



Ministry of Agriculture,
Nature and Food Quality



Agriculture in the Netherlands:

The drive for circularity

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Dutch Agriculture explained:

**Holland: the size of Kyushu, the agriculture of Hokkaido.
Highly competitive in dairy, potatoes, glass house
horticulture, flowerbulbs, poultry, pigs.**

**Part of EU, working in internationally competitive
environment, looking for labor saving technologies, dealing
with demanding consumers.**

1,2 mln ha of grassland

0,5 mln ha of arable crops

0,1 mln ha of vegetables, fruits and bulbs

**Only 9000 ha of glass house horticulture, representing one
third of the gross production value**

Bilateral Working Group with Japan

Holland goes Hokkaido - Agricultural Mission 2018

October 15, 2018





Holland Agriculture strong in Innovation based on Clustering (in accordance with Porter model):

- **Geographic concentration of companies, presence of related and supporting industries, rich diversity within a specialized sector, offers an optimal structure.**
- **Companies learn from each other because they understand each other but differ enough. They enter into relationships, built on trust.**
- **Greenports: seed companies, trade, logistics, production, education, research; proximity to urban centers**
- **Presence other agricultural sectors also helps, eg via biogas valorization or residual flows**

Pillar 1 of Dutch horticulture success:

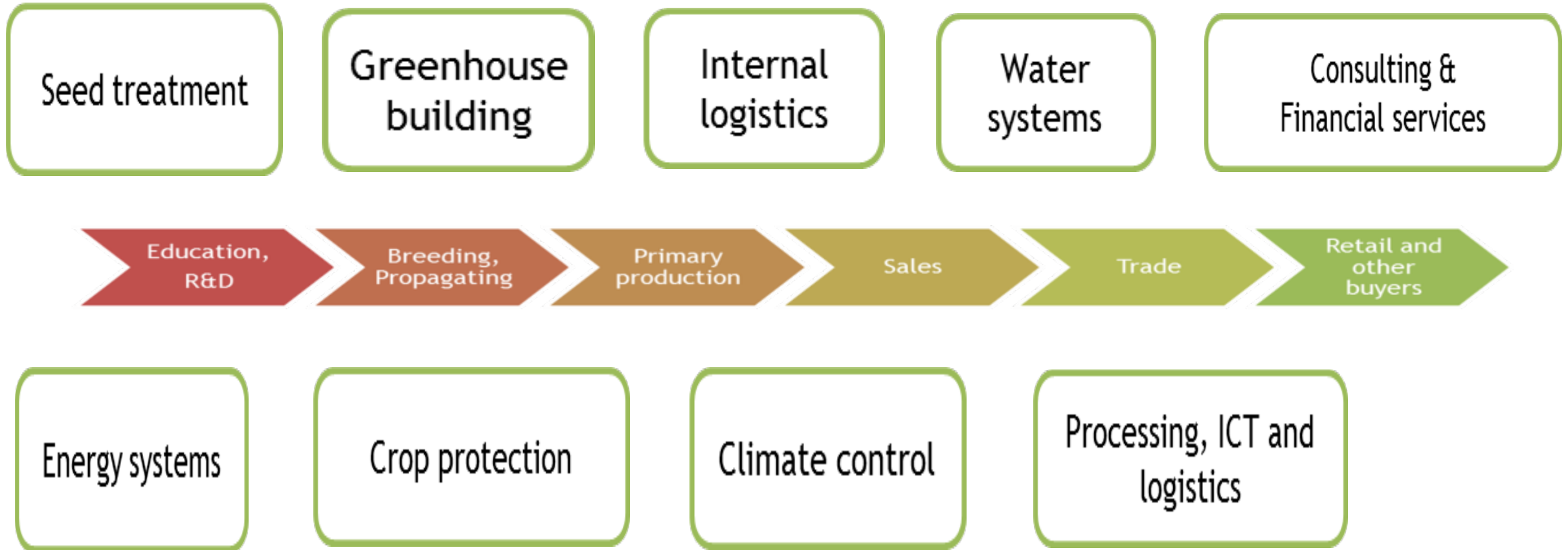


**Strategic location towards huge urban centers,
Trust & sectorial interaction, below sea level, fertile soils**





Cluster of expertise representing all parts of supply chain drives innovation



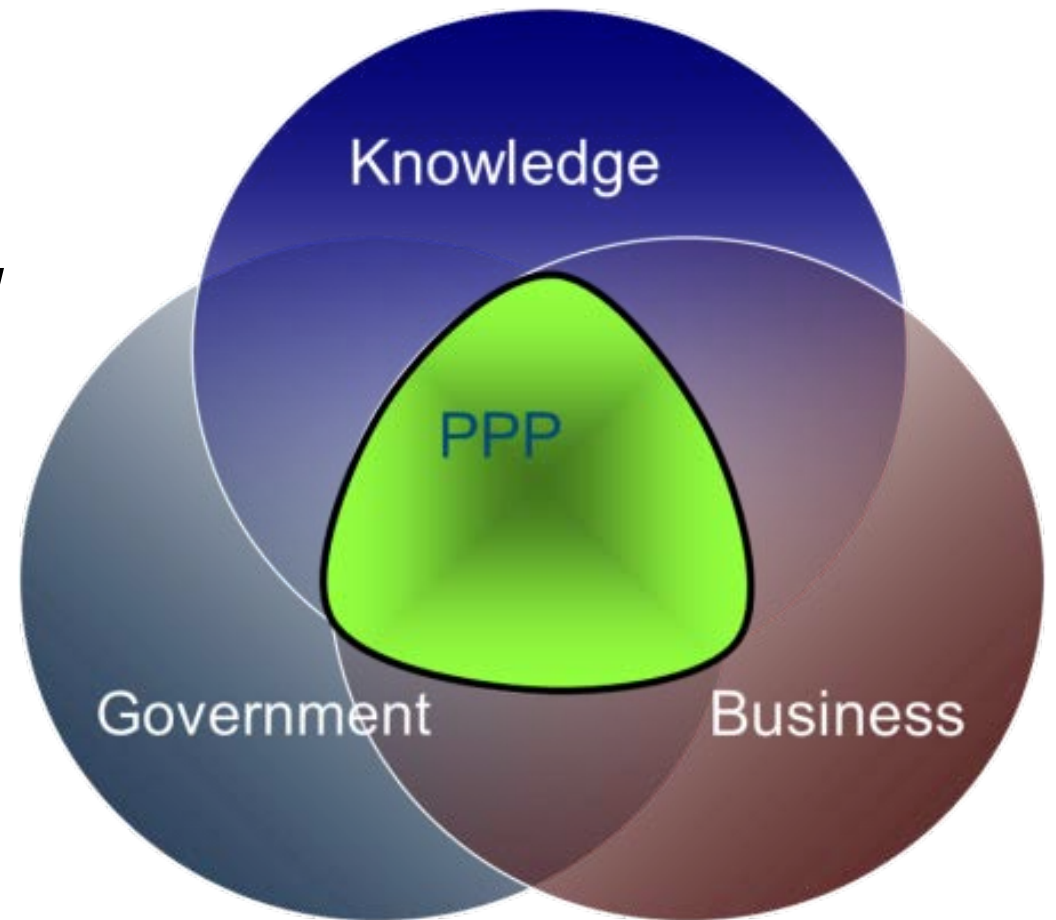


PILLAR FOR INNOVATION II:

Collaboration between Government, private sector, research institutions, on national, regional and local level. Public Private Partnerships (PPP)

Originates from traditional cooperation in education, research and education, but now also creates frameworks for innovation.

Co-financing model too!





High level of training:

- Education of farmers & support services;
- Wageningen University world renowned;
- Vocational Training equally important!

We need to make farming attractive for young people. No farmers, no food!

Characteristic of Dutch farming:
Proximity of farming activities to cities, the need to
acquire a civil license to produce;
→ Results in constant innovation and sustainability drive





ANIMAL HUSBANDRY IN THE NETHERLANDS:

1.6 MLN COWS

12 MLN PIGS

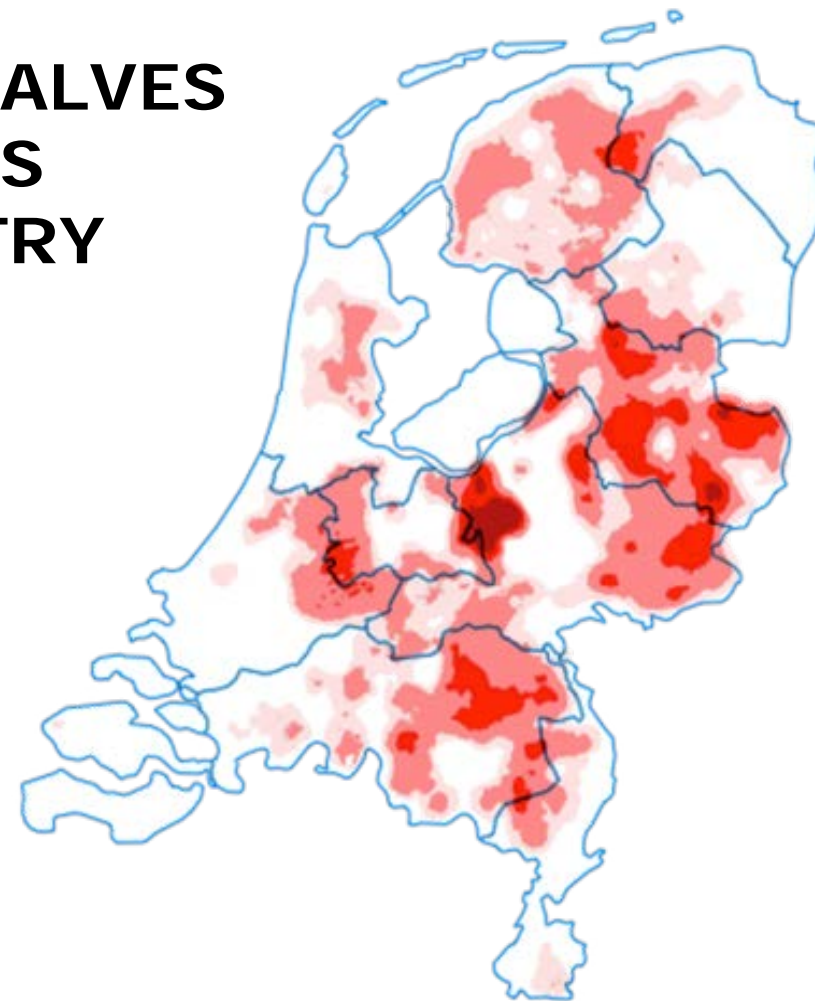
1.5 MLN SHEEP & GOATS

900,000 VEAL CALVES

500,000 HORSES

100 MLN POULTRY

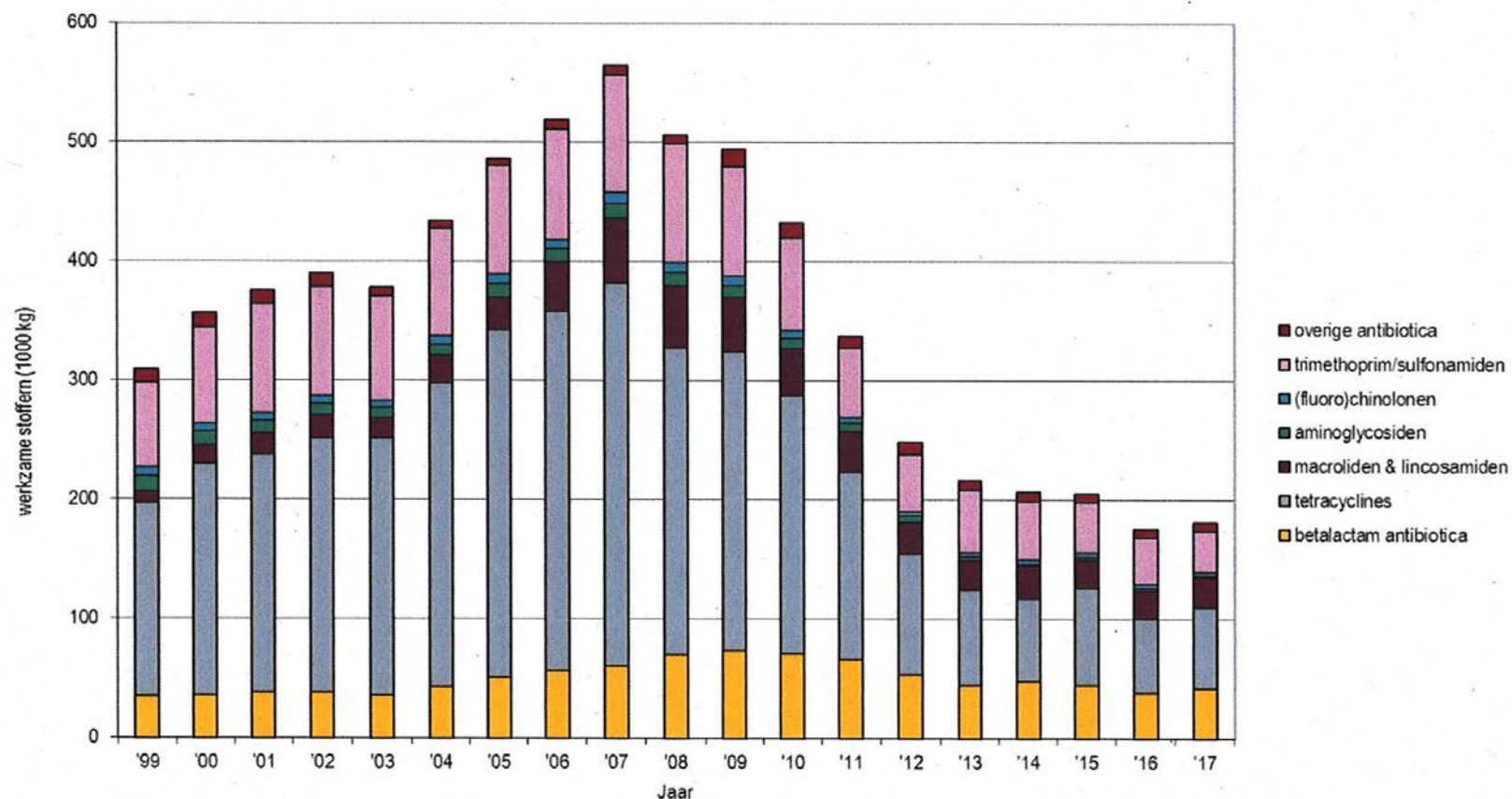
17 MLN PEOPLE, many near farms





Sales of antimicrobial pharmaproducts in animal husbandry, in kg active ingredient

Figuur 3. Verloop van de verkoopcijfers van antimicrobiële middelen, uitgedrukt in aantal kilogrammen actieve stoffen (x 1.000) van 1999 tot en met 2017 (bron FIDIN) naar hoofdcategorie





Futureproof Agriculture is circular:

- Reduction of Emissions CO2-equivalents;
- Use of less raw materials;
- Reduce food 'waste' (=inputs elsewhere);
- Improve farmers' income;
- Make consumers aware where food comes from;
- Agriculture nature-based

More focus on export of sustainably produced healthy, safe, unique food products

More focus on export of knowledge & technology





Japan and the Netherlands have had excellent relations for more than 400 years and we hope to cooperate closely in the future, for a sustainable and competitive food production and for the farmers benefit. Thank your for your attention!

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