

# Agrofood in Brabant

Past, Present en Future



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ss://www.stimulus.nl/opzuid/

**OPZuid**  
Europees innovatieprogramma Zuid-Nederland

PROGRAMMA INFO   NIEUWS   AANVRAGEN   BEHEREN   DOCUMENTEN   PROJECTEN   FAQ   BEVEILIGDE OMGE

**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 innovatiebeoordering 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

# The Netherlands 2nd!

## Agri-Food export figures 2017

**Total export from the Netherlands  
€ 101 billion**

**Top 5 export products**

- Materials and technology € 9.1 billion
- Flowers € 9.1 billion
- Dairy and eggs € 8.9 billion
- Meat € 8.3 billion
- Vegetables € 6.7 billion

**Top 3 destinations**

	Germany	24.7%
	Belgium	11.2%
	United Kingdom	9.2%

**1 2**

- The Netherlands is the EU's biggest agri-food exporter
- And the second biggest in the world

Source: Nov & Dec 2017 estimates, Wageningen University & Research/Statistics Netherlands      Source: Comtrade



# Facts & Figures

**100.000** Fte werkgelegenheid  
(incl. buitenlandse grondstoffen)

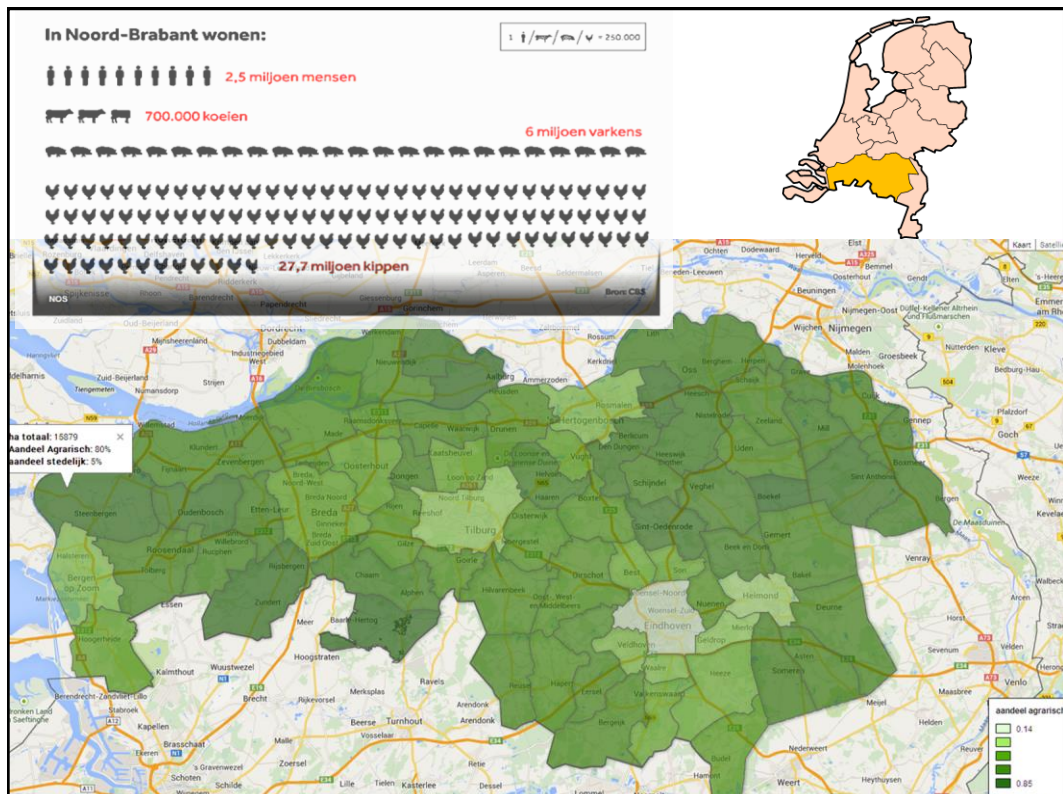
**12.200** bedrijven in de  
primaire sector

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



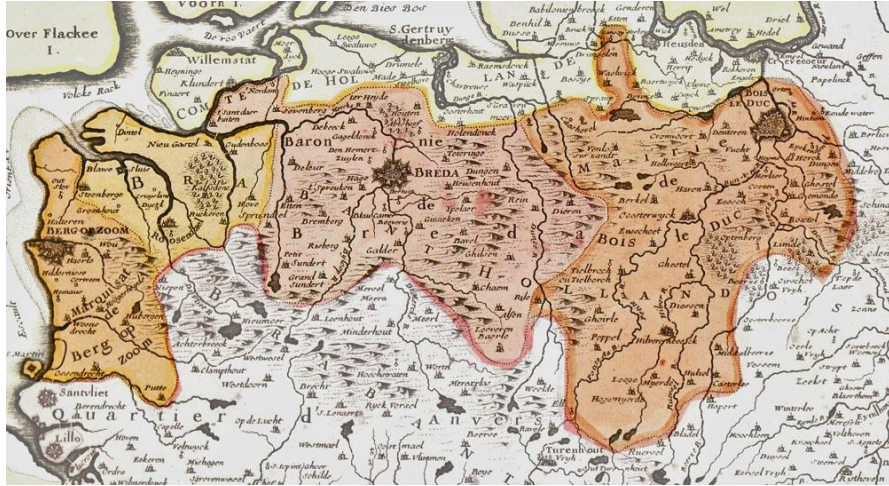
**900** bedrijven  
in voedings- en  
genotmiddelen-  
industrie

**17,5%** van  
totale Nederlandse  
toegevoegde waarde  
in de agrofood





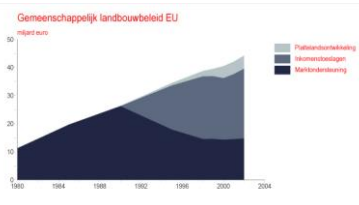
# PAST



## 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



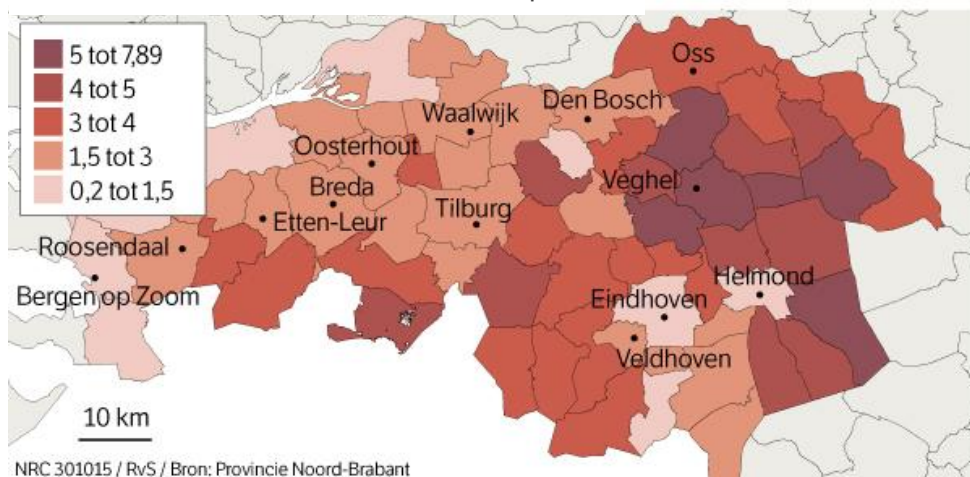
Dutch agri- and horticulture is one of the most productive in the world

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

## PRESENT



Number of livestock farms in Brabant per km<sup>2</sup>





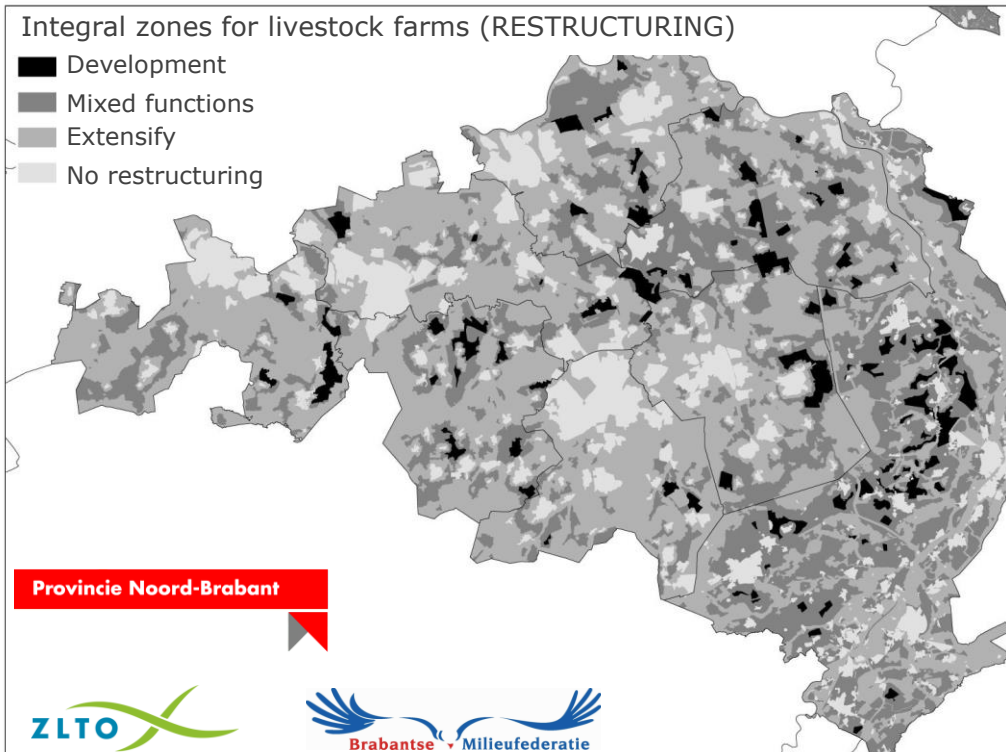
## Relationship agriculture and society

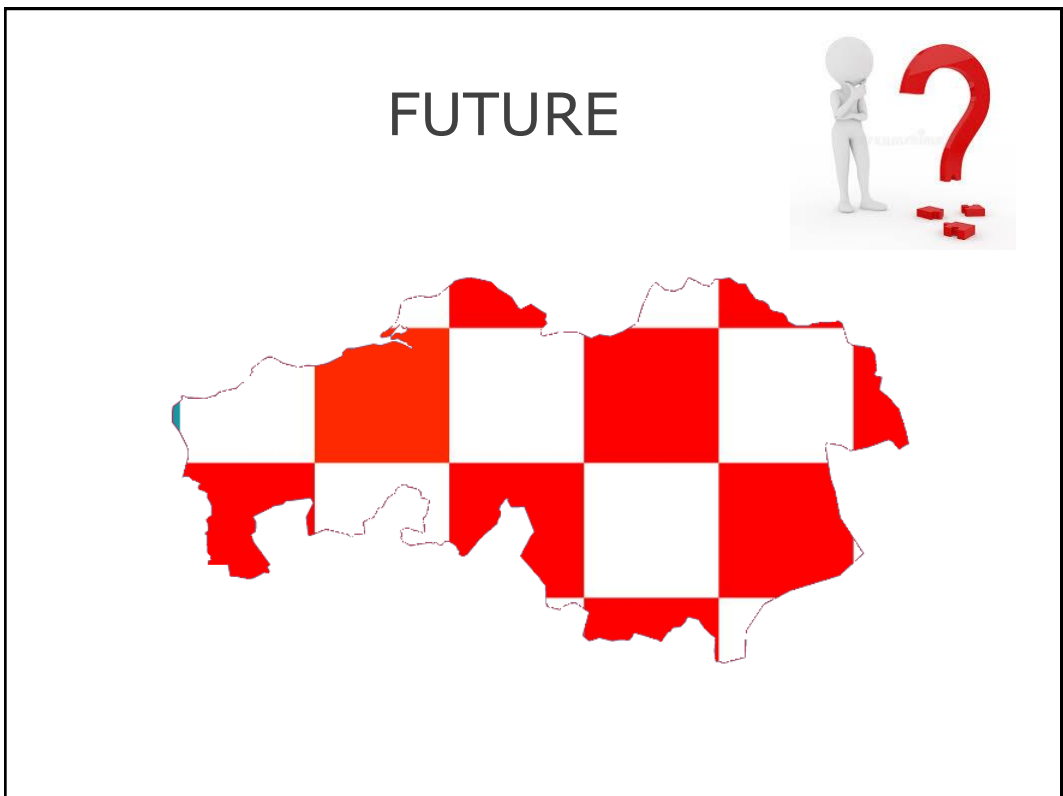
- City involvement; 'nearby' and 'far away'
- Pressure on agriculture due to concerns of society with regard to public health, environmental pollution, landscape deterioration, animal welfare, etc.
- Working on new relationship with 'citizen'



### Integral zones for livestock farms (RESTRUCTURING)

- Development
- Mixed functions
- Extensify
- No restructuring







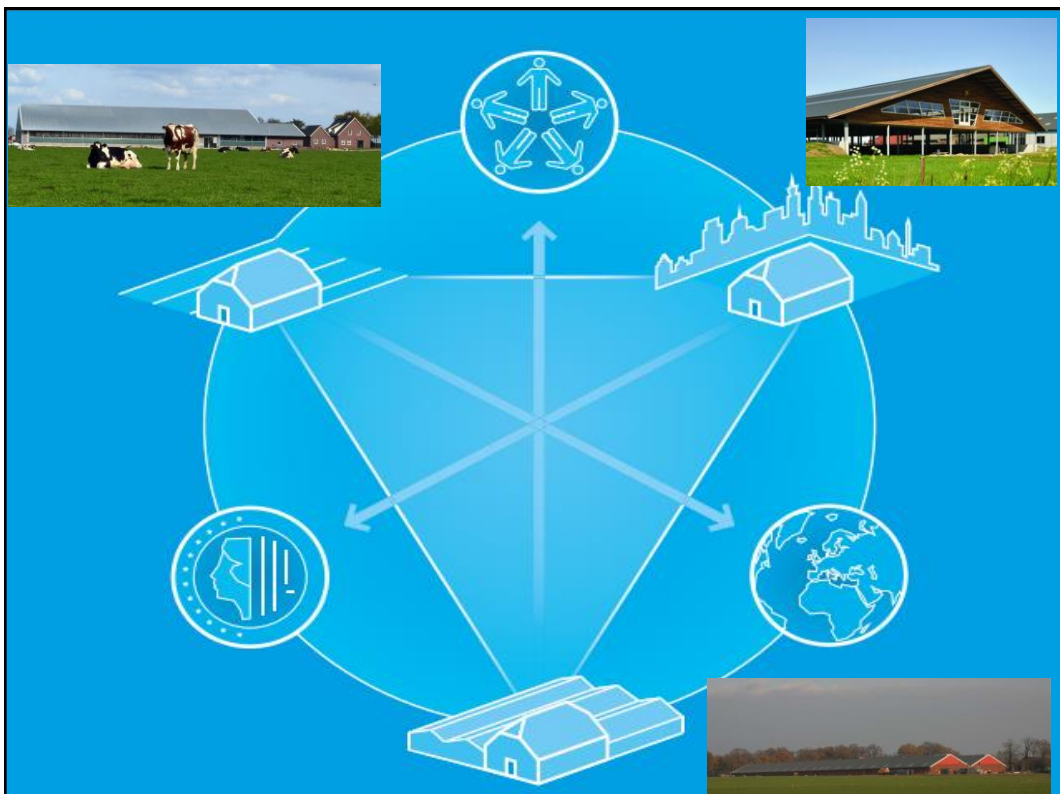
# Legislation and Stimulation

## Strict regulation for livestock farms

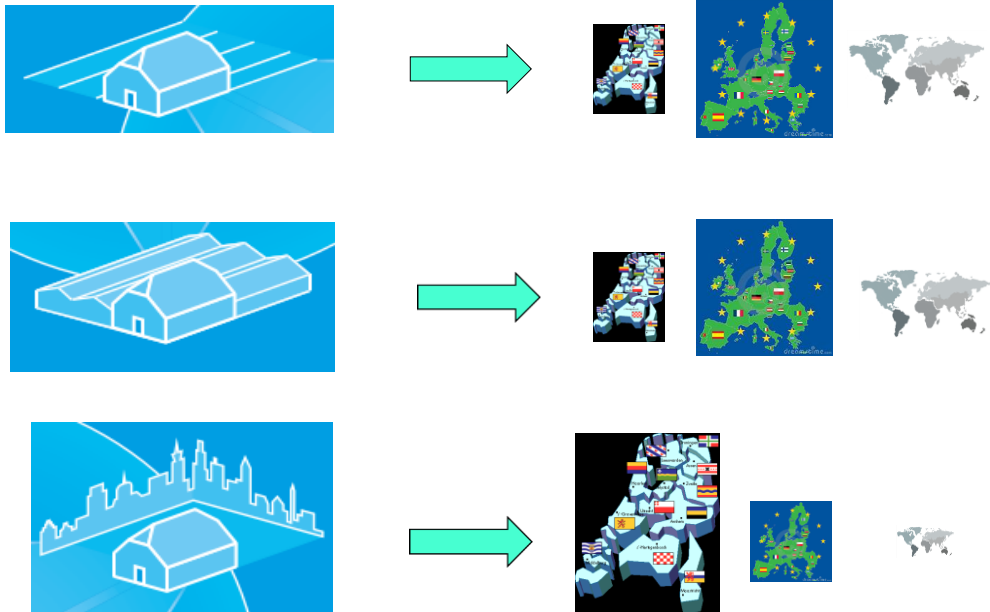
- Building block  $\leq 1.5$  ha
- Emission of ammonia (Natura 2000), odour, fine dust, endotoxins
- Mandatory: Dialogue and BZV-score  $> 7.0$  mandatory

## Economic stimulation

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



## MARKET ORIENTATION



- 10 percent 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:

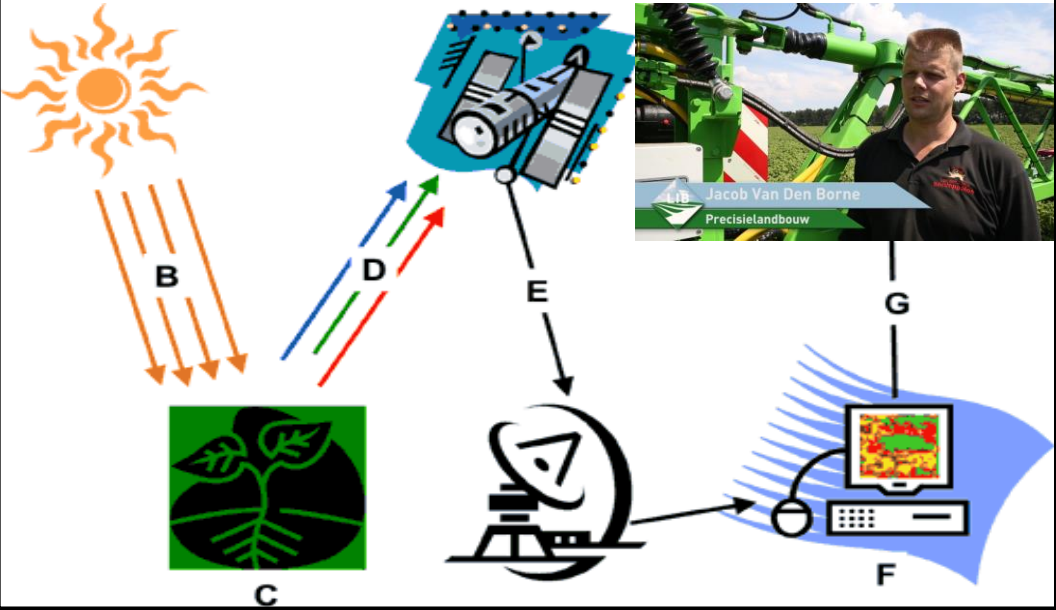
- Loss of animals (1% vs. 4,2%)
- More active animals
- Less use of antibiotics
- Better price in retail
- Enthusiastic farmers





V D BORNE  
AARDAPPELEN

# 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.