



TOPSECTOR
HORTICULTURE & STARTING MATERIALS



Workshop financiering opkomende markten en ontwikkelingslanden

15 januari 2015



TOPSECTOR
HORTICULTURE & STARTING MATERIALS



The Greenport Chain

Seed treatment

Greenhouse building

Internal logistics

Water systems

Consulting & Financial services

Education, R&D

Breeding, Propagating

Primary production

Sales

Trade

Retail and other buyers

Energy systems

Crop protection

Climate control

Processing, ICT and logistics



6 Greenports in Nederland

Greenport Noord-
Holland Noord



Greenport Duin
en Bollenstreek



Greenport
Westland-Oostland



Greenport
Aalsmeer



Greenport
Boskoop



Greenport
Venlo

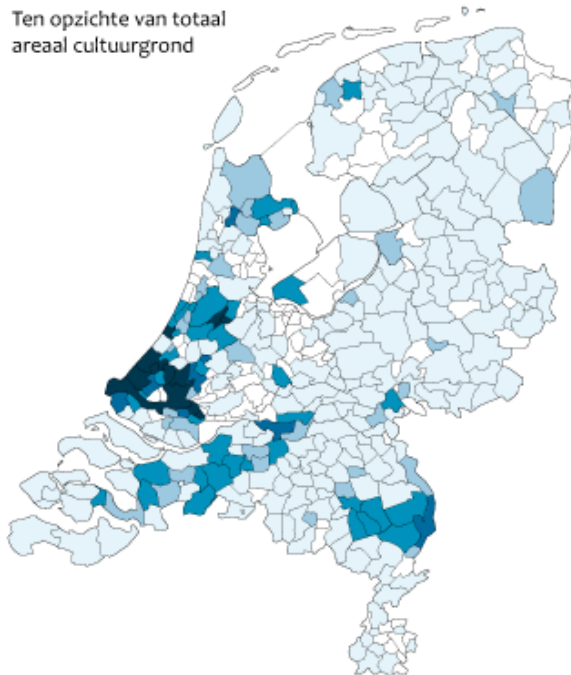




Het belang van clustering

Areaal glastuinbouwbedrijven per gemeente, 2013

Ten opzichte van totaal
areaal cultuurgrond



Bron: CBS.

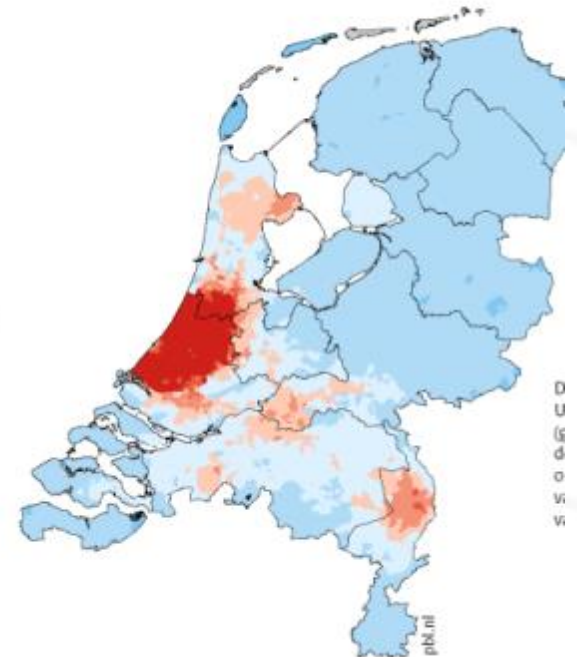
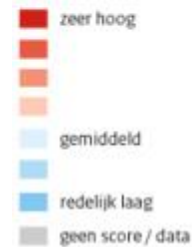
Aandeel van cultuurgrond in %



De massa van de Topsector Tuinbouw en Uitgangsmaterialen in de regio

Indicator: 11n

score



Bron: CBS ABR, 2010

CBS/sep14
www.clo.nl/ml212305



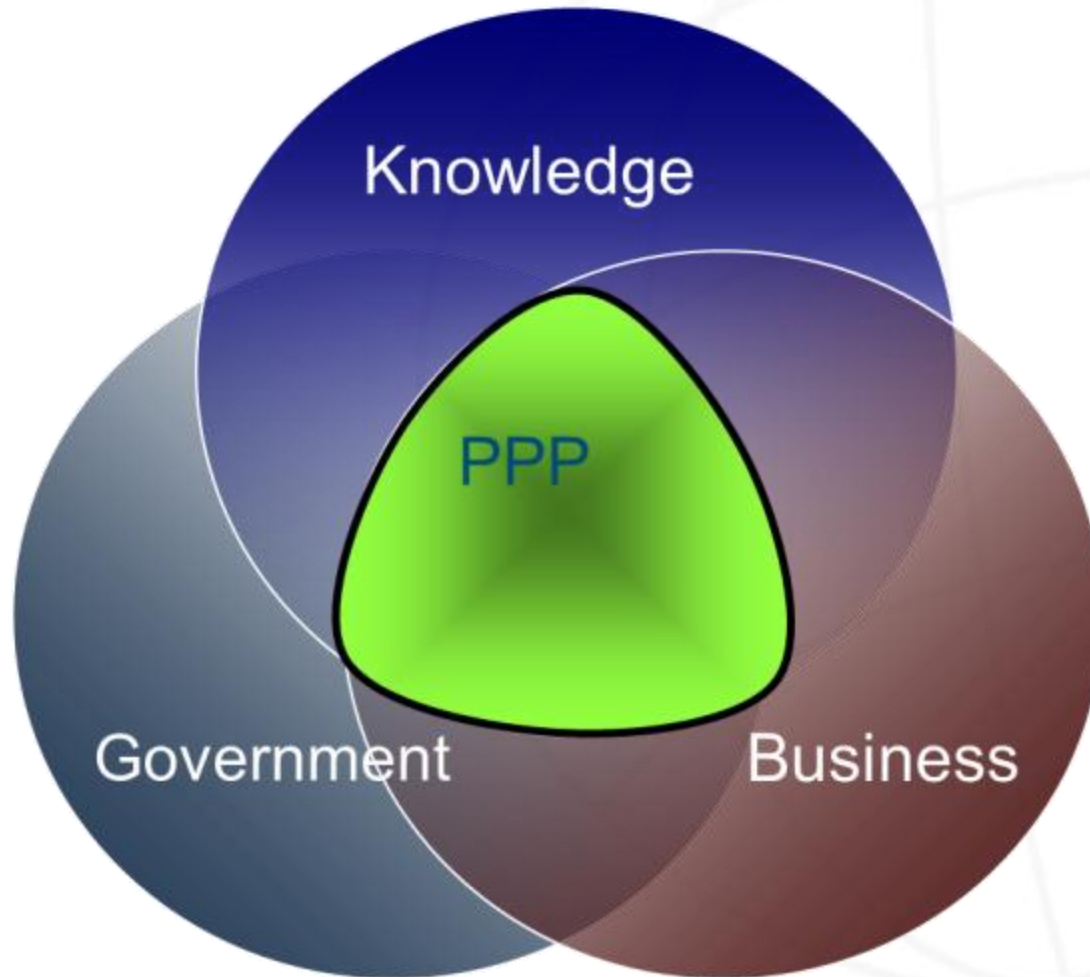
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Samenwerken in de gouden driehoek





9 Topsectoren in Nederland

Crossovers

Horticulture & Propagation Material have many valuable crossovers with other main sectors

Water

- Sustainable and efficient use of water (reduce, re-use and recycle)
- Reduction of leaching to ground and surface water
- Drought and salt tolerance
- Urban indoor farming

Life Sciences

- Health
 - healthy food
 - production of medicines
- Technology
 - supporting technology
 - system biology
 - synthetic biology

- Healthy diet
 - better taste
 - less fat
- Improving health
 - reduction of obesity
 - anti oxidants

Agri-Food

- Healthy food
- Sustainability
- Biodiversity
- Phyto sanitary policy
- Soil management
- Vegetable proteins

Chemistry

Logistics

- Infrastructure
- Chain control and logistics optimization
 - IGT, track & trace, RFID
- Multi-modal networks
- Sustainable of transport and conditioning

High Tech materials & systems

- Steering, precision technics, assortment and sales
 - robotics, smart systems
- Controlled breeding
 - LED, Bio nanotechnology
- Logistics
 - RFID track & trace

Creative industry

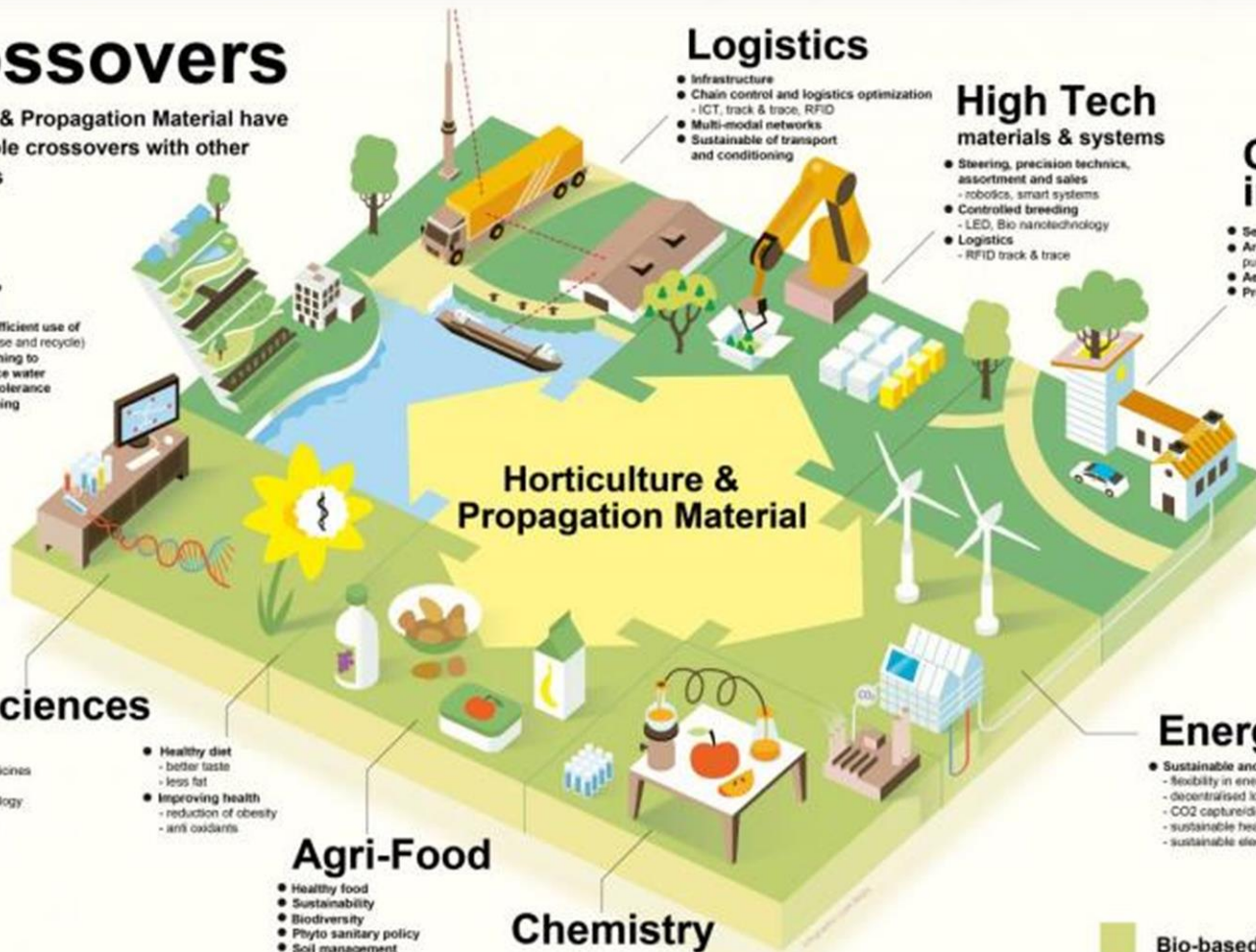
- Sector image
- Architecture (importance of green in the public space)
- Aesthetic greenhouses
- Product design

Energy

- Sustainable and decentralized energy production
 - flexibility in energy delivery by WKK
 - decentralised local energy systems
 - CO2 capture/distribution
 - sustainable heat production
 - sustainable electricity production

Bio-based economy

Materials for other sectors by breeding, facilitate optimal fractionation by breeding, use of bio-based materials





TOPSECTOR
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Topteam Tuinbouw & Uitgangsmaterialen



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Chairman
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Holland



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Affairs



www.topsectortu.nl



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Beleidsadvies



Juni 2011

Uitvoeringsagenda



December 2011

“World market leader in sustainable solutions for improved food security, food safety and happiness”

World Challenges

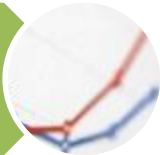
Growing and ageing world population



Climate change



Economic inequality



Urbanisation



World Solutions

“More with Less”

ENERGY



SPACE



WATER



MINERALS & CROP PROTECTION

World Leader

#1 Added value

#1 Knowledge and innovation

1-2 Market share export

#1 Productivity

#1 Sustainability