



 **van den borne
aardappelen**



The company

VAN DEN BORNE AARDAPPELEN



- Arable farming , Sandy soil



- Reusel, Noord-Brabant – The Netherlands



- 5 co-workers

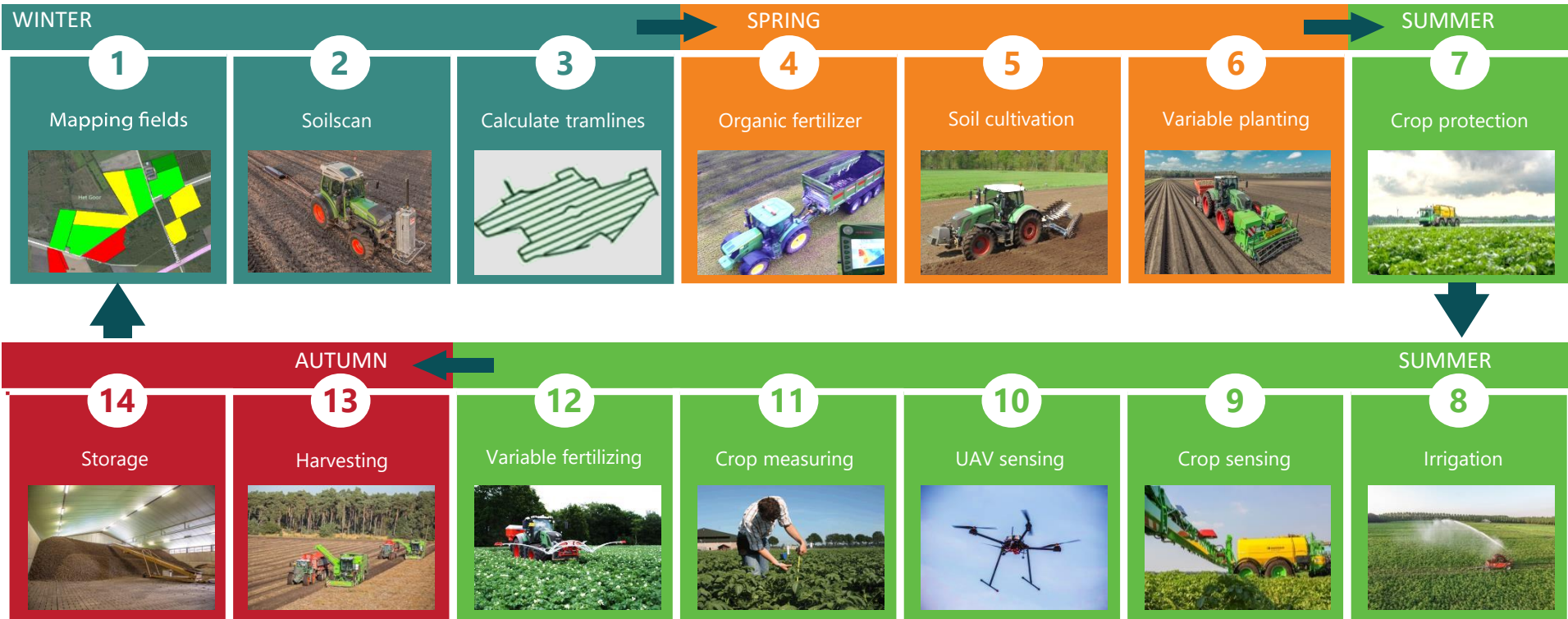


- 180 fields, average size 3ha , average of 6 corners for each field = 13 % overlap
- Precisiontechnology since 2006, PrecisionFarming since 2009



Precisionfarmingcyclus

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Soil scan

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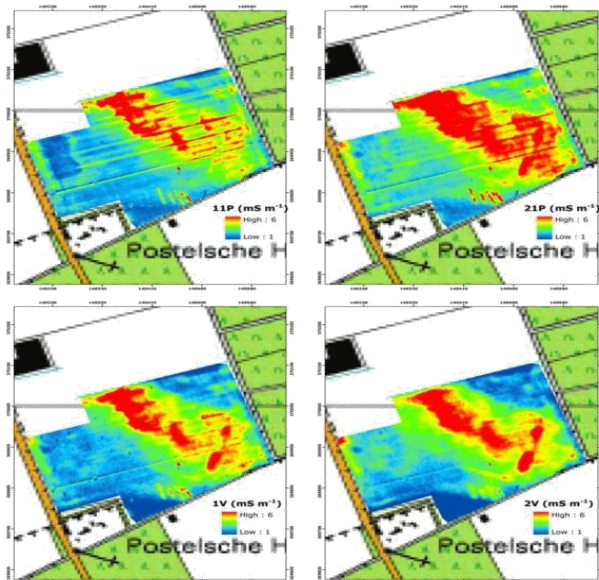


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Soil scan



ORBit
www.orbit.ugent.be



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Controlled traffic farming

- Controlled traffic farming has an average of 7% more yield



Calculate tramlines

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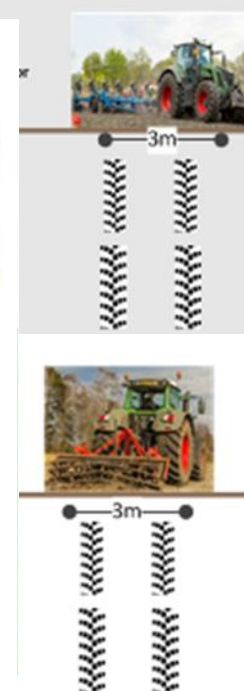
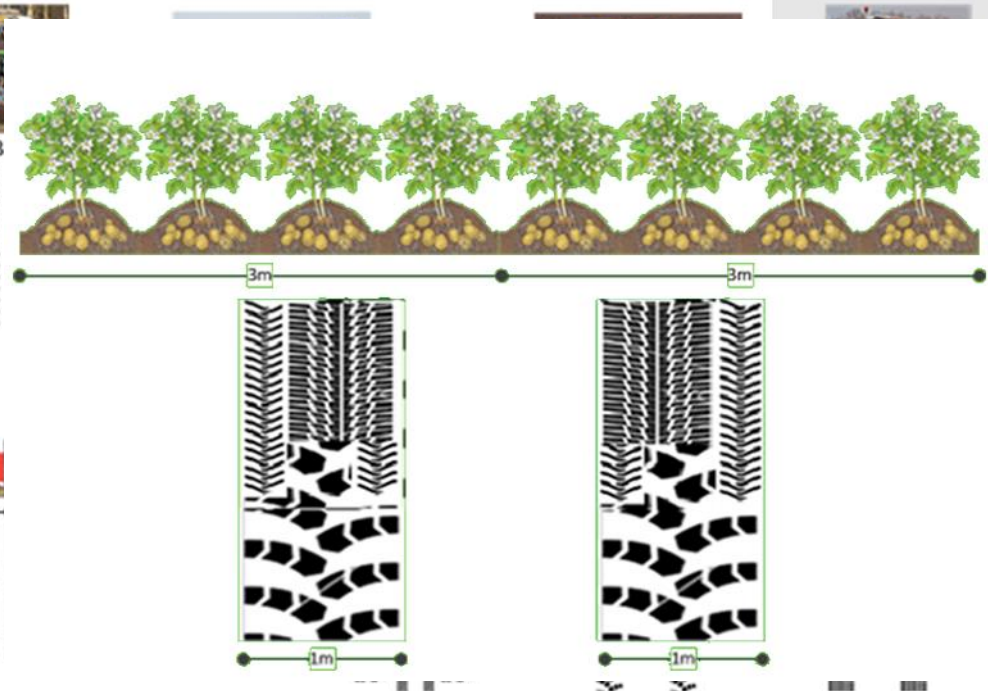


Current situation

Desired Situation

In desired situation

- At least 2/3 non-wheeled
- On the traffic lanes not more soil compaction than applied to the whole field in current situation



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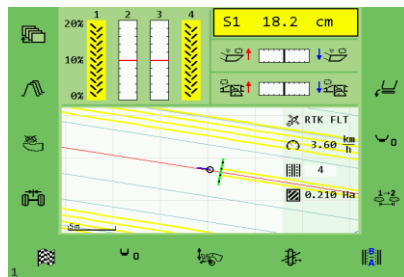
Variable planting



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6

Variable planting



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Irrigation

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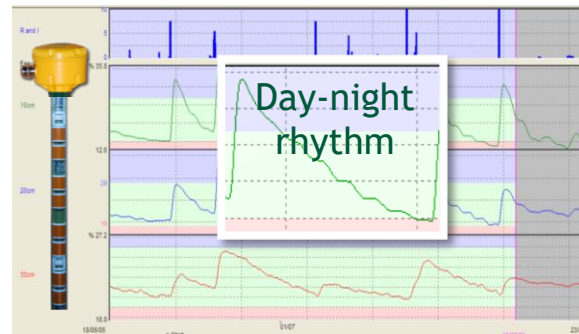


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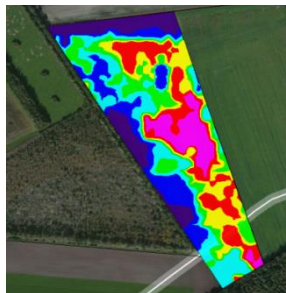
Irrigation



Weather data



Soilconductivity



Soilmoister



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Crop measuring

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Crop measuring



Increase your growth
TTW



1 m¹ **roelen**
(3 planten)



hoogte
grond tot top
stengel



aantal
stengels



aantal
etages



**weeg
stengels +
loof** van de
gerooide
planten



**weeg
wortels**



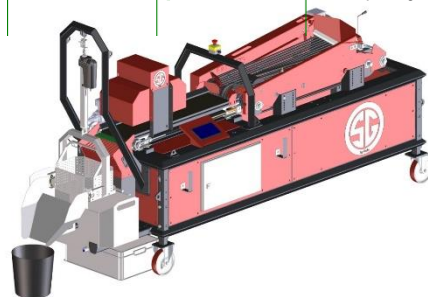
sorteer+tel
knollen



weeg
knollen
per maat



weeg **OWG**
+ **BWG** van
hele partij



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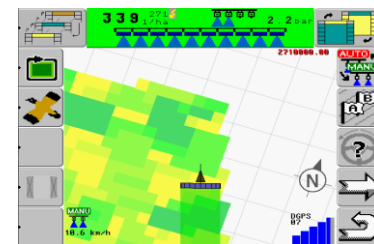
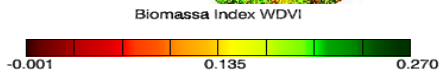
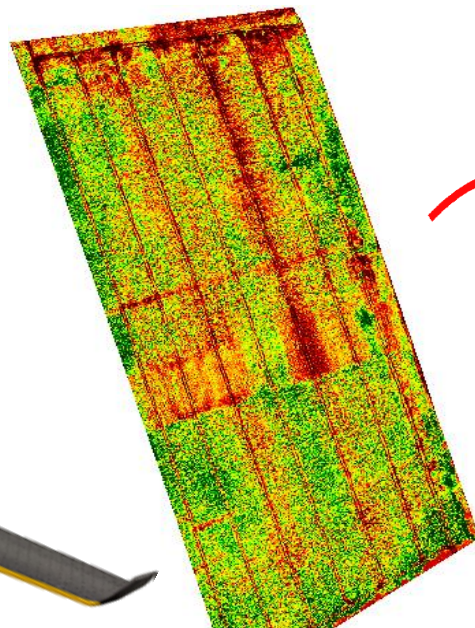
Variable fertilizing

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Variable fertilizing



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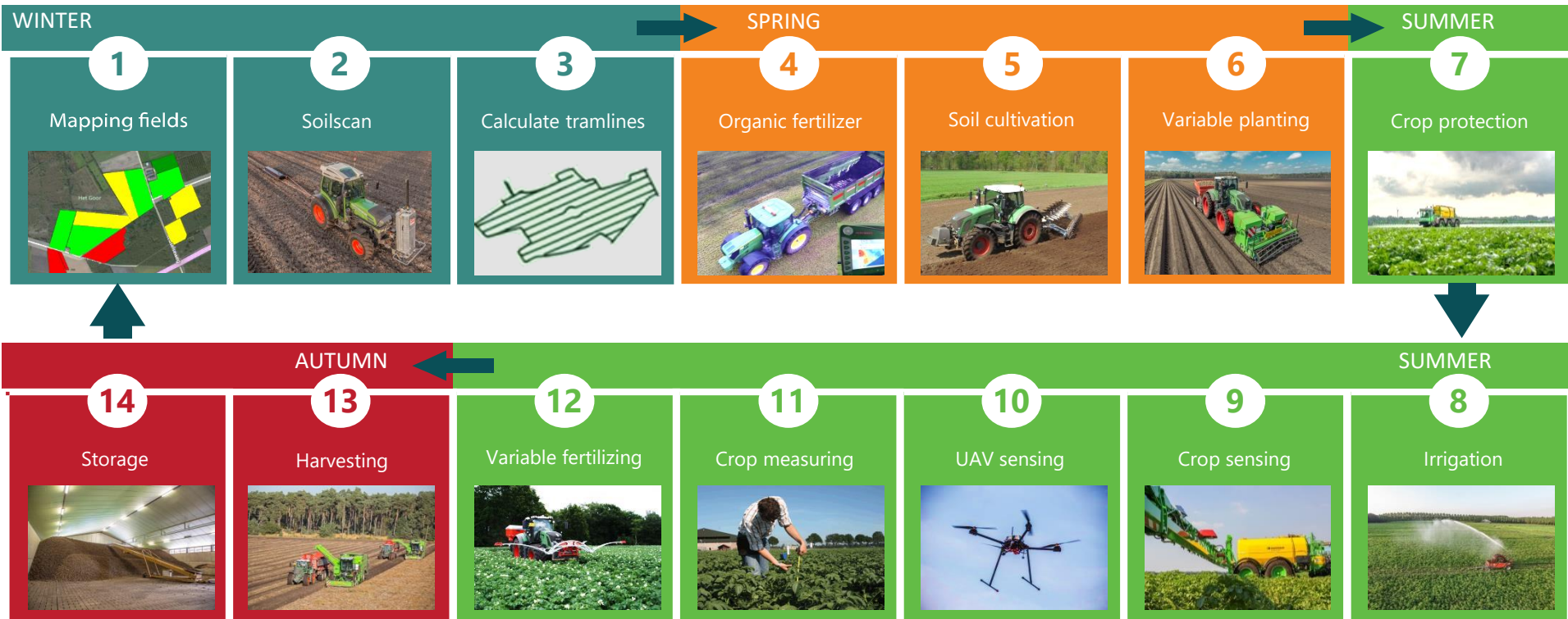
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Precisionfarmingcyclus

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Praktijk Centrum Voor Precisie Landbouw



Time (Interval)

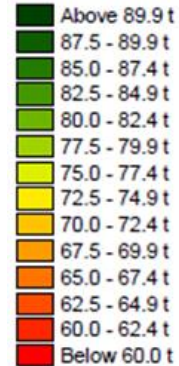


Location (GPS)



Application (VRA)

Proeftuin voor
Precisielandbouw



Crop Level



Zone Level



Field Level



Farm Level



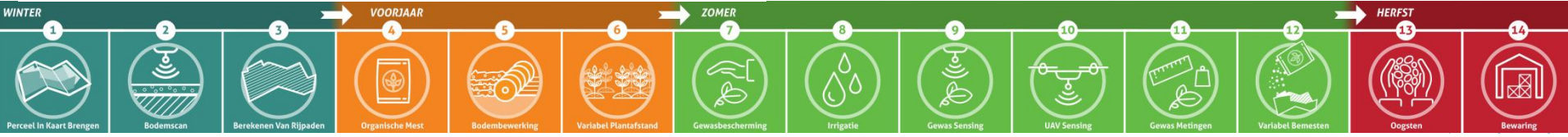
Provincie Noord-Brabant



Ministerie van Economische Zaken

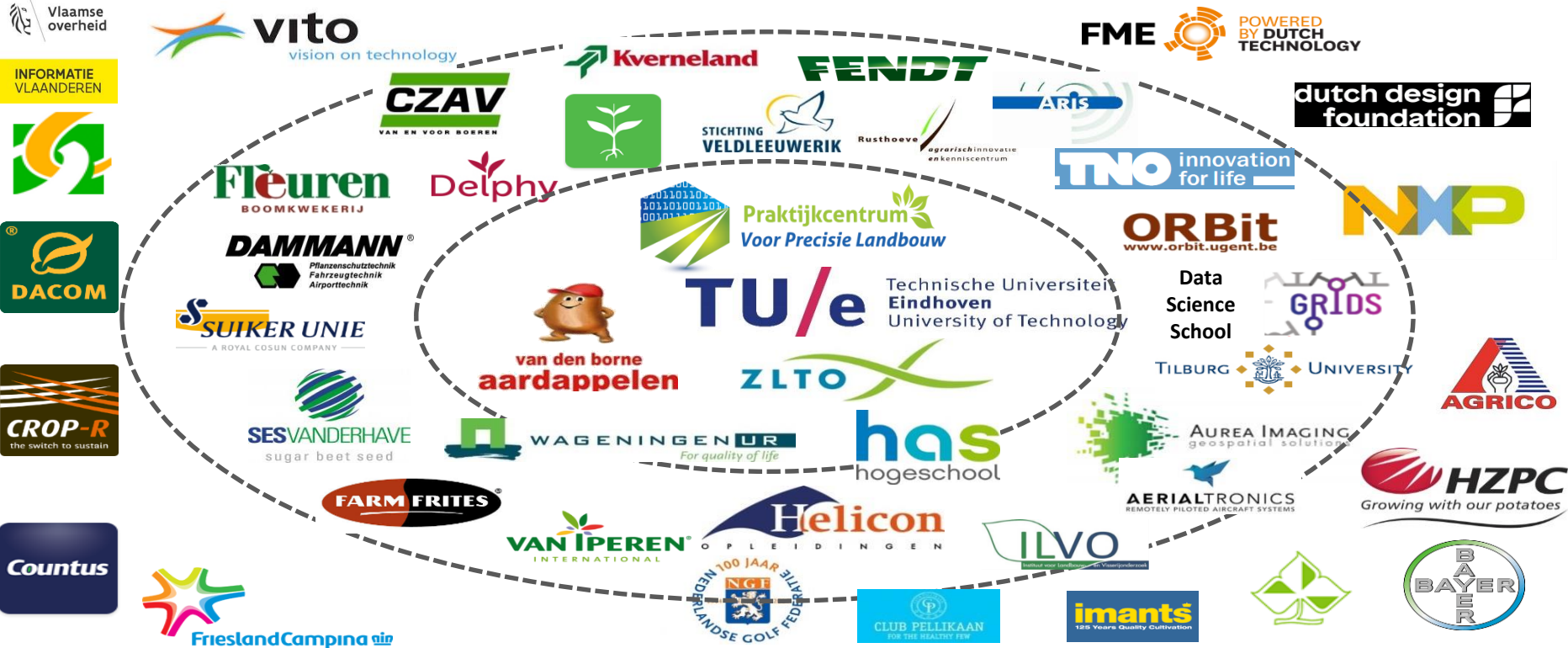


Proeftuin voor Precisielandbouw wordt mede mogelijk gemaakt door bijdragen van het Europees Fonds voor Regionale Ontwikkeling, het Rijk en de provincie Noord-Brabant in het kader van OPZuid.



Precision Farming

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Precision Farming

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Thanks for your attention!



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