



Ministry of Agriculture, Nature and Food Quality

INNOVATING AGRICULTURE How Malaysia could become a high tech agriculture hub



'the Netherlands, second largest agricultural exporter in the world'



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Dutch agriculture:



4,2 mln ha landmass 1,0 mln ha of grassland 0,5 mln ha of arable crops 0,1 mln ha of vegetables, fruits and bulbs

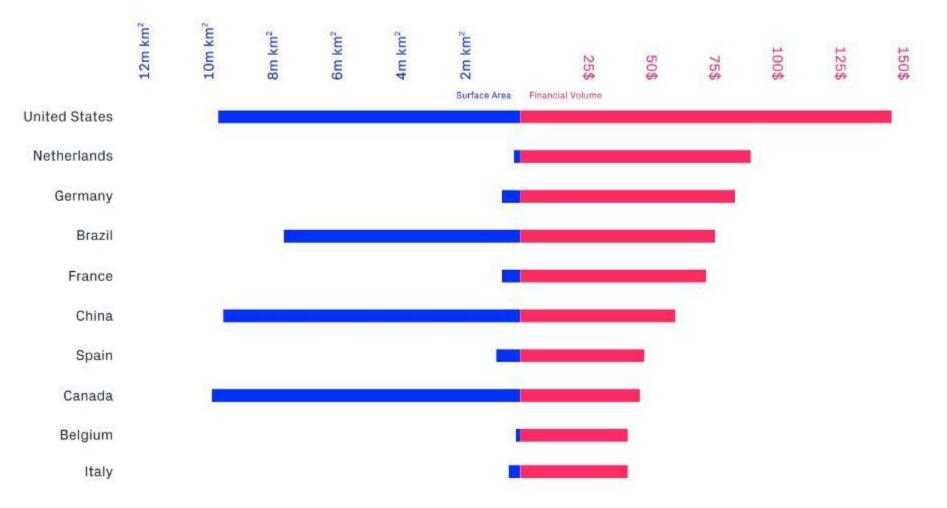
Highly competitive in dairy, potatoes, pork, glass house horticulture, flowerbulbs, poultry; Mostly sectors without heavy EU regulation

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





THE LARGEST FOOD PRODUCERS







PILLAR 1 OF SUCCESS:

OPEN ECONOMY, STRATEGIC URBANIZED LOCATION:

- rich markets nearby
- imports contribute to exports
- superior logistics





Already in the 17th century more than half of the Dutch population lived in cities. **Dutch farmers** were producing for the market early



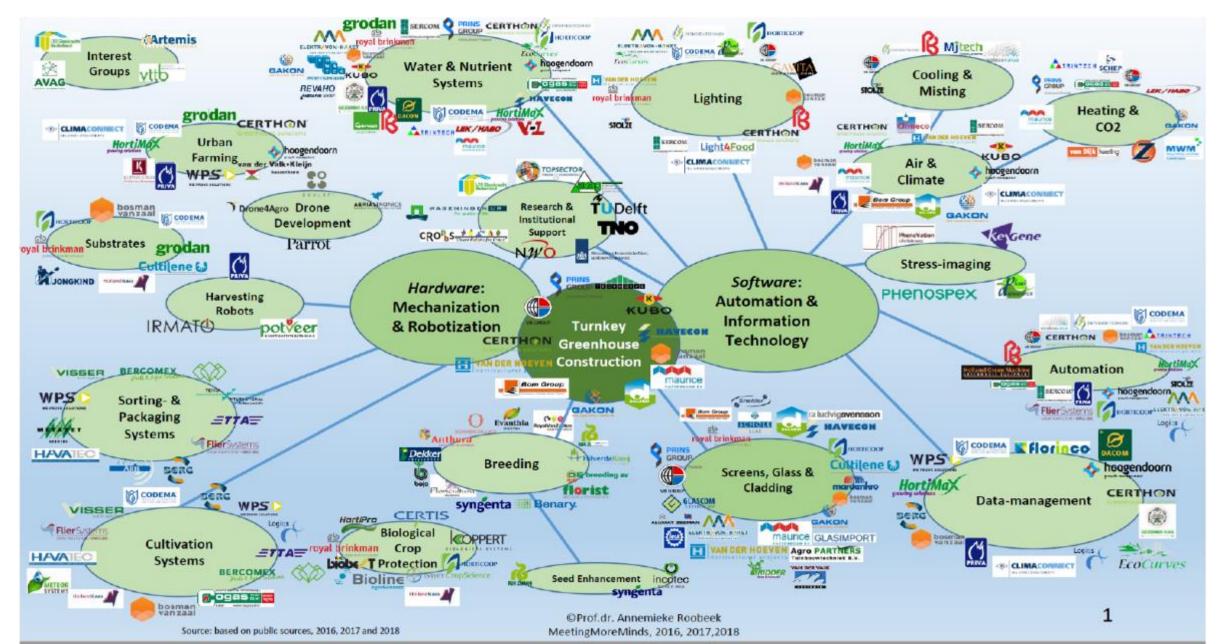
Pillar 2 of success:

Trust & sectorial interaction, my neighbour is not my competitor



TODAY'S ECOSYSTEM





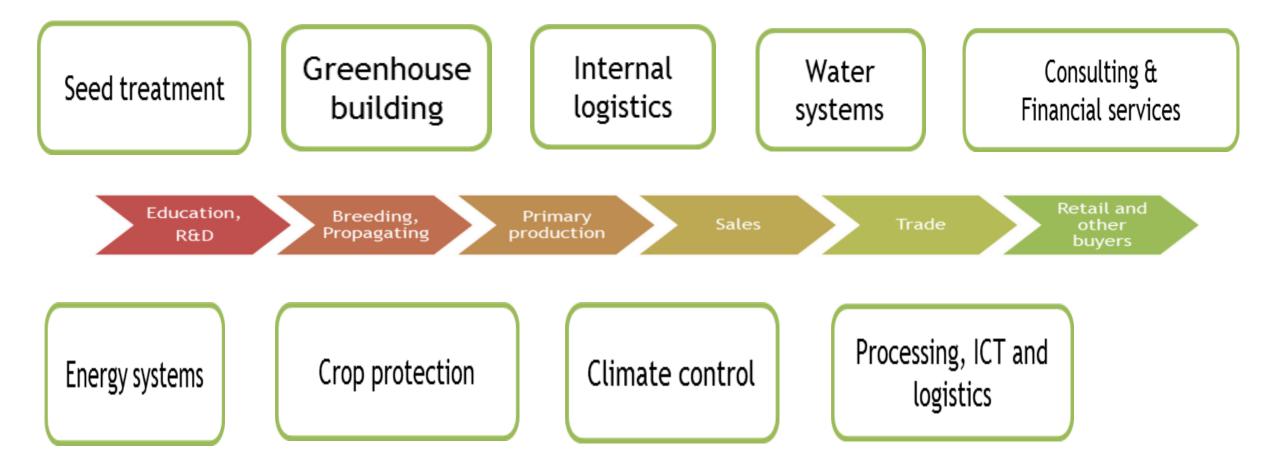


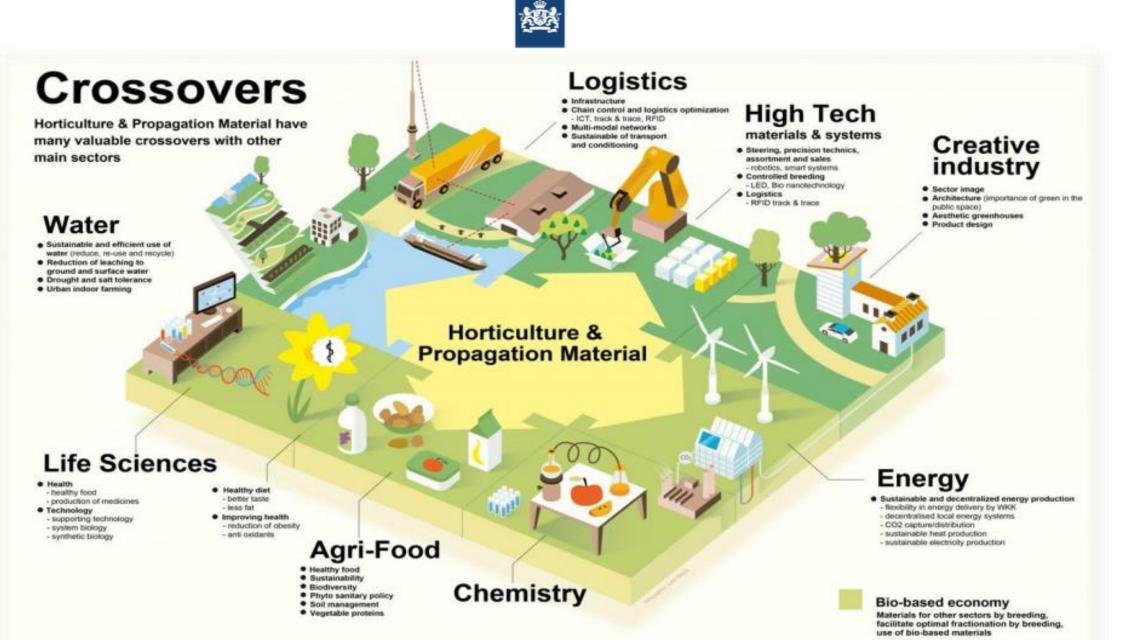
Holland Agriculture strong in Innovation based on Clustering (Porter model):

- 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



Clusters of expertise representing all parts of supply chain drives innovation





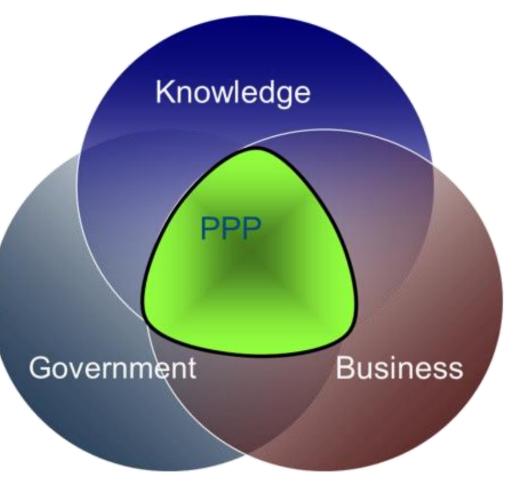


PILLAR of Success III:

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

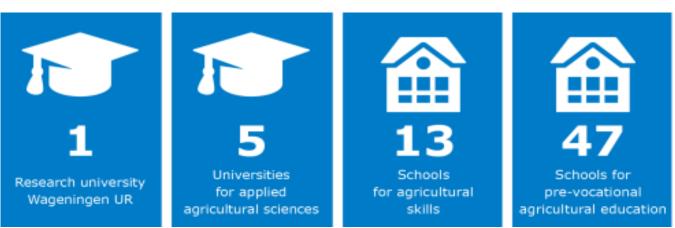
Originates from traditional cooperation in education, research and education, but now also creates frameworks for innovation.

Co-financing model too!









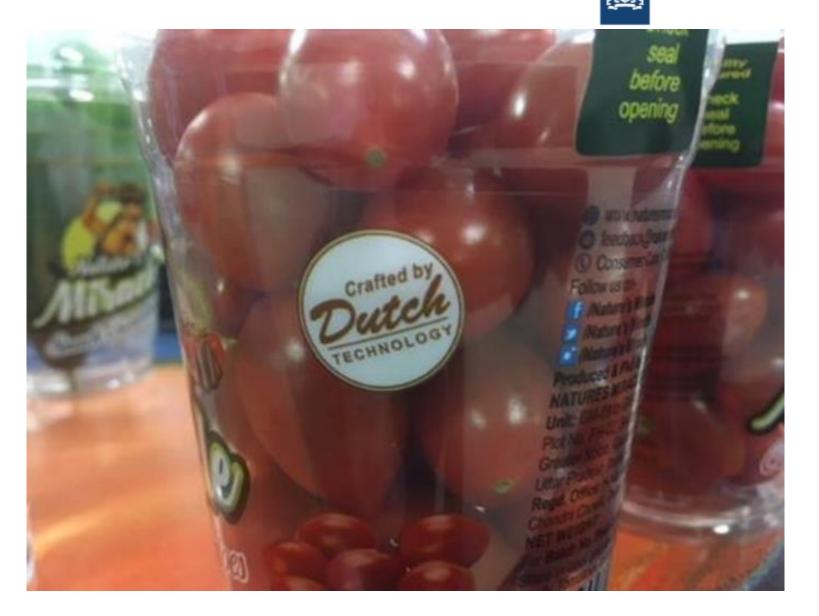
High level of training:

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

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

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





Innovating Agriculture - AGMY & NL September 9, 2020 It is not our ambition to export tomatoes to the whole world.

International cooperation is crucial for the sustained success!

Thank you! f.l.m.vossenaar@minlnv.nl