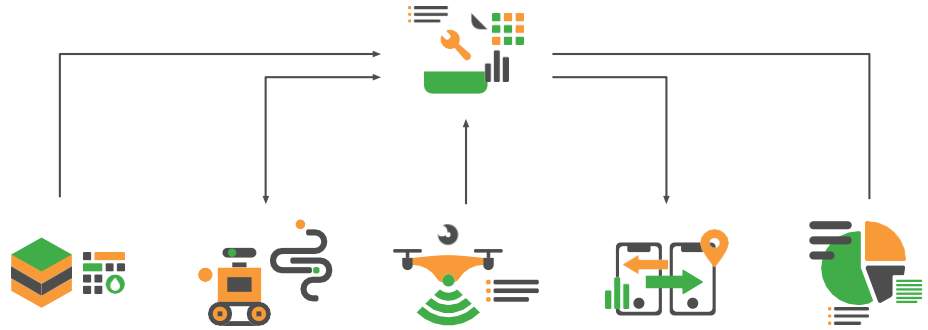

YaraFX INSIGHT®
connected
connected
farmB digitizing agriculture

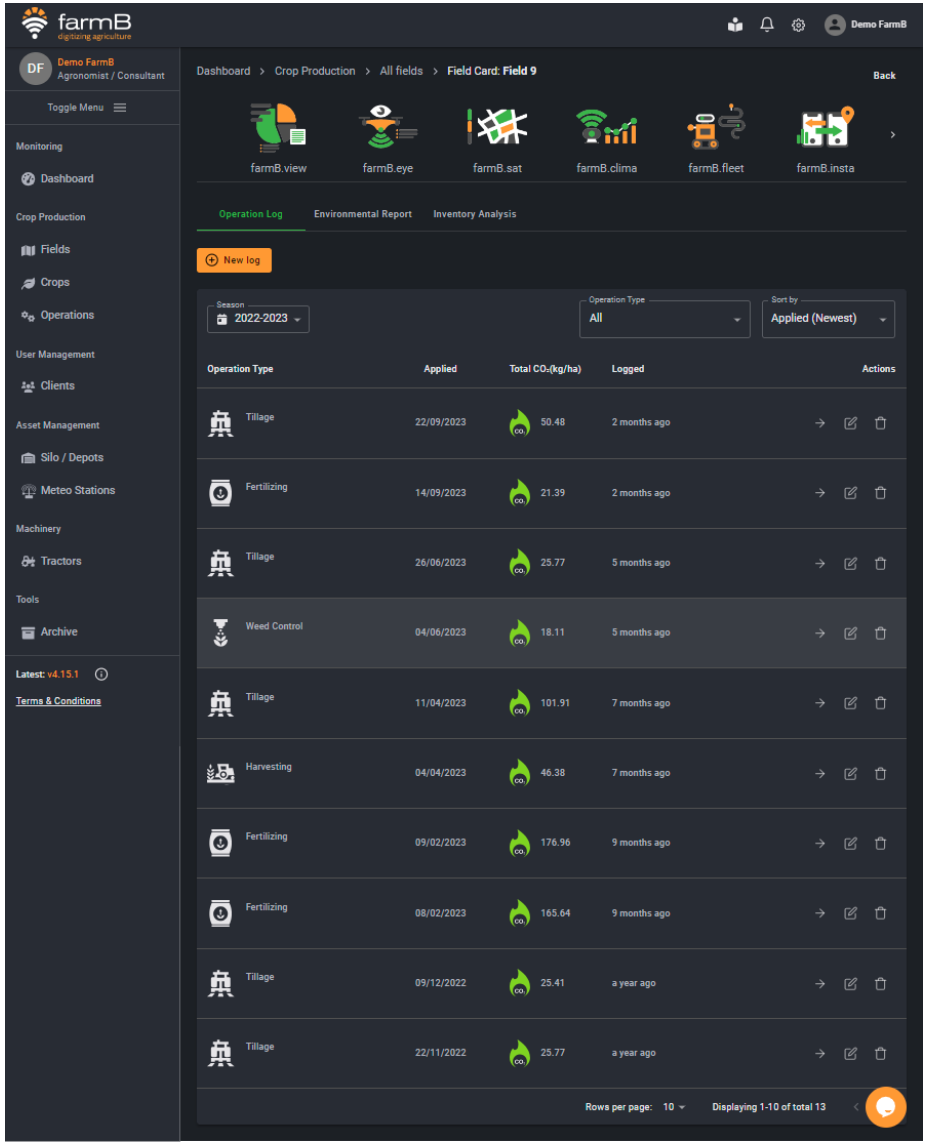


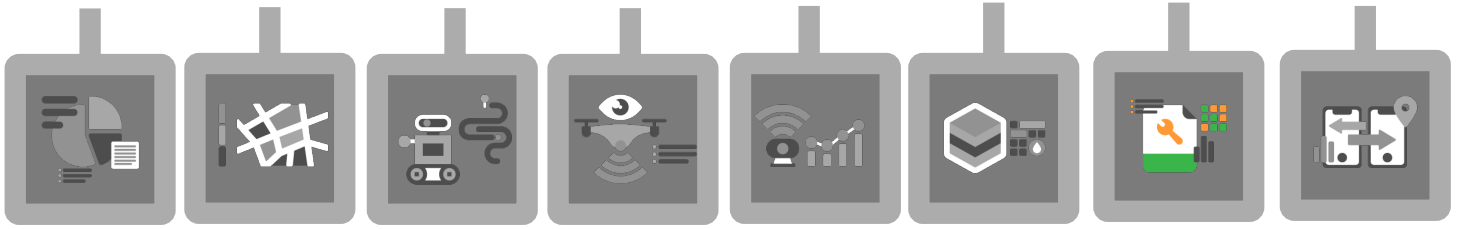

YaraFX INSIGHT®
farmB.prox
farmB.sat
evaluate
(re)-plan
apply
JOHN DEERE OPERATIONS CENTER
farmB.log
farmB.fleet

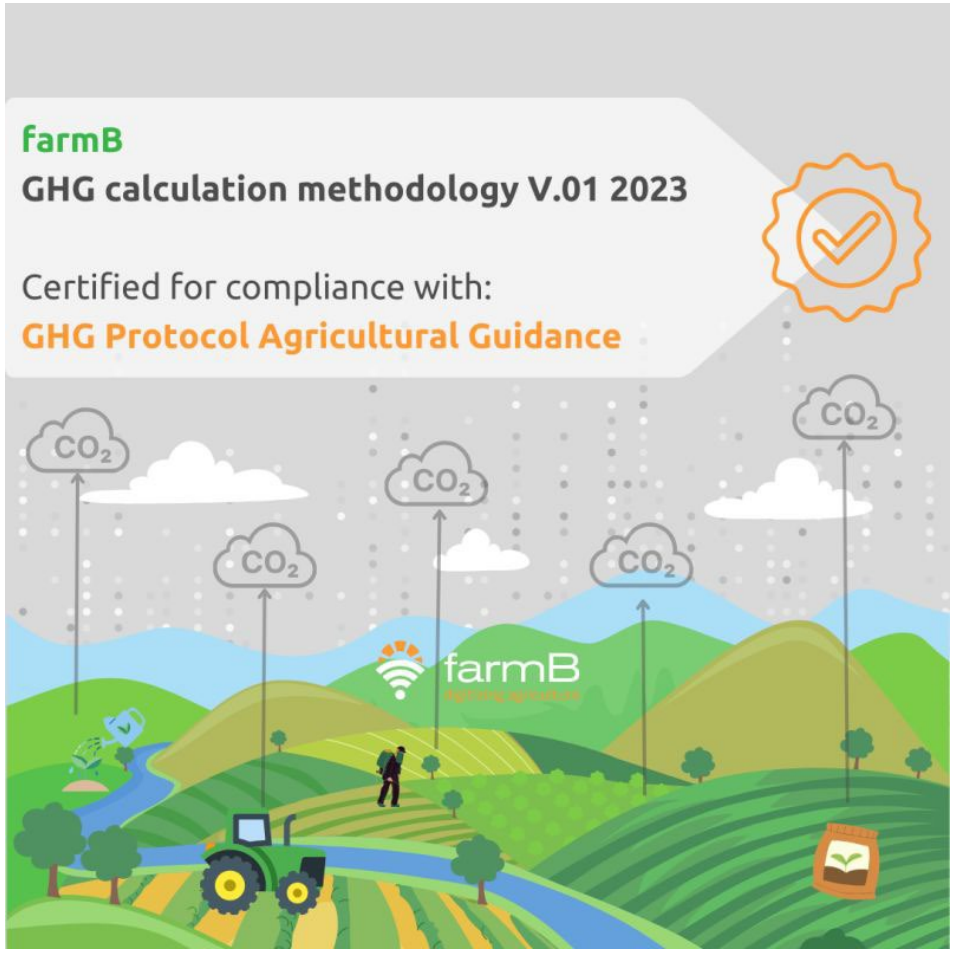


- registro delle operazioni e degli input/output a livello di singolo campo
- elaborazione automatica dei dati di log
- generatore di rapporti sulle prestazioni in base a vari criteri (appezzamento, agricoltore, coltura, team) (estraibile in pdf)
- generatore di rapporti sulle prestazioni ambientali (ad esempio,) basato su dati a livello di appezzamento (pdf estraibile)
- Rapporti sulle emissioni di CO_2
- Rapporti sull'efficienza energetica e dell'azoto distribuito



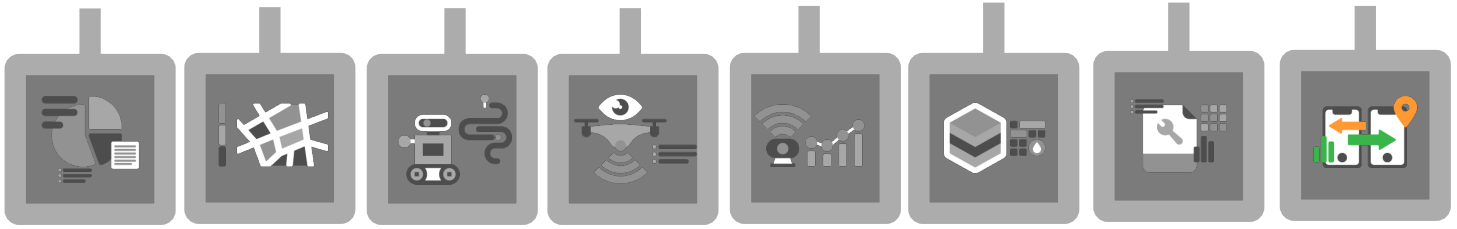




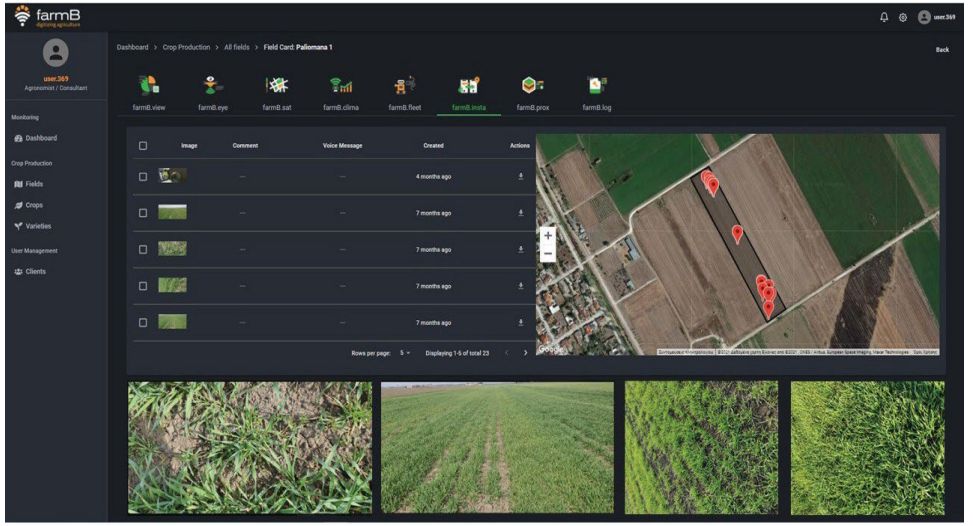

farmB
GHG calculation methodology V.01 2023
Certified for compliance with:
GHG Protocol Agricultural Guidance
CO2
CO2
CO2
CO2
CO2
farmB

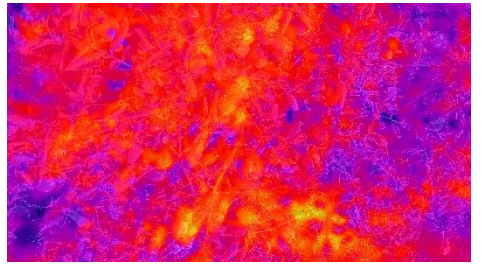

farmB.log
track and trace your agri-business
farmB

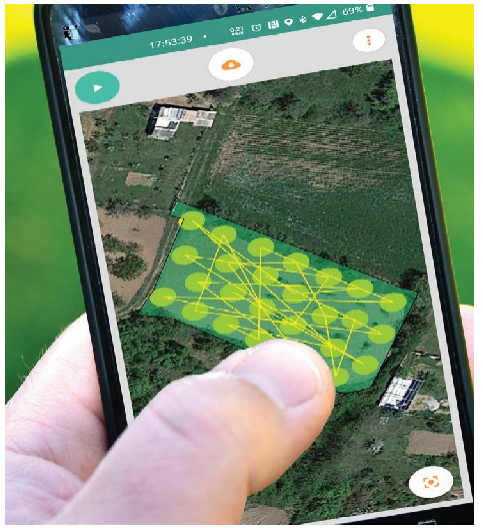

farmB
Total N Fertilizer applied
127
Total CO2
5248.85
Total CO2 for all log types
Direct
477.50
Partial - Factor Productivity
0.79
Total CO2 per area unit
1044.13
Indirect
566.63
N Balance Intensity
-124.87
Total CO2 per product unit
52.49
Total
1044.13
NUE (Nitrogen Use Efficiency)
0.02
Farm-Field Transportation
150.84
Total CO2 per log type
Total CO2 per category

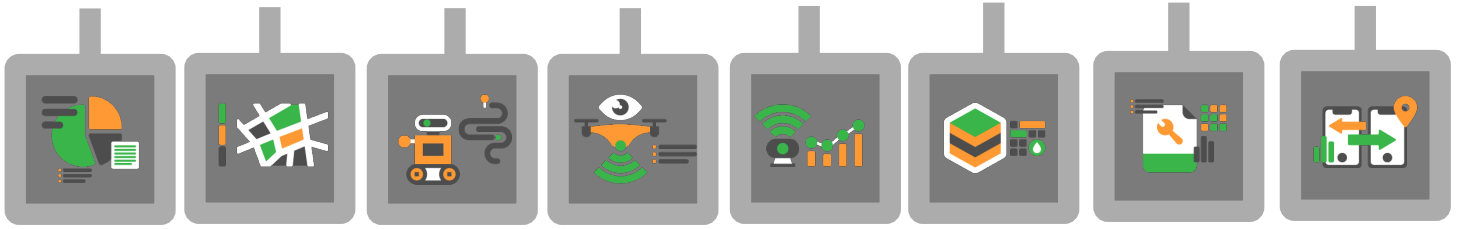


- trasferimento istantaneo dei dati (ad esempio, immagini, note, dati di campionamento) alla "base" web della FarmB
- registri che tengono traccia dei dati inviati a livello di parcella
- consultazione in tempo reale
- navigazione sul campo verso i punti di interesse
- Generazione di zone di coltura e di suolo









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✓ working together with leaders in agri-industry

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Γεωργικά Εφόδια ΑΡΧΟΝΤΗΣ

> 50,000
Fields

> 150,000
Hectares

> 500
Licenses

> 25,000
Farmers

AGRI-INDUSTRY

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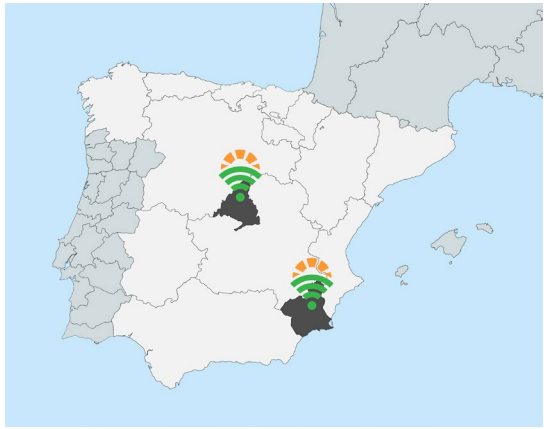

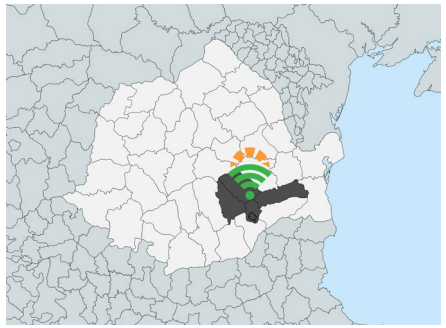

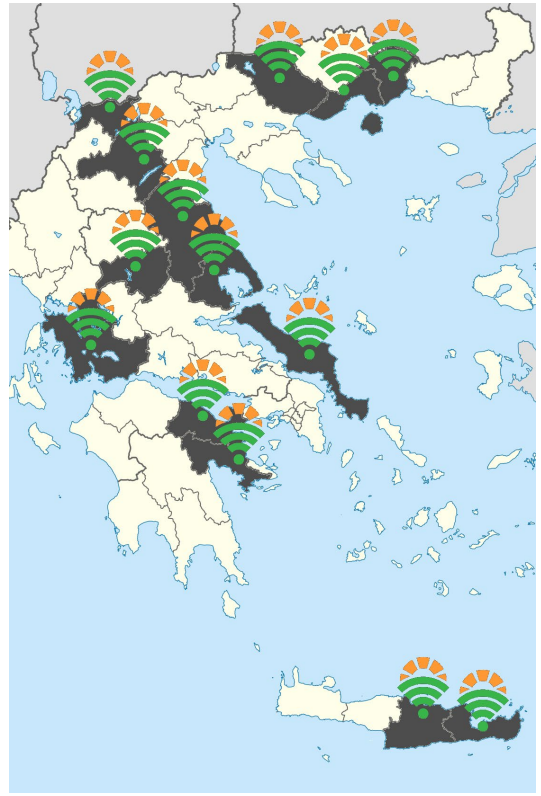

> 50,000
Fields

> 150,000
Hectares

> 500
Licenses

> 25,000
Farmers


"I see firsthand how farmB's system, with its advanced zone management tool, has revolutionized the way I farm, helping me to maximize crop yields. "
- Giorgos Karagiannidis -
Exochi, Xanthi | Greece
testimonials
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"FarmB's zone management system optimized the use of fertilizers in the field, minimizing the environmental impact."
- Giorgos & Dimitris Ziamas -
Neo Perivoli | Larissa | Greece
testimonials
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"farmB supports us by providing constantly improved variable fertilization maps, which I easily use directly on my tractor."
- Christos Kalfoutzos & Panagiotis Kalfoutzos -
Larissa | Greece
testimonials
farmB


The variable fertilizing system utilizes all the available data maps, effectively distributing the amount of fertilizer in the field, reducing the required input.
- Giannis Velkopoulos, farmer -
Athyra | Greece
testimonials
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"farmB allows me to also utilize the combine's yield data, for applying the exact fertilizer dosage for each field spot."
- Nikos and Achilleas Gkoutas -
Agios Athanasios | Larissa | Greece
testimonials
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We trust the advanced zones management system that the farmB platform provides, as we intervene with only the necessary fertilization rates, reducing production costs.
- Giannis Karaligkas, farmer -
Kozani | Greece
testimonials
farmB


farmB
testimonials
"We see the production cost in our farm being reduced, thanks to the expert advice given by the agronomist through the farmB platform."
- Sofoklis & Thomas Filippidis -
Gazoros | Serres | Greece


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testimonials
"Thanks to the farmB technology, monitoring of crop growth, insect threats and overall field management became easier."
Skyftas Spyros | Agronomist
Agrofrontida Larissas | Melia , Larissas


"After the successful application of variable rate fertilization on wheat, we trust farmB's system for the application on rice, one of the most demanding crops, in order to improve our yield."
-Nikos Gkoutas & Achilleas Gkoutas-
Agios Athanasios | Thessaloniki
testimonials
farmB


farmB
Testimonials
"Modern agriculture necessitates the progress of the Agromatrix team of agronomists, focusing on advanced agricultural research and field experimentation in cooperation with the people of farmB who catalyze their progress towards this path."
Agromatrix | Kalos Agros, Drama


"Yield mapping allows for an immediate view of your production. It also provides with knowledge of your field and its needs so that it yields the maximum possible."
- Thanasis Varsamidis, Farmer - Kozani | Greece
testimonials
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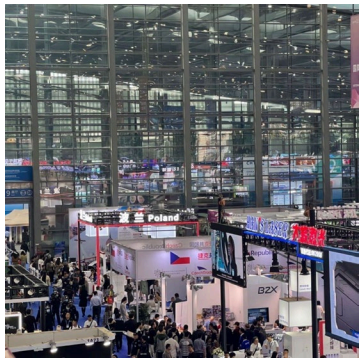
testimonials
"By automatically adjusting spraying dosage to the targeted requirements of each field-spot I save input material and make my production even more environmentally-friendly."
- Kalfoutzos Christos, Producer -
Agrokipio / Magnisia


15,000€


Poland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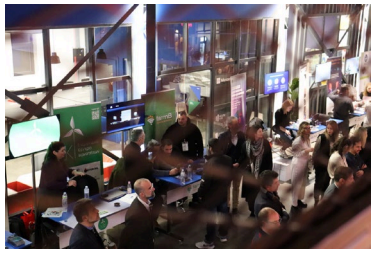



Hellas Greece

With conservative calculations the average prices in European schemes are **€13 t CO2eq**, with prices ranging from €6 to **110/t CO2eq***. At the same time the mitigation capacity of carbon farming in the EU is estimated at **159 MtCO2eq/year**^. This translates to a potential annual market value of **€2 bn** when using the average current price, which is expected to rise considerably in the future.

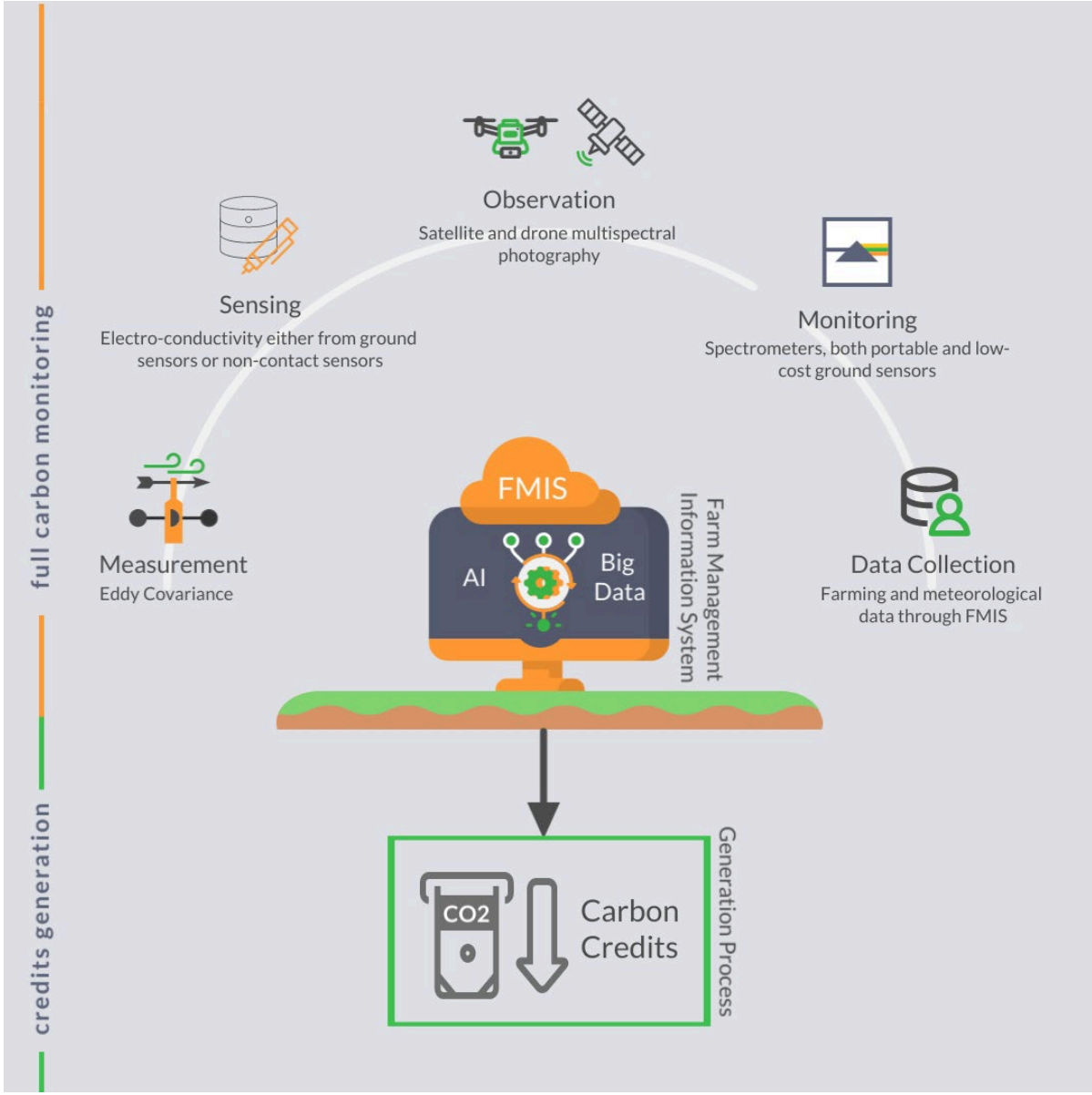
- Cevallos, Gabriella, Julia Grimault, and Valentin Bellassen. Domestic carbon standards in Europe-Overview and perspectives. EIC Climate-KIC, 2019.

^ Aubert, P.M., Marie-Hélène Schwoob, and X. Poux. 2019. 'Agroecology and Carbon Neutrality in Europe by 2050: What Are the Issues? Findings from the TYFA Modelling Exercise.' Study N°02/19. IDDRI.

farmB.log è uno strumento essenziale per la contabilizzazione delle emissioni di gas serra e funge da sistema di certificazione e verifica necessario in base al Piano strategico della nuova Politica agricola comune (PAC).

farmB plan

- farmB mira ad emergere come **pioniere nel nascente mercato dell'agricoltura del carbonio dell'UE**. Nell'ambito dello sviluppo tecnico, farmB sta lavorando per creare una solida metodologia per il monitoraggio del sequestro di carbonio nel suolo. L'asse del modello di business sfrutta la posizione unica di farmB che consente la correlazione dei dati, l'analisi da drone e da satellite e l'implementazione dell'intelligenza artificiale, esplorando diverse strategie commerciali, tra cui i servizi autonomi di credito di carbonio a basso costo.



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