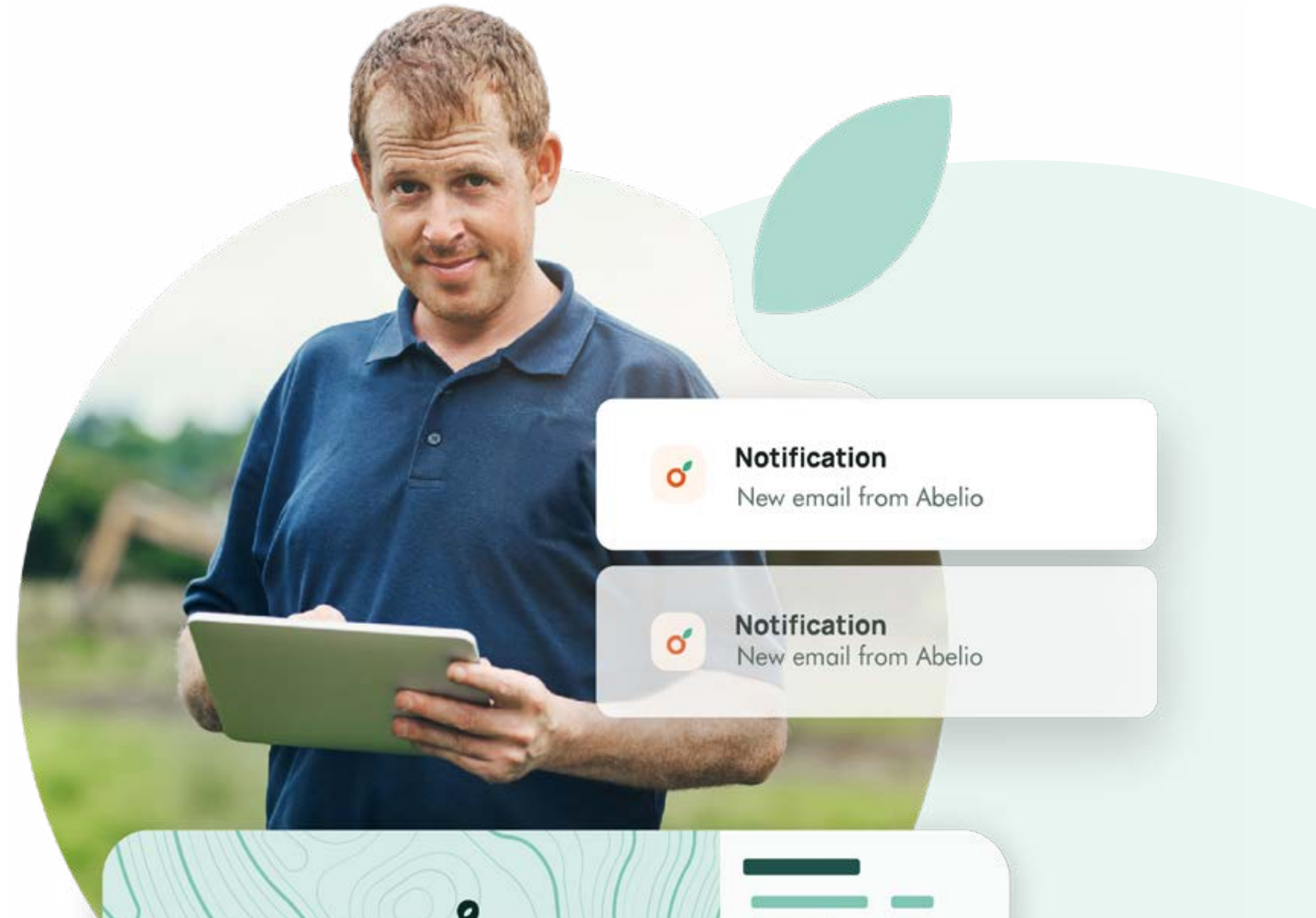


# Simplify your farm monitoring

with

abelio



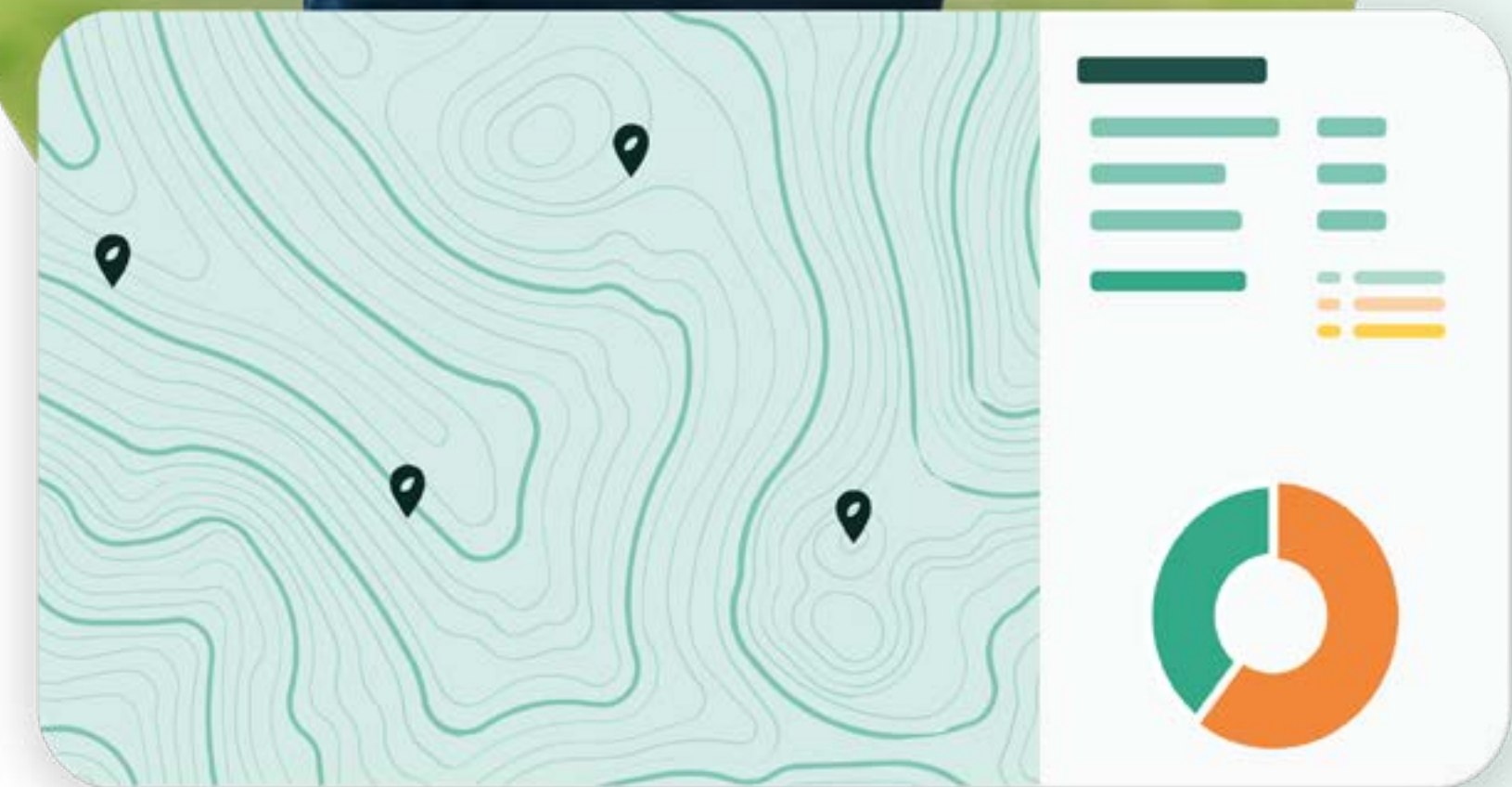
**Notification**

New email from Abelio



**Notification**

New email from Abelio



# 4 services, 1 solution

A turnkey solution to simplify your daily life!

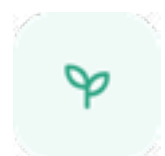
Find maps, alerts and modulation files on a single platform, connected to farming tools (traceability, weather stations, etc.)



## Optimisation of fertilization

Nitrogen recommendation and dose modulation by **satellite**

**Crops:** wheat, barley, rapeseed, maize, potatoes



## Weed detection

Detection of thistles, daturas and generic weeds **by drone**

**Crops:** beet, green beans, maize, soya, flax, potatoes



## Forecasting of stages and diseases

Forecasting of stages and diseases using **agro-meteo data**

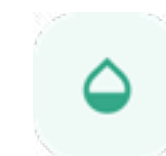
**Crops:** wheat, barley, maize, potatoes



## Irrigation management

Water tour management using **satellite** and **agro-meteo data**

**Crops:** wheat, barley, maize, soybeans, green beans, potatoes

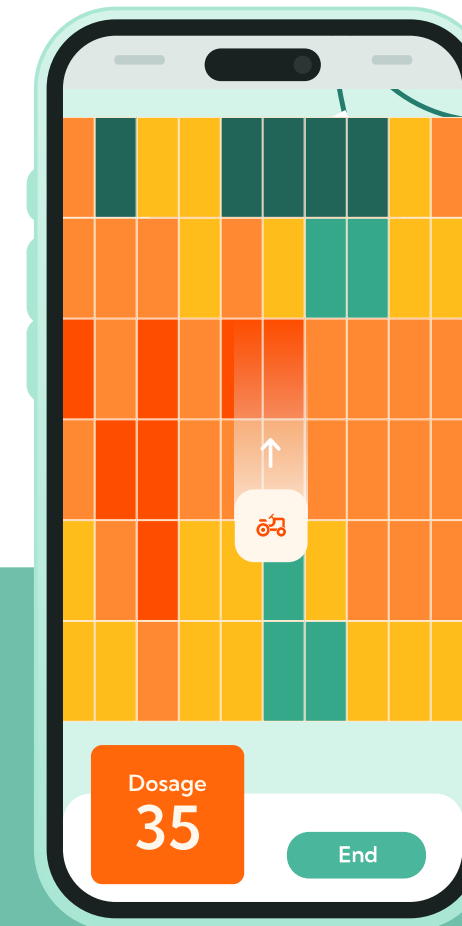




# Optimize your nitrogen intakes

Improve your performance by providing the right dose, in the right place!

- Generation of reliable agronomic advice available **within 1 hour after adding a plot**, unlimited updatable and at **no additional cost**
- Use of the **latest satellite images** that can be used continuously
- Modulation cards ranging from 2 to 10 zones, adapted to the console for **automatic modulations**. **Manual modulation** available via mobile app.
- Possible uncapping of the dose** provided for by the regulation as a last application if the needs of the crop justify it



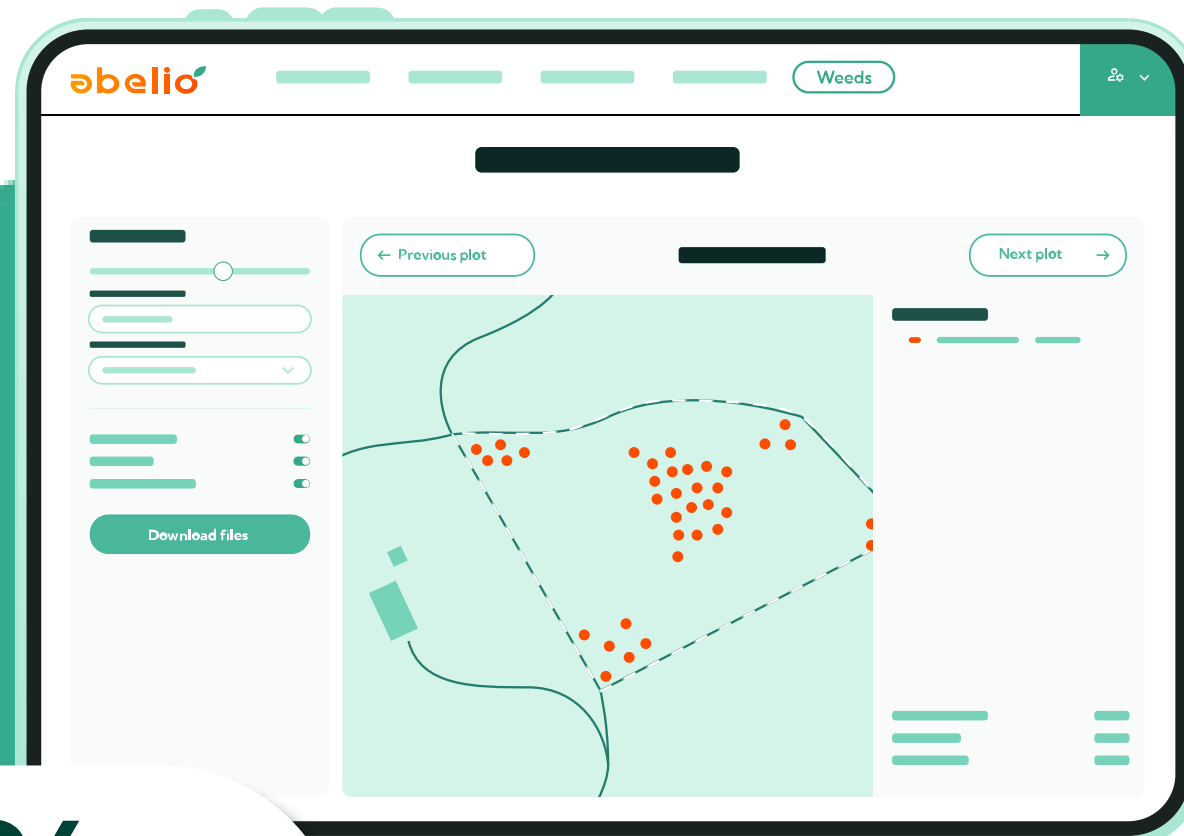
**-5%**  
nitrogen on average  
per hectare  
(Arvalis/Terres Inovia)

**+0.8%**  
protein gain  
(Arvalis)

**+300kg**  
average yield per  
hectare  
(Arvalis)

# Detect your weeds

Locate and treat while saving on herbicide!



**68%**  
average herbicide  
savings on beets  
(INRAE)

- o Detection of **thistles** on beets, potatoes and flax, detection of **datura** on corn and green beans, generic detection of weeds on corn
- o 1 drone flight for precise detection of weeds (2 possible for datura)
- o **Customizable zone detection and modulation** cards suitable for treatment by section cutoff or nozzle to nozzle

# Evaluate the health of your crops

And optimize your fungicide use by triggering the treatment at the right time!

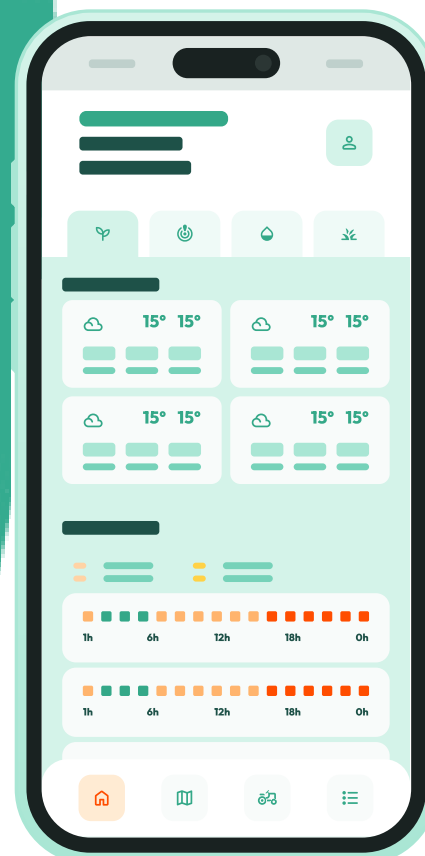
- o Agro-weather models to warn the farmer:
  - Risk of appearance of diseases on straw cereals and potatoes (mildew)
  - On the evolution of culture
- o Agronomic reliability with the use of **proven models** (Arvalis)
- o Advantages:
  - **Economical:** gain in yield and reduction in the use of fungicides
  - Ecological and regulatory



**-21%**  
of fungicide used on  
average  
(Arvalis)

# Pilot your irrigation

Optimize your water resources while avoiding stress on your crops!



**500m<sup>3</sup>**

of water saved per  
hectare per year on  
average

- o A set of data grouped together to **optimize decision-making**: water balance calculated from soil data, data and characteristics provided, spatial weather forecast, etc.
- o Satellite data to more precisely estimate the consumption of culture
- o **Adapted to operational constraints**: duration of a water tour, quotas, waiting days
- o **Compatible with weather stations** (AgroExact)



# Benefits for all

## Use of inputs

### Valorize each unit



Inputs optimization



Regulation conformity and differentiating services

## Crop quality

### Maximize yields, limit losses



Improved yields and crop rejection avoided



Quality crops and compliance with specifications

## Time management

### Save valuable time



Working comfort, optimized time (unique tool)



Simplified logistics and operational monitoring



Farmer's advantage



Distributor or cooperative

# Abelio solution in a few figures

**+140**

Distributors of  
Abelio services

**+10 000**

Farmers  
users

**30s**

To set the  
platform

An extensive network of partners

Bonduelle

invivo

planet.

ardo

AgroExact

esa



# Contact

Are you interested in our decision support tools or want to know more?  
Contact us!



[contact@abelio.io](mailto:contact@abelio.io)



abelio

FARM MONITORING