

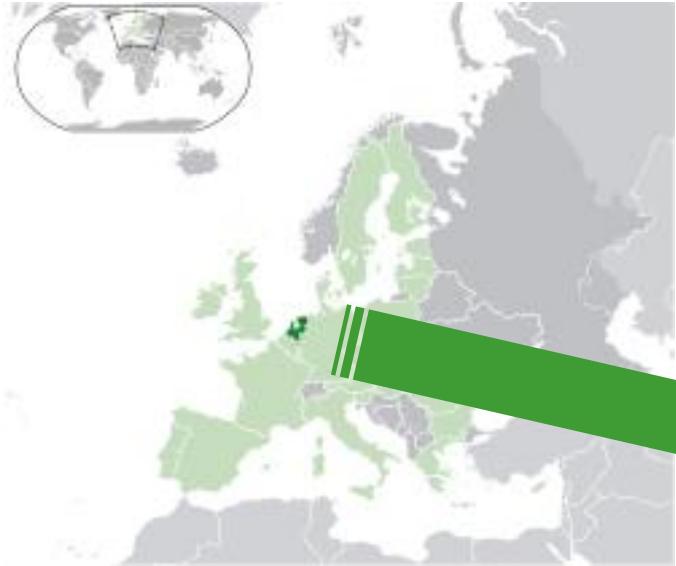
# Agriculture and the city

Connecting both sides in The Netherlands

May 24<sup>th</sup> 2013, Jan Eelco Jansma



# The Netherlands



[http://www.youtube.com/watch?v=hqEh0iFWIgs&feature=player\\_embedded](http://www.youtube.com/watch?v=hqEh0iFWIgs&feature=player_embedded)

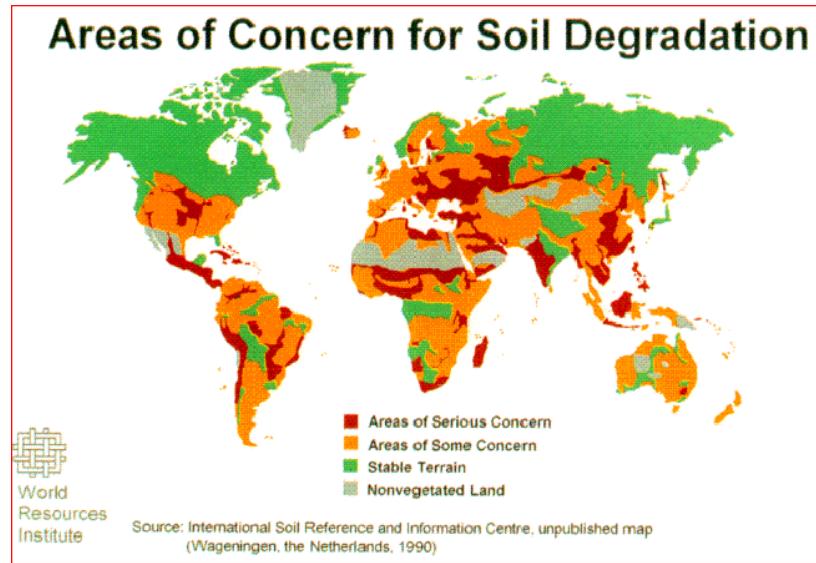
# Biking over a dike.....two sides



# Our food system, side one



# Our food system, side two



# Biking over a dike.....two sides



# Jan Eelco Jansma

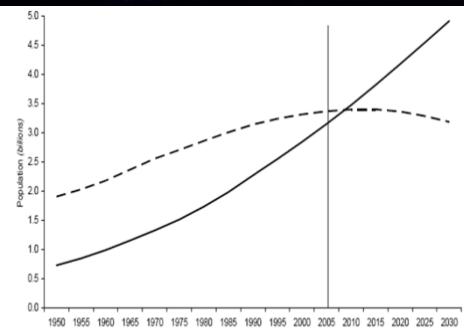
- Wageningen University and Research
- Agronomist: sustainable agriculture
- Scientist Urban Agriculture



# Biking over a dike.....two sides



# City

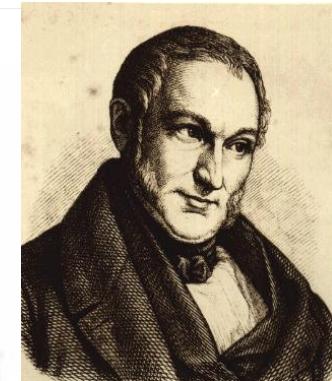
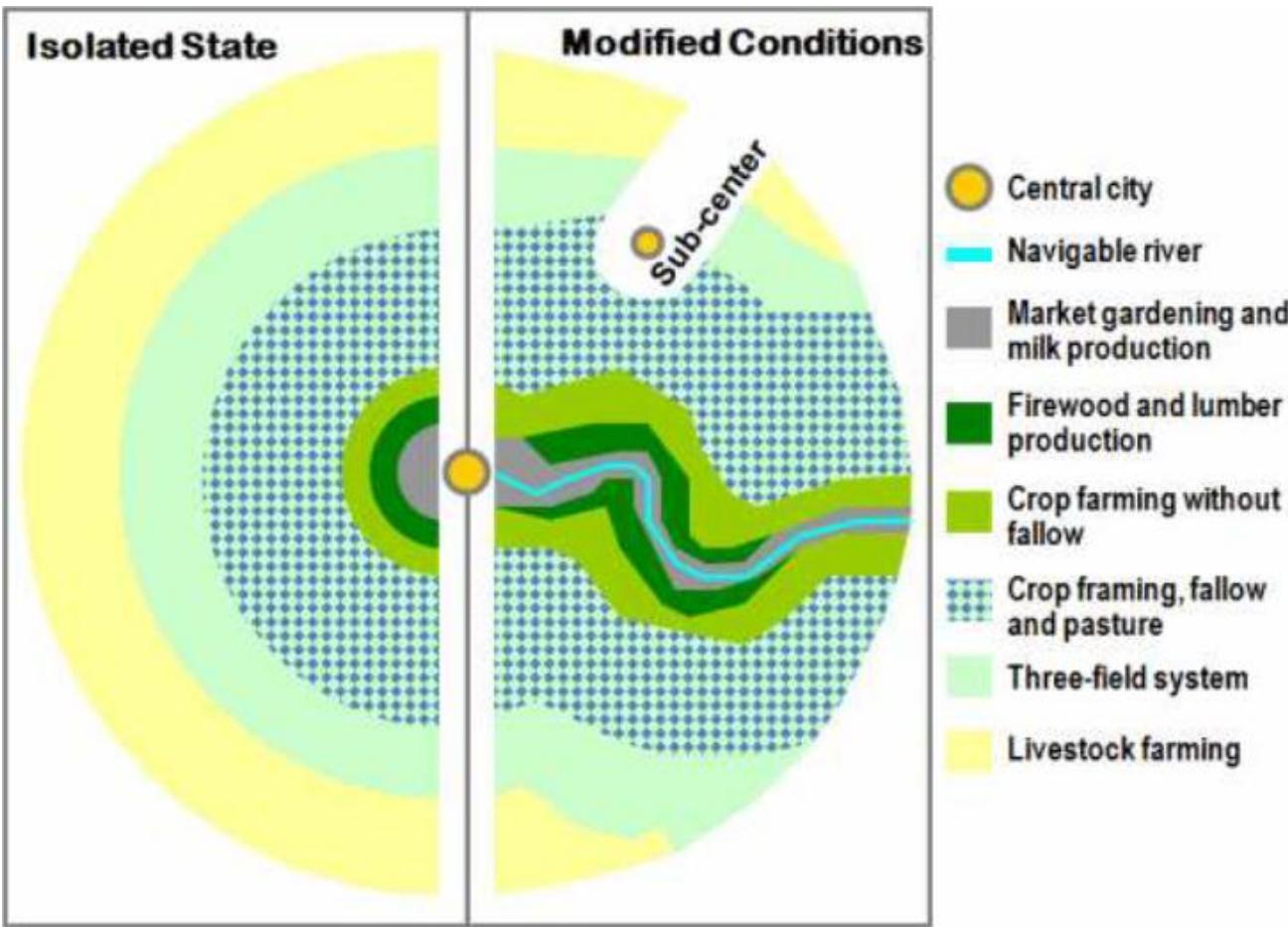


# Urban area



**WAGENINGEN UR**  
For quality of life

# Von Thünen...

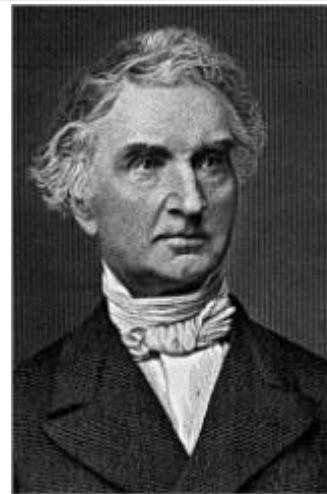
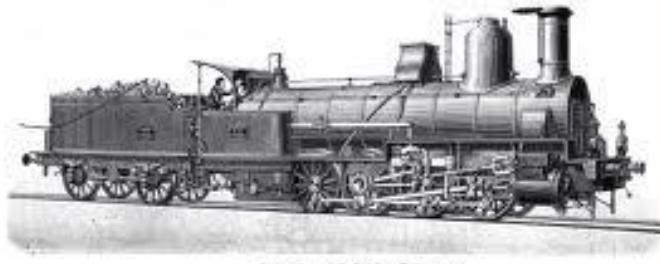


1783-1850

# Utrecht vs. Londen



# 19-20<sup>ste</sup> century start of Green revolution



# Growth of residents

<b>Jaar</b>	<b>Utrecht</b>	<b>London</b>
1300	5.500	100.000
1600	30.000	200.000
1700	30.000	700.000
1800	33.000	960.000
1900	102.000	6.500.000

# Biking over a dike.....two sides



# City&food = urban&agriculture



# Urban Agriculture is...

Food production & processing in the city,  
cities' fringe & outside the city

Integral part of cities' economy, ecology  
and social system

**Urban Agriculture = Multi Functional**

# What functions?

1. Food
2. Leisure
3. Employment
4. (Health) Care
5. Housing
6. Energy
7. Education
8. Food Chains
9. New Business
10. Social Cohesion
11. Biodiversity



# Urban farm of Almere



Multifunctional:

1. Food: app. 100 ha, beef cattle
2. Leisure
3. Care
4. Education
5. New Business (artisan)



# Onze Volktuin, Almere

Multifunctional:

1. Food
2. Leisure: 70 allotments
3. Social Cohesion
4. New Business



# Creatief Beheer, Rotterdam



Multifunctional:  
1. Education  
2. Social cohesion  
3. Biodiversity



# Ridammerhoeve, Amsterdam



Multifunctional:

1. Food
2. Leisure
3. Education
4. Employment
5. New Business

# De kwekerij, Amsterdam



Multifunctional:  
1. Food  
2. Care  
3. New Business

# Uit je eigen stad, Rotterdam



- Multifuncional:
1. Food
  2. Leisure
  3. Employment
  4. Food Chains
  5. New Business

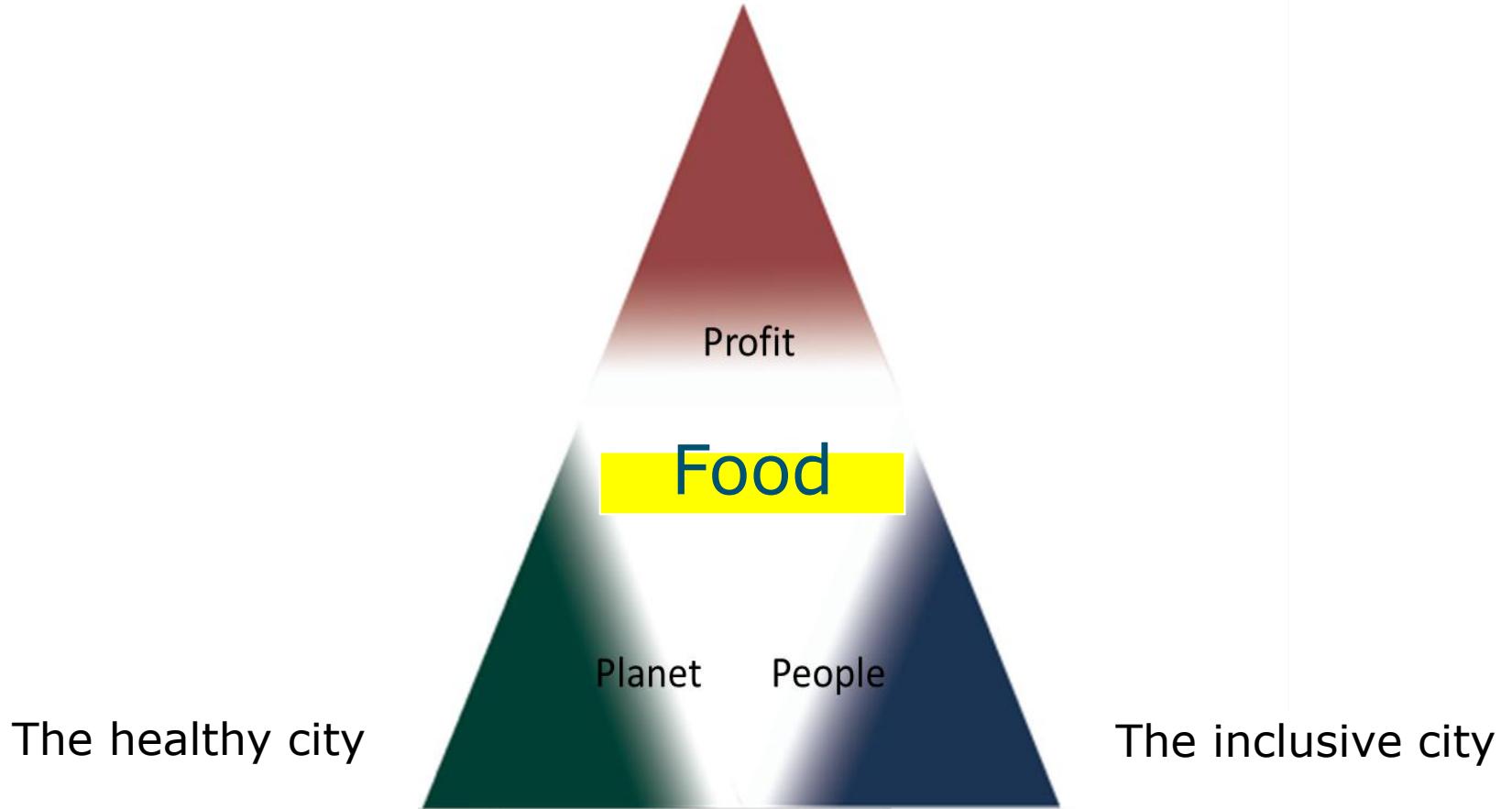


# City of the future

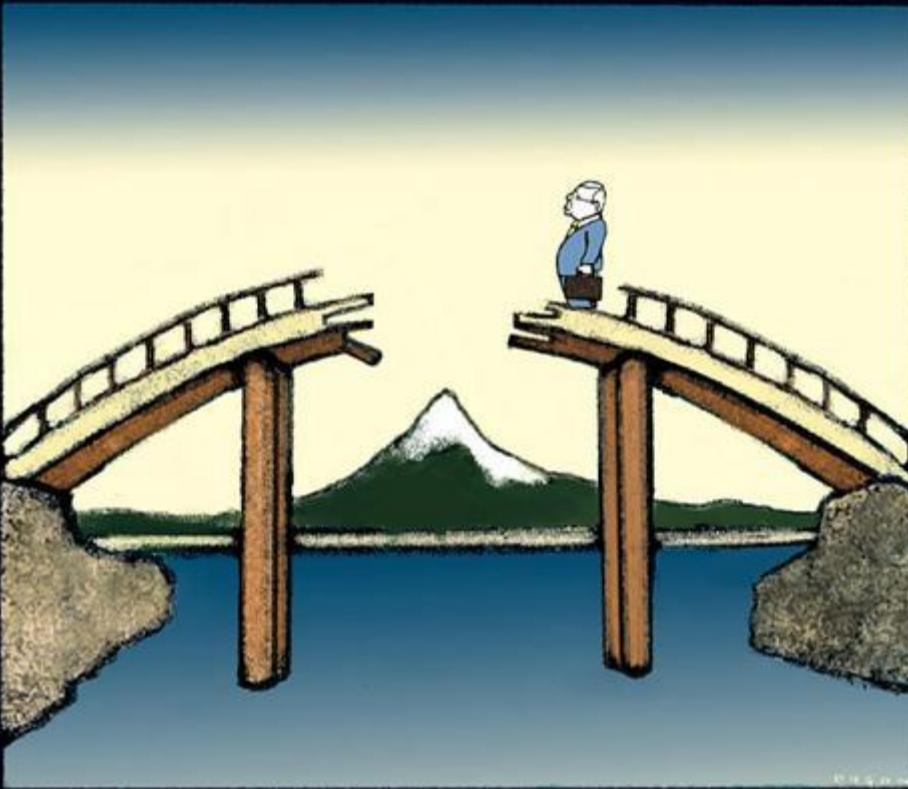


# von Thünen ...again

The profitable city



# The challenge



# Bridging of the two sides in Almere Oosterwold



## Almere Oosterwold (2030):

- 20.000 dwellers
- 2.000 ha urban agriculture
- Energy neutral
- Re-use of waste



# Development strategy: planned anarchy....



# Biking over a dike.....connecting both sides



[www.agromere.wur.nl](http://www.agromere.wur.nl) (in English!)

# Thanks!

