

# Smart Digital Farming - Flanders BE

## Introduction to the initiative



According to the UN Food and Agricultural Organization (FAO), the global population will reach 8 billion people by 2025.

If we add changing food habits in Asia, the increasing need for potable water and emerging bio-availability issues due to climate change to the equation, then we face one of the most important challenges in the upcoming decades for planet Earth.

In order to keep up the pace, food production will have to increase with 70% by 2050. Our world is simply not big enough to feed all mouths in a sustainable way.



Agri-food needs more than just precision alone ...

it needs smartness on top.

The call to integrate intelligence with precision farming is louder than ever.





Smart Digital Farming gathers expertise in the Flemish region of Belgium in order to answer to that call.

We are a group of enterprises dedicated to the cause of applied agri-smartness from farm to fork, striving for innovation and data sharing from farmer to consumer.



# Smart Digital Farming stands for applied agri-smartness

SDF is an initiative of companies active in innovative precision farming -and livestock breeding with as main objectives:

- Deploy economic potential and enhance the competitiveness of Flemish enterprises via active and sustainable collaboration in the agri-food sector
- Contribute with solutions to the societal/agricultural challenges with a direct economical added value for Flemish enterprises
- Stimulate open innovation, market -and product innovation, and international exposure of the SDF initiative.

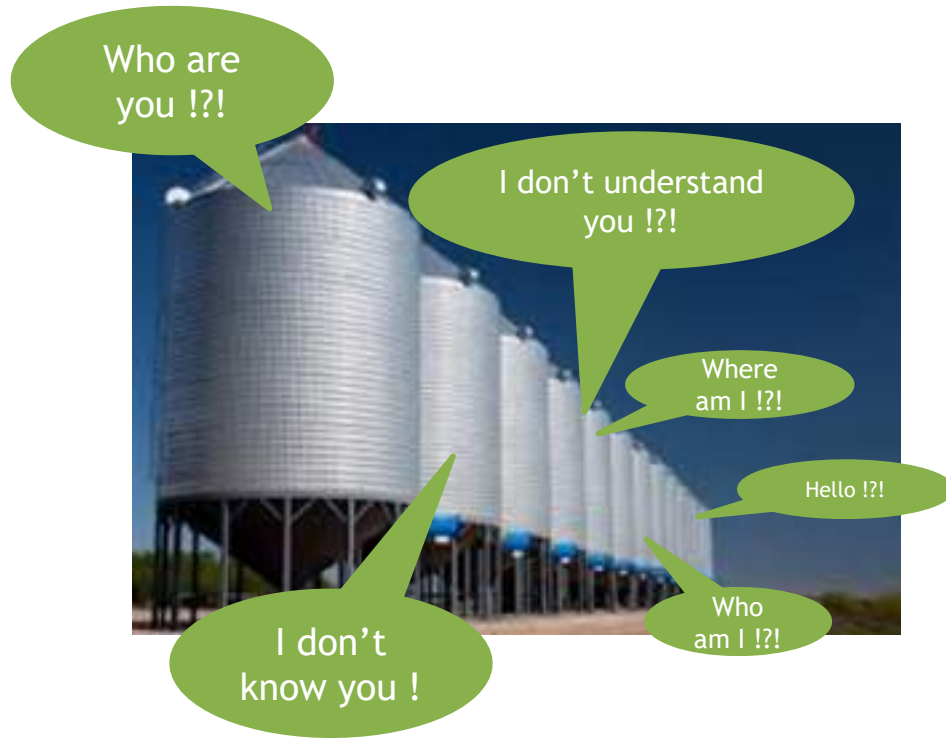
The technology is there ...

The data is available ...

But data integration is lacking

And so, applied intelligence on aggregated and correlated data is not up to the level according the needs of the agri-food sector





The well-known phenomenon of fragmented information, aka

**‘DATA SILOS’**

can be considered as one of the most important hurdles of applied intelligence in precision farming -and livestock breeding

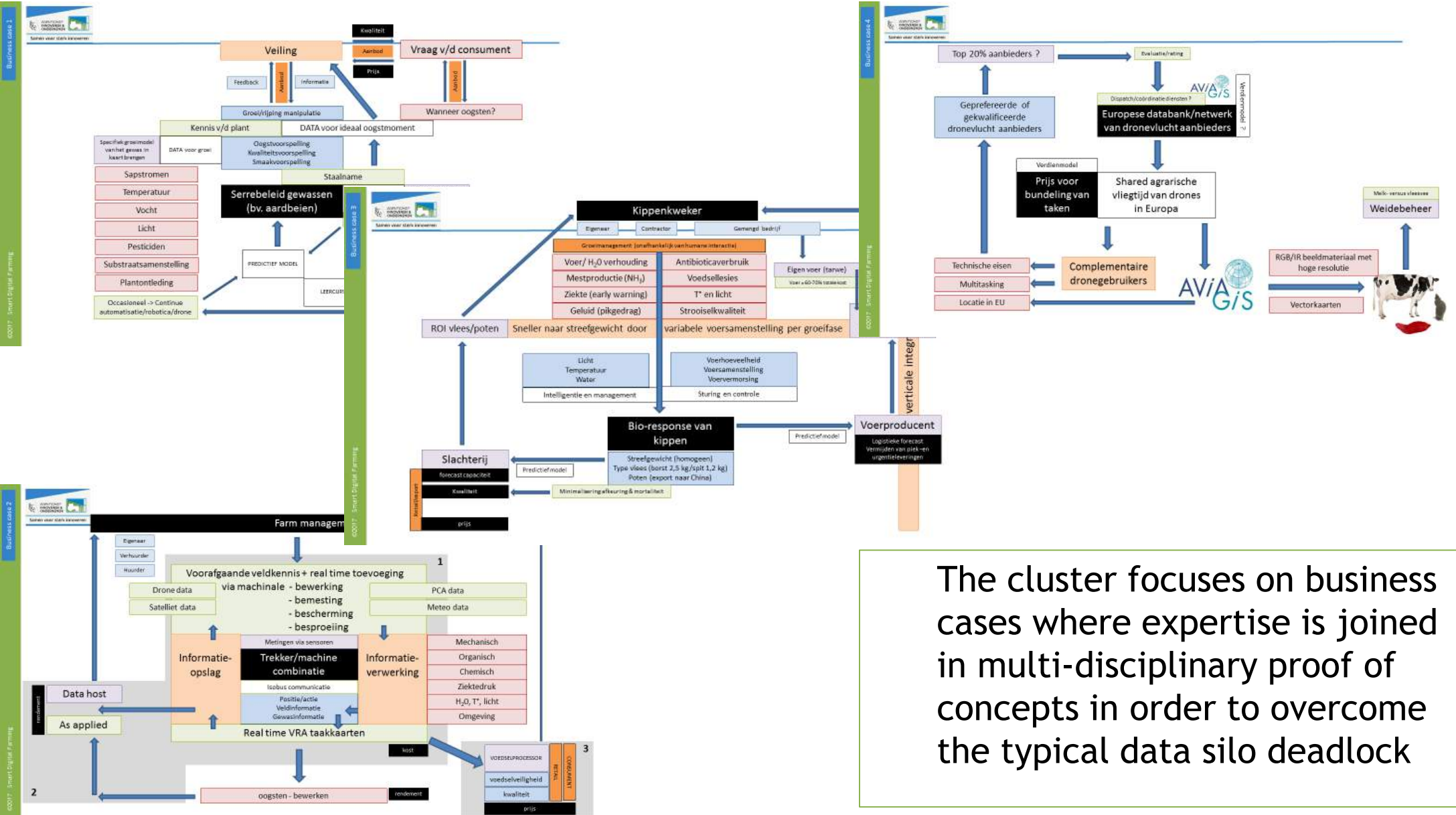
Smart Digital Farming gathers companies with core activities in

- primary production
- secondary production and third line suppliers
- geo-ICT services
- sensor development, drone operations and embedded controllers
- data analytics
- IoT devices and services
- agriculture machines and supplies manufacturing





# Business cases



The cluster focuses on business cases where expertise is joined in multi-disciplinary proof of concepts in order to overcome the typical data silo deadlock

# Members today



Bayer CropScience

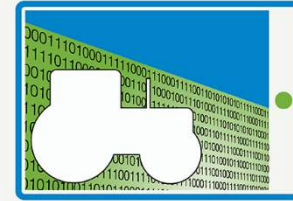


# Partners today





**FLANDERS  
INNOVATION &  
ENTREPRENEURSHIP**



## Clusters for Innovation

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