

# GREEN 'SOIL' Industry

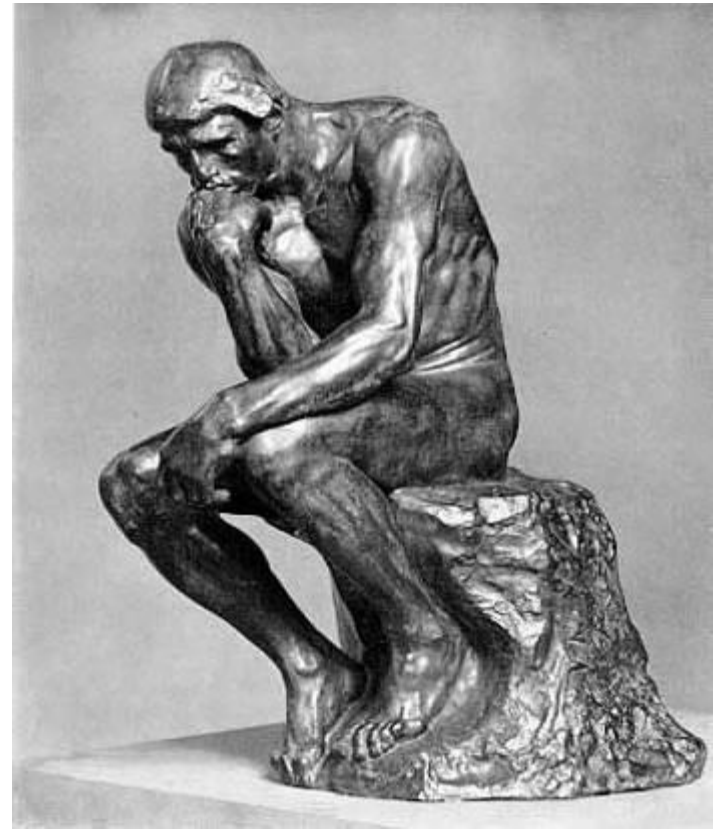
## Green chemistry

Utrecht, 22 November 2013

Laurent Bakker

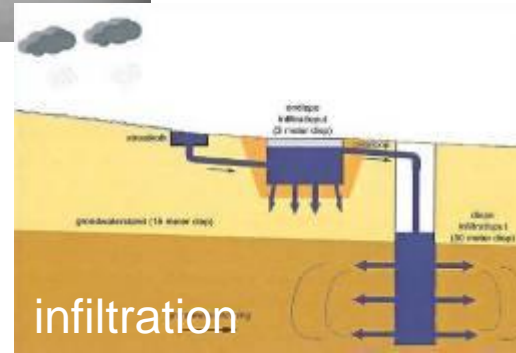
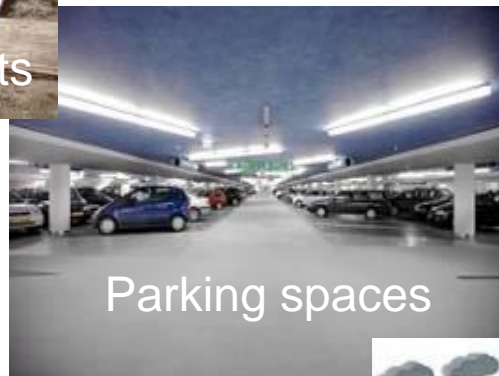
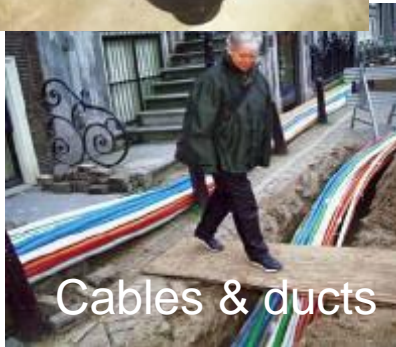
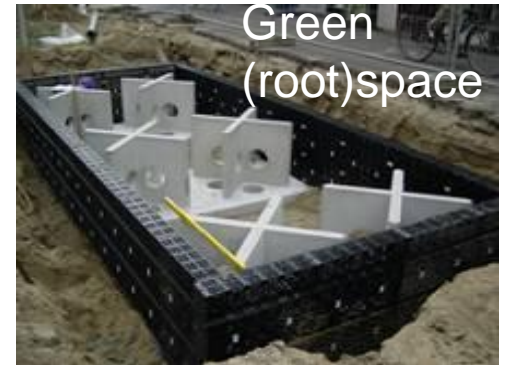
([laurent.bakker@tauw.nl](mailto:laurent.bakker@tauw.nl))

**Tauw**

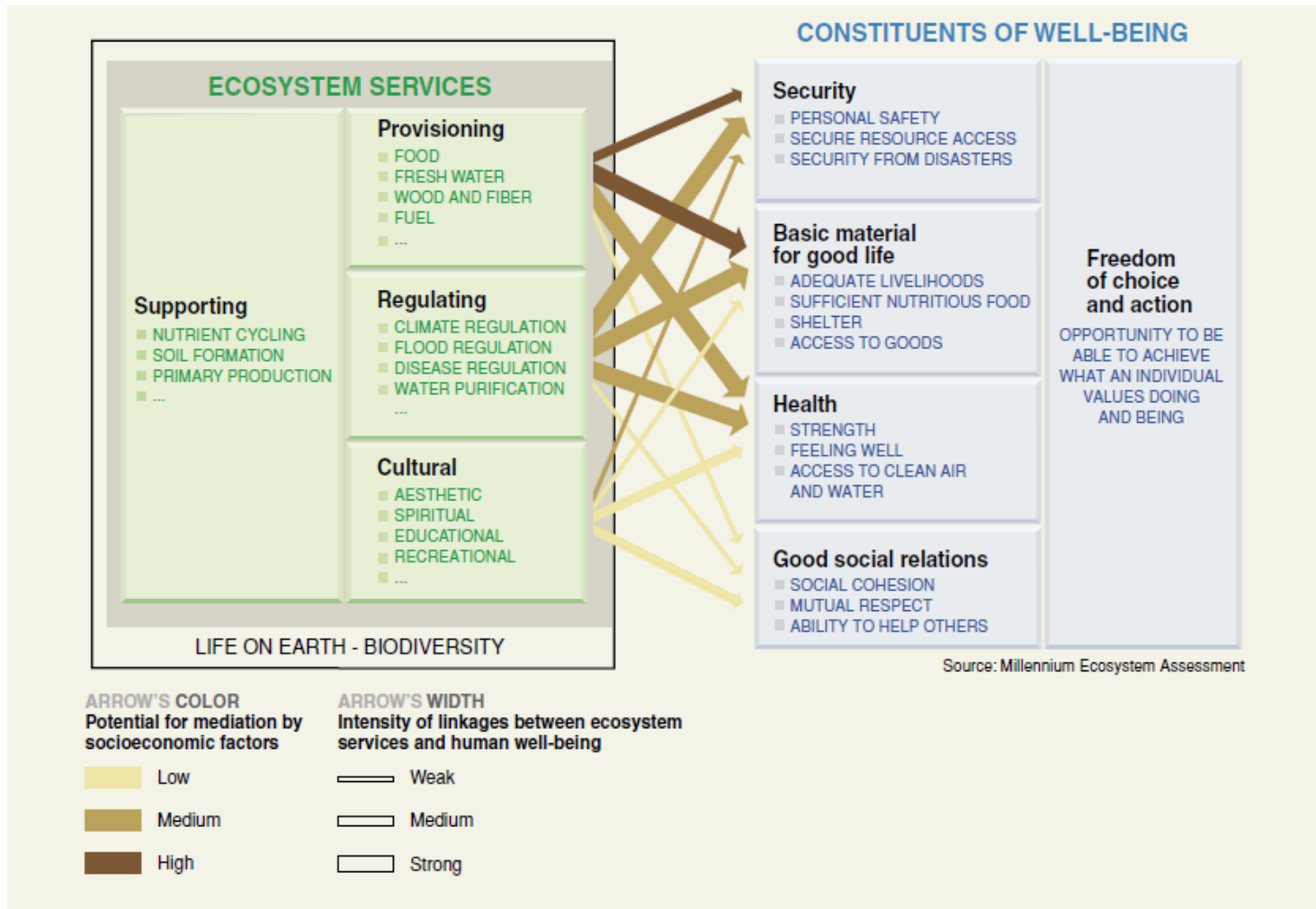


# The subsoil is getting crowded...

Communication & organisation needed!



# Ecosystem Services



# Climate change



Multiple functions

1.150 parkeerplaatsen verdeeld over 3 ondergrondse lagen

## Parkeergarage Museumpark

en Ondergrondse Waterberging, 10.000 m<sup>3</sup> water



Aanvang: mei 2005  
Gereed: mei 2007

www.parkeergaragemuseumpark.nl  
telefoonnummer 0800 -



New housing concepts?

Soil independant



Wadi:  
waterstorage/infiltration/green

Green roofs



Or high and dry?



Tauw

# Energy and sustainability

Compact building; groundwater orientated?

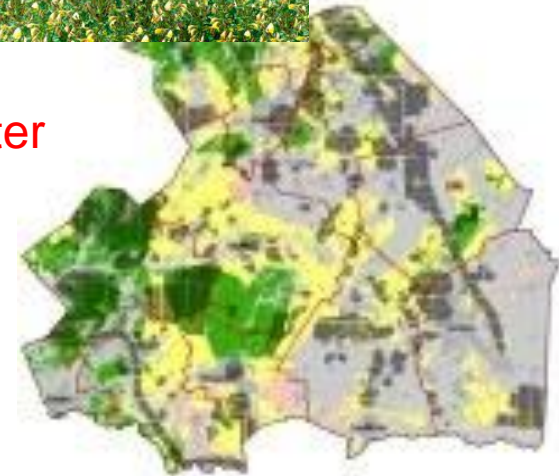


Energy landscapes



Natural, local materials

Energy and water  
as new settling  
factor



# GREEN 'SOIL' industry

- From greenfield to greenfield (circular biobased economy)!
- New functions for brownfields – use of soil functions
- Sustainable industry
  - Give incentive to industry: contribution to society
- HOMBRE project: Holistic Management of Brownfield Regeneration

