

Agrofood in Brabant

Past, Present en Future



Han Swinkels
(senior advisor)

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Over the last 30 years I've been active as a professional and student within the domain of food, biobased and agriculture. I have expertise and an extensive network in the (non) governmental, private sector and research/education environments.

My goal is to play a role in realising common strategic objectives of private and public organisations that aim to strengthen the position of the agro-food and non-food complex, including private farms, in the (inter)national market and society.

Activities in 2018:

- Project leader initiative 'MACE-OOC' aimed at realising a biobased fertilizer production facility (industrial park Elzenburg, Oss) supplied by a cooperation of ca. 190 pig farmers (2017)
- Contribution to view and action plan of Taskforce Manure and Mineral i.o.; Royal Agrifirm Group and

People Also Viewed

Johan van Hal • 1st
Van Hal Group

MS Schippers Pass
MS Schippers

Jos Douven • 2nd
Headhunter and Recruit
Agribusiness, Food and Worldwide
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John van Drunen
DGA at Smits Agro bv

<http://www.stimulus.nl/opzuid/>

OPZUID
Europees Innovatieprogramma Zuid-Nederland

PROGRAMMA INFO NIEUWS AANVRAGEN BEHEREN DOCUMENTEN PROJECTEN FAQ BEVEILIGDE OMGEVING

OPZUID
EUROPEES
INNOVATIEPROGRAMMA
VOOR ZUID-NEDERLAND

European Regional Developments Funds, ERDF

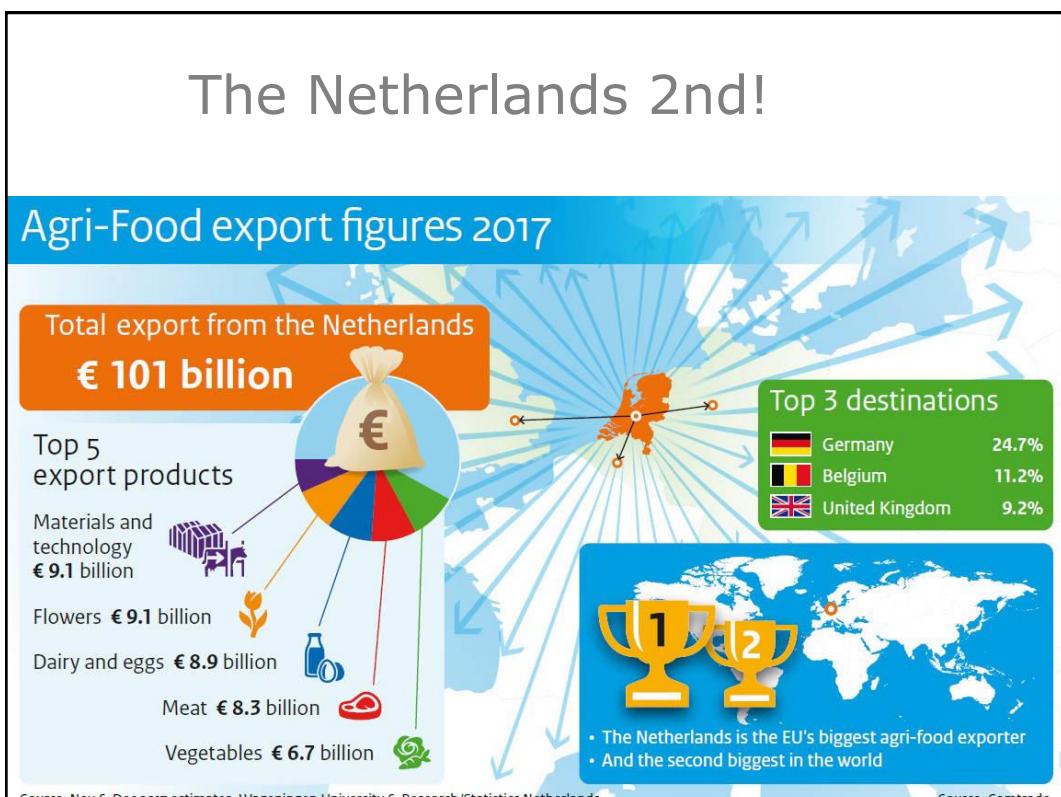
Programma OPZuid 2014-2020

Het Operationeel Programma Zuid-Nederland 2014-2020 (**OPZuid**) is een Europees subsidieprogramma voor de provincies Zeeland, Limburg en Noord-Brabant. Speerpunten zijn innovatiebevordering en de overgang naar een koolstofarme economie. Het programma is met name gericht op het innovatieve MKB en het versterken van de samenwerking tussen bedrijfsleven, kennisinstellingen en overheden.

De Regionale Innovatie Strategie voor Slimme Specialisatie (RIS3), waarin de doelstellingen van Europa zijn vertaald naar regionale maatschappelijke uitdagingen, lag aan de basis van het OPZuid. Voor het speerpunt innovatiebevordering focust het OPZuid zich op crossovers tussen internationale topclusters onderling (high tech systems, chemie, agrofood) en met nationale topclusters met internationale potentie (life sciences & health, biobased, logistiek en maintenance). Voor het speerpunt koolstofarme energie ligt de nadruk op slimme uitrol in de bebouwde omgeving.

Europese Unie
Europees Fonds voor Regionale Ontwikkeling

Agenda





Facts & Figures

100.000 Fte werkgelegenheid
(incl. buitenlandse grondstoffen)

75% agrofoodproductie
bestemd voor buitenland
waarvan **80%** binnen
de EU

12.200 bedrijven in de
primaire sector

BRABANTS AGROFOODCLUSTER

900 bedrijven
in voedings-
en
genotmiddelen-
industrie

17,5% van
totale Nederlandse
toegevoegde waarde
in de agrafood

© Euregio Brabant, Brabants Kenniscentrum, Rijksoverheid, Provincie Noord-Brabant, gemeenten en andere partijen.

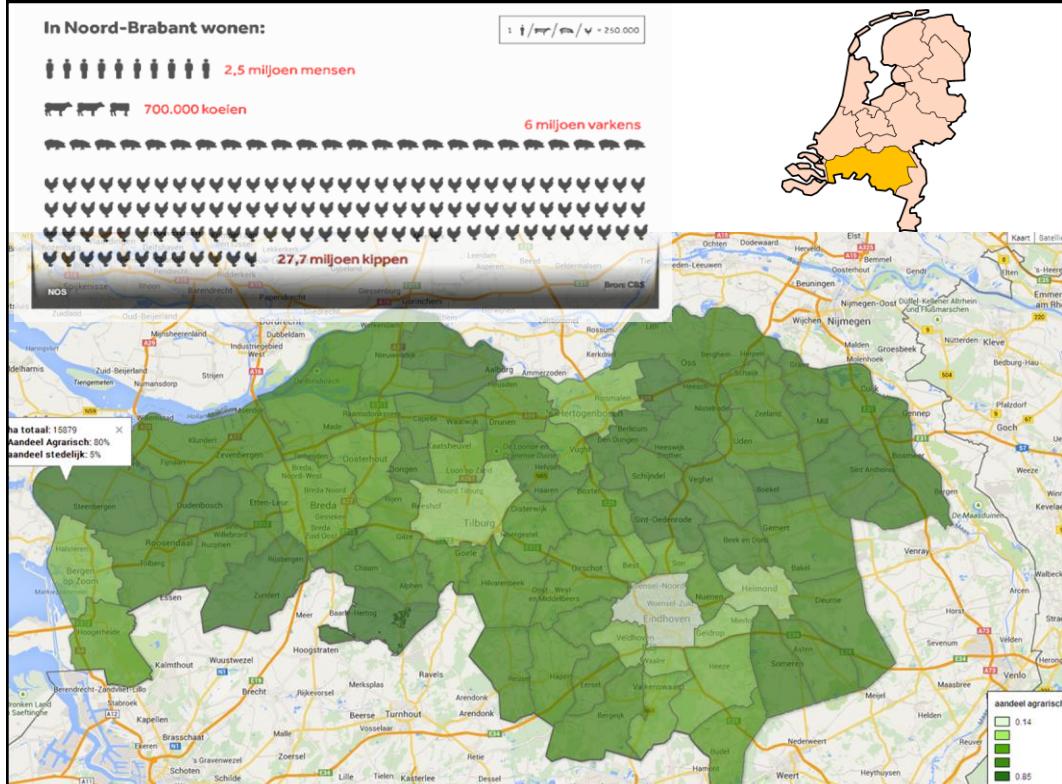
In Noord-Brabant wonen:

2.5 miljoen mensen

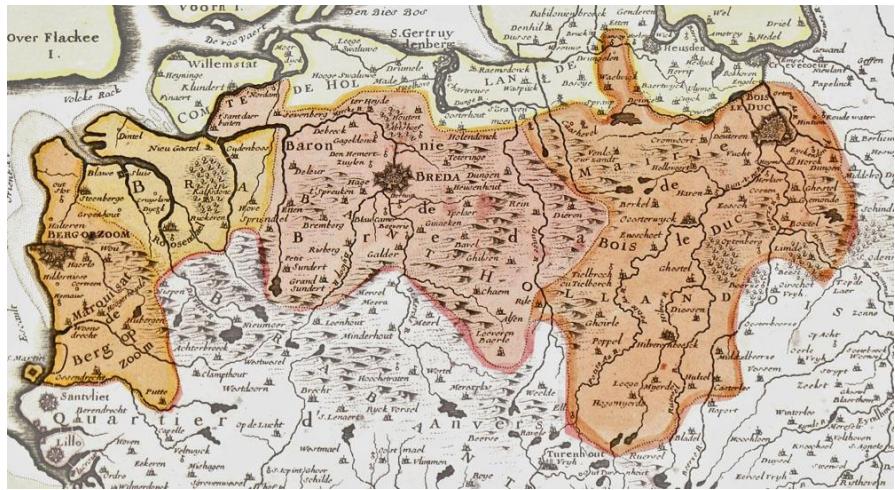
700.000 koeien

6 miljoen varkens

27,7 miljoen kippen



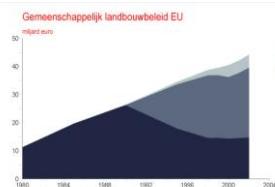
PAST



History agri- and horticulture (1)

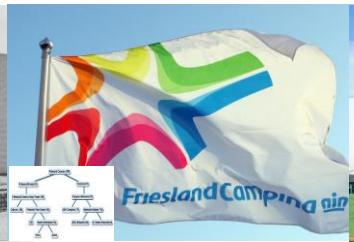
Increase labour productivity

- Family farms
- Knowledge and technology driven (OVO-triangle)
- Common Agriculture Policy



History agri- and horticulture (2)

- Scale
 - Governance such as cooperatives
 - Specialisation within value chains



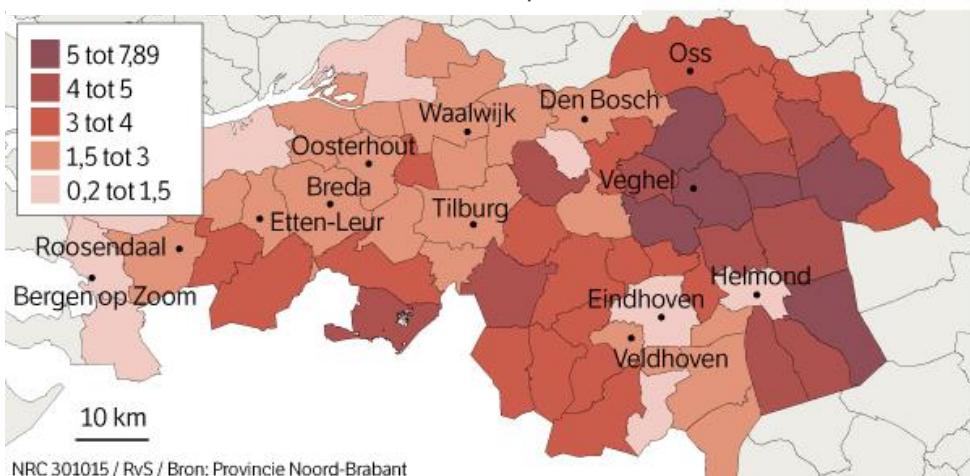
Dutch agri- and horticulture is one of the most productive in the world

Increase in productivity Dutch A.	1960	1985	2010
Wheat (kg/ha)	100	144	210
Potatoes (kg/ha)	100	144	157
Tomatoes(kg/m ²)	100	183	320
Milkproduction/cow/yr	100	127	203
Raised piglets/sow/yr	100	119	179

PRESENT



Number of livestock farms in Brabant per km²



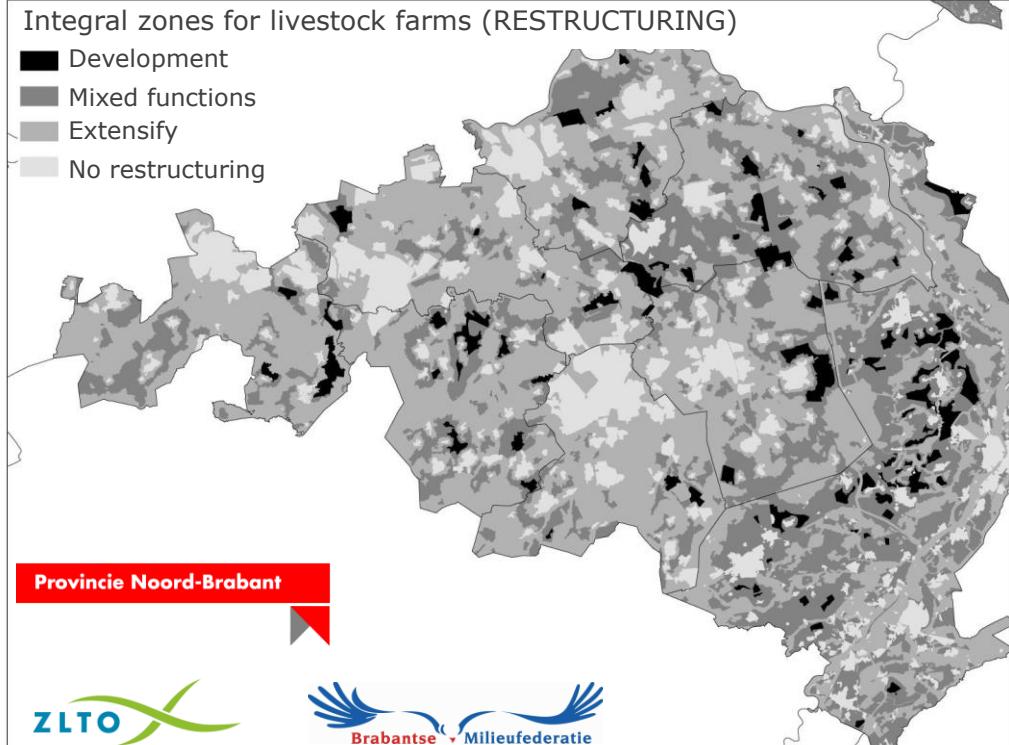
Relationship agriculture and society

- City involvement; 'nearby' and 'far away'
- Pressure on agriculture due to concerns of society with regard to public health, environmental pollution, landscape deterioration, animal welfare, etc.
- Working on new relationship with 'citizen'



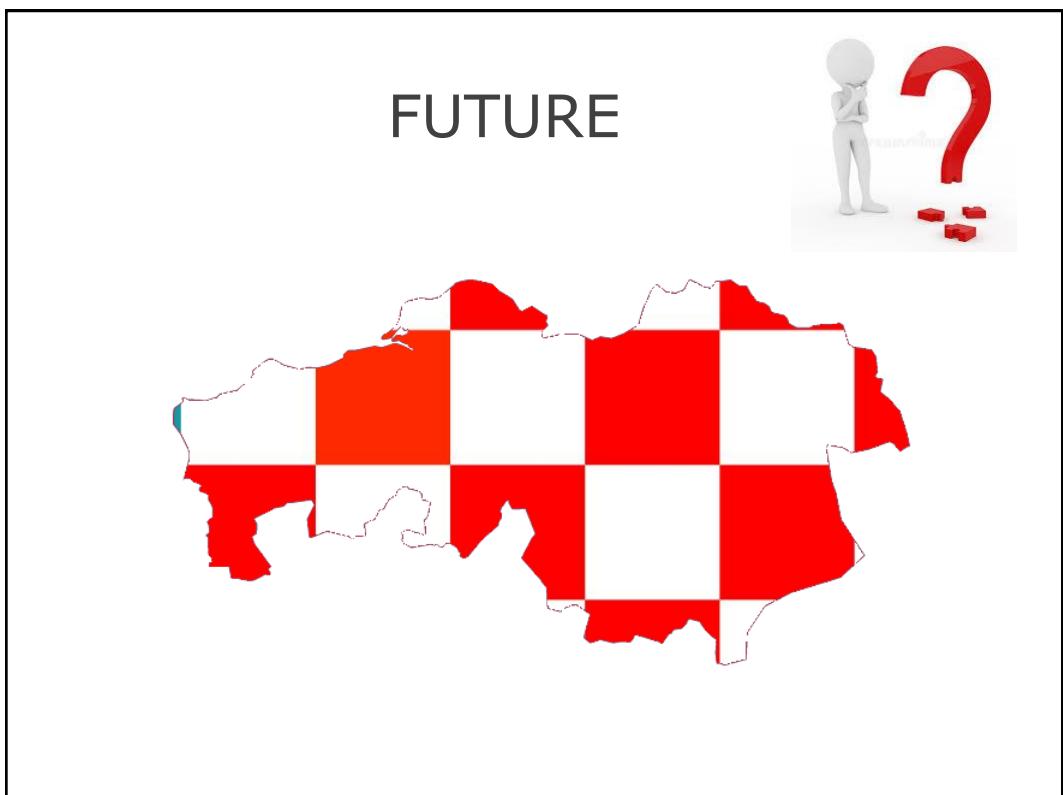
Integral zones for livestock farms (RESTRUCTURING)

- Development
- Mixed functions
- Extensify
- No restructuring



Provincie Noord-Brabant





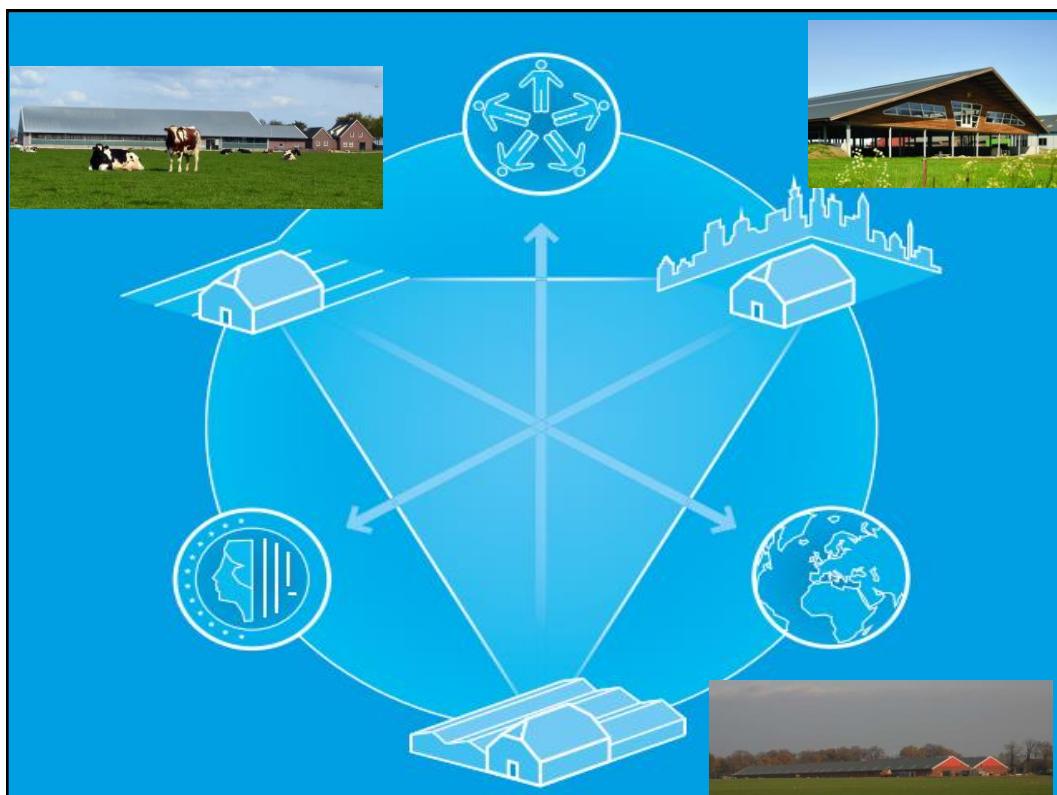
Legislation and Stimulation

Strict regulation for livestock farms

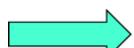
- Building block \leq 1.5 ha
- Emission of ammonia (Natura 2000), odour, fine dust, endotoxins
- Mandatory: Dialogue and BZV-score > 7.0 mandatory

Economic stimulation

- Innovation program Agri&Food
- OP-Zuid, POP-3, etc. (EU-programs)
- "Agrofoodpluim"



MARKET ORIENTATION



nourishing by nature



- 10 procent of economy is agrifood related
- complete agrifood value chain is present
- extensive knowledge and education infrastructure
- strategic location for processing and logistics





Waar de natuurlijke bescherming van dieren ophoudt...
...gaat de Dierenbescherming verder

Meat chicken (Broiler), slow growing broiler (Start in 2005: 6 farmers, 200.000 => Now: 5.000.000)

Improvements:

- Live longer (40%)
- More space per animal
- More robust chicken
- Not only indoors, covered outlet



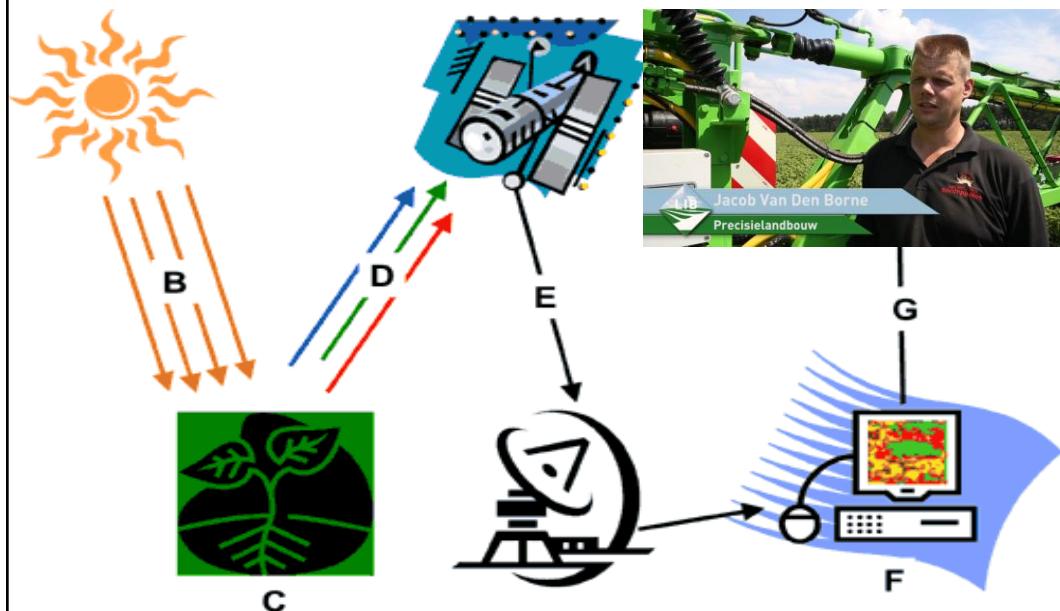
Results:

- Loss of animals (1% vs. 4,2%)
- More active animals
- Less use of antibiotics
- Better price in retail
- Enthusiastic farmers





REMOTE SENSING, SMART FARMING





GREEN DEAL

- Experiment
- Period of one year
- Research with:
 - Wageningen University
 - Copernicus (UU)
 - Louis Bolk
 - HAS Applied University
- Proposals to alter legislation





"100 years after 1917. A new design, a new prospect for our country. Brabant is eager to join. the struggle for a sustainable and vital agri&food cluster, because healthy and sufficient food remains an essential theme (in Brabant policy).

New Years speech "Public concerns and emotions need to be addressed on the table of democracy", Wim van de Donk, 19 Jan'17.