Nature based solutions in Amsterdam (Netherlands)

ThinkNature
Bucharest, October 2-3, 2019
Contents

• The world
• Europe
• The Netherlands
• Amsterdam
Goal 11.
Make cities and human settlements inclusive, safe, resilient and sustainable
African Urbanisation 2010-2025

Growth of African cities
% increase, 2010-2025 forecast

City population, forecasts, 2010 2025

Source: UN-HABITAT
Towards an EU Research and Innovation policy agenda for Nature-Based Solutions & Re-Naturing Cities

2006: EU Soil Strategy against Soil Sealing: “Soil & The City”

- Decrease sealing and open (green) soil creates:
  - a nice environment to live in,
  - with a better hydrological cycle,
  - with less fine dust,
  - with more carbon sequestered, and
  - with more species rich ecosystems.
The Netherlands

- 42,500 km²
- > 17 million people
- i.e. 400 per km²

- NL is still a green country
- High valuation of nature
- Compact city approach
- Nature based solutions in spatial planning on national, regional and local scales
The Netherlands

50% is “polder”, i.e. below sea level
The Netherlands

- 50% is “polder”, i.e. below sea level
The Netherlands

- NBS is of all times in NL
The Netherlands: the compact city
The Netherlands: Randstad 2040
Zandmotor
Zandmotor
Markerwadden
Amsterdam
The University of Amsterdam and the municipality of Amsterdam signed collaboration agreement.

The agreement confirms the shared intention to develop new knowledge and share existing knowledge for a greener and more sustainable development of the Amsterdam Metropolitan Area.
Amsterdam Green Campus: Topics

- Connectivity of natural ecosystems (‘ecolint’)
- Soil & The City
- Insect population dynamics in hedges, forests and river/canal shores
- Creation and preservation of species rich vegetation along canal/river shores
- Nature awareness
Connectivity: ‘Ecolint’
Awareness: The ‘tosti’ factory
Amsterdam

https://www.youtube.com/watch?v=Q2qNyEzh5X0