

# International Congresses on Education in Botanic Gardens

2018-08-13



**BGCI's 10th International  
Congress on Education  
in Botanic Gardens  
WARSAW | POLAND**

# Introduction

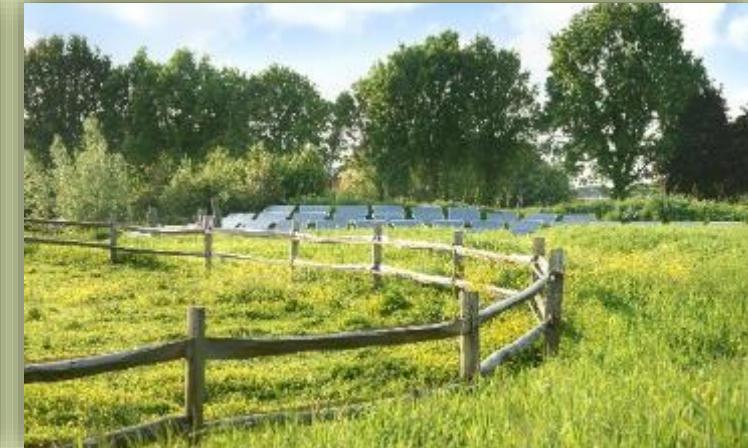


## Nico Wissing

- Green genes
- Out of the box
- Connected with the landscape
- The Infinite flow of creations
- Leave the cleanliness complex
- Lectures worldwide
- Books



# Landscape Studio Nico Wissing



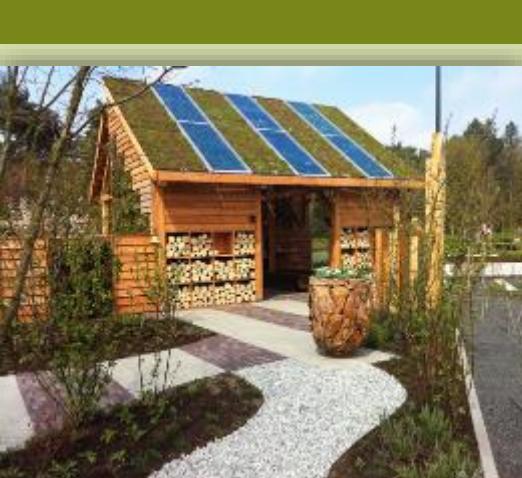
# Land-Art Studio Nico Wissing



# Private garden of Nico Wissing



# Awards and international festivals



# Worldwide garden design competitions



Singapore 2006 – Touched by Tulips



Japan 2008 – Paper ball



Japan 2011 – Gardening World Cup, Nagasaki



Philadelphia Flower Show 2017 – ‘Reconnection’



# Japan 2010 – Gardening World Cup, Nakasaki

‘World peace starts with inner peace’



# Germany 2015 – Bundes Garden Show, Berlin

## ‘Wind of Change’



# Chinese state visit – President Xi Jinping and his wife Peng Liyuan

## ‘Keukenhof, Lisse – The Hague’



# The Dutch Sustainable Urban Delta

## ‘Travelling Ecodome for Foreign Ministry’



THE DUTCH  
SUSTAINABLE  
URBAN DELTA



# The Urban Oasis – Park 2.0

- Pop-up park
- About 300 m<sup>2</sup>
- Particulate filter - clean air
- Planting and biodiversity
- Moss panels
- Water irrigation
- Solarpanels – generate energy
- Social cohesion
- Pleasant environment



# World Horticulture Exhibition Floriade 2022

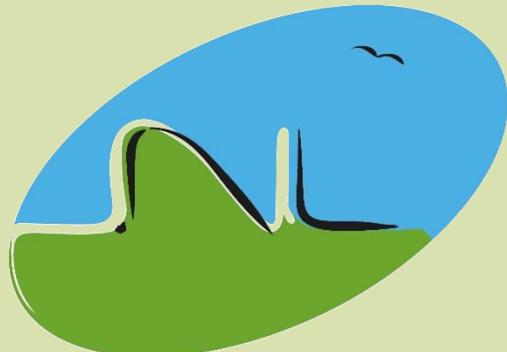


# Future design



# NL Greenlabel

- Stop ecocide destruction of the green industry
- People and awareness of nature
- Cleanliness syndrome
- Opportunities with product innovation
- The living garden
- Sustainability measurable by passports
- Scientific advisory board
- Green cities - start changing
- From decoration to green as basis



# Stop ecocide - Wood



# Stop ecocide – imported soil and peat



# Stop ecocide – Chemical crop protection



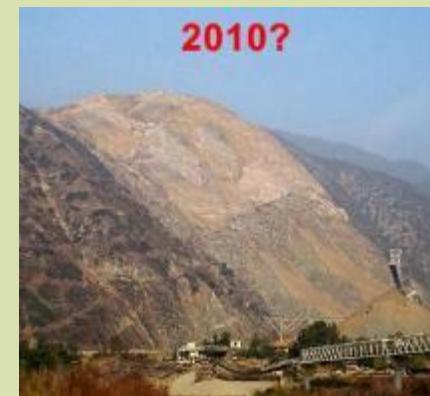
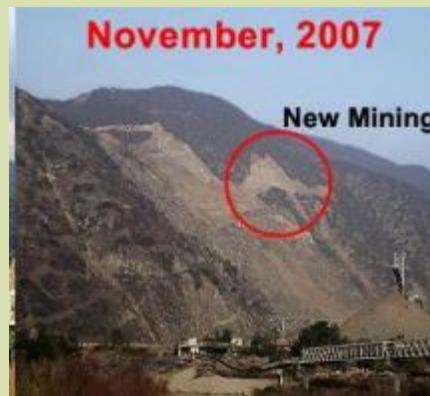
# Stop ecocide – Light pollution



# Stop ecocide – Plastic soup



# Stop ecocide – Natural stone



# Stop ecocide – Production and transport



# Sustainability passports and labels

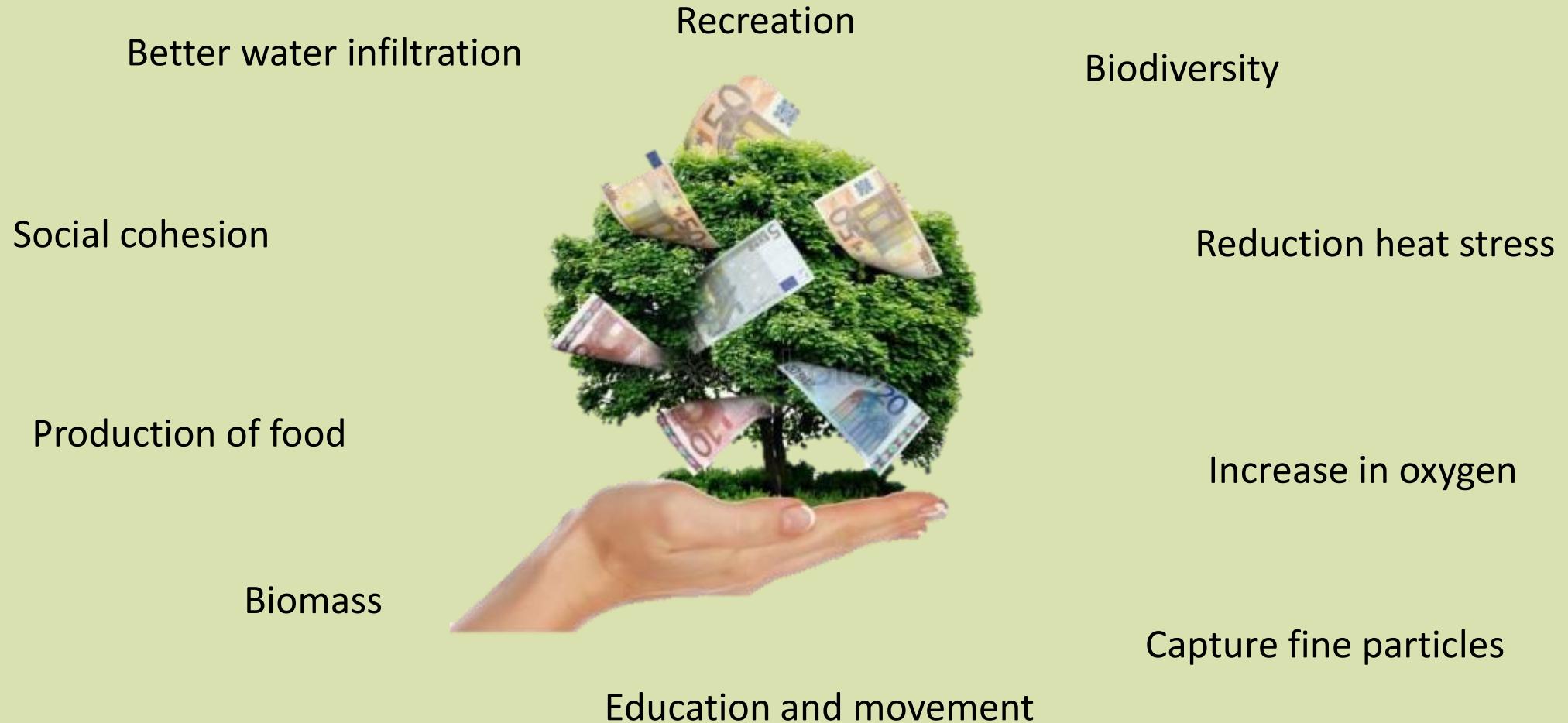
Products & materials	Plants	Area development
1. Distance	1. Distance	1. Design, realization & maintenance
2. Composition	2. Origin	2. Materialization
3. Production	3. Cultivation method	3. Energy and climate resistance
4. Lifespan	4. Delivery method	4. Soil and water
5. Maintenance	5. Biodiversity	5. Biodiversity & landscape quality
6. Energy	6. Eco added value	6. People and environment
7. Reusability	7. Assurance	7. Assurance and policy



NL Greenlabel basic principles: Self-evidence					
1. Added value for people and nature	2. Meaningful profit	3. Preferably locally	4. No spreading of toxic substances	5. Righteous, is it true, no child labor	6. Preferably bio-based



## Solution 2 - Change the role of green / nature from decoration to added value



# Solution 3 - Respect the added values of Green

- Better health
- Greater social cohesion
- Larger attraction to cities, towns and villages
- Sustainable energy generation
- Function better in terms of housing, economy and recreation
- Greater creativity
- Less vandalism, aggression, heat, stress and noise
- Better water infiltration
- higher value of real estate



# Scientific advisory board



Dr. Maarten Arentsen



Dr. Jolanda Maas



Drs. ing. Bob Ursem



Dr. Andre van der Wurff



Dr. Ir. Robbert Sneep



Em. Prof Dr. Ir. Michiel Haas



Drs. Kim van der Leest



Prof. Dr. Ir. Andy van den Doppelsteen

# Mission and vision of NL Greenlabel



## Mission

By providing (independent) sustainability passports for plants, products and materials, area and garden labels, we make sustainability measurable and transparent. Together with almost 200 partners, we advise our clients in making sustainable choices and deploying the green potential.

## Vision

NL Greenlabel makes sustainable green ambitions for creating more healthy working and living environments achievable - in which 'green' has the leading role.

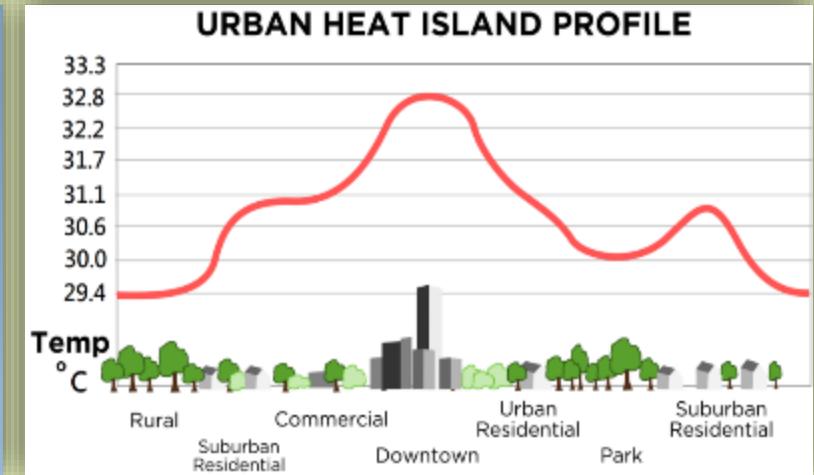
# Current cities



# Human – bad habits



# Heat-nuisance



# Smog



# Flooding



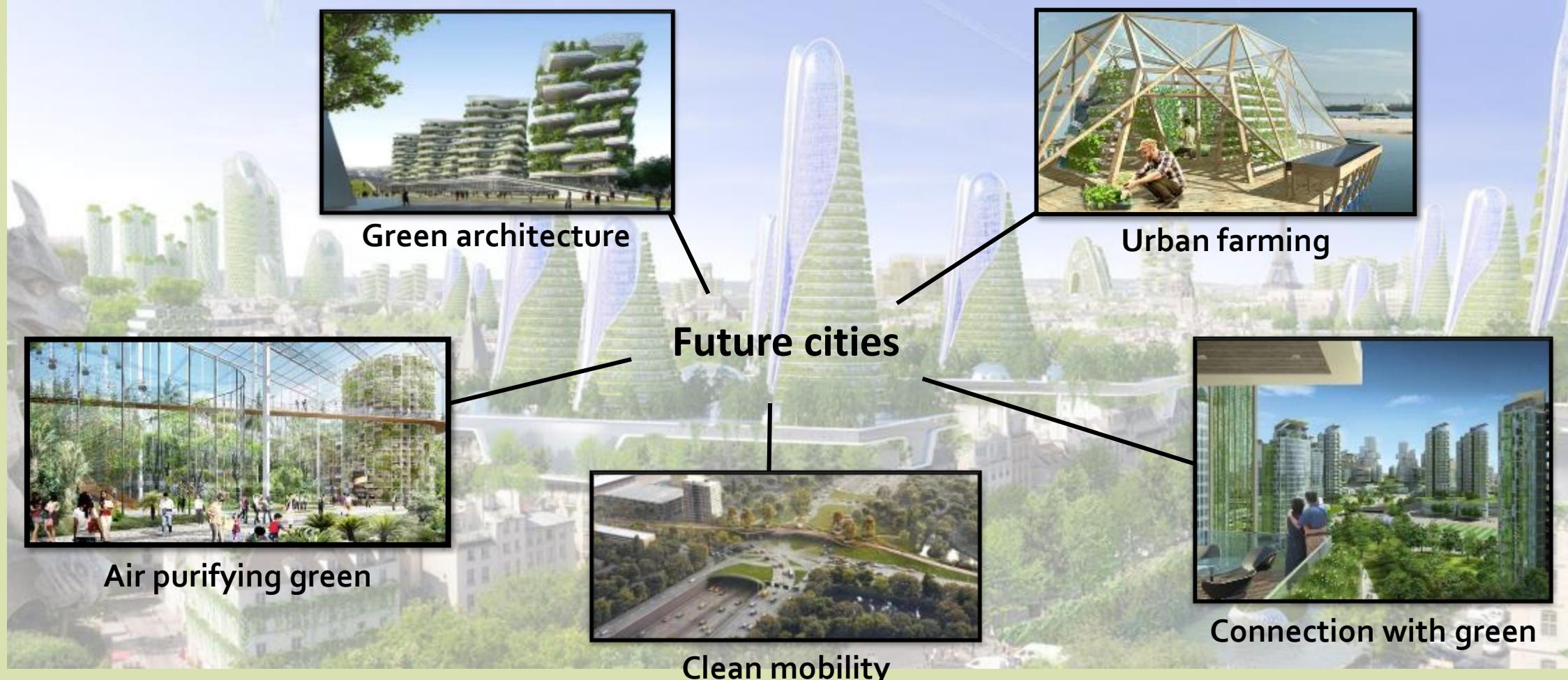
# Obsolete mobility



# Problems / use of materials



# Future cities



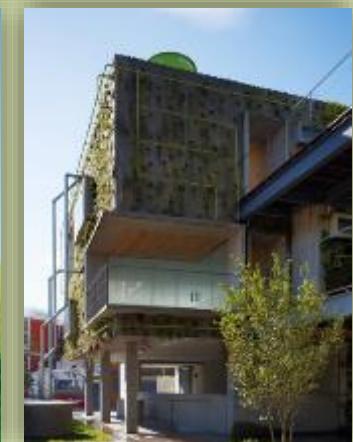
# Human



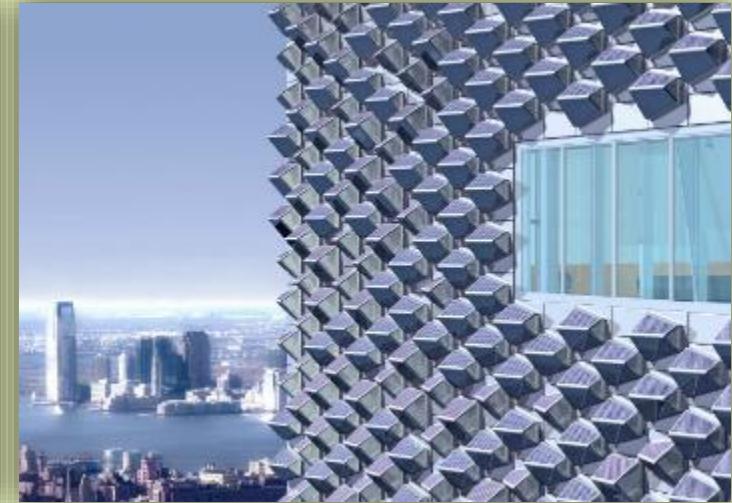
# Food



# Living



# Energy



# Mobility



# New professions



Floating gardener



Underwater farmer



Roof farmer



Drone pilot



Organ developer



Robot techie



Light breeder



Taxi pilot

# Future impression



# Global examples



# Global examples



# City garden “Amphionpark” - Doetinchem



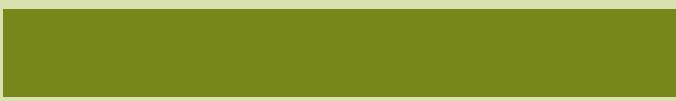
# Housing “Plantsoensingel Noord” - ‘s-Heerenberg



# Solarpark "De Kwekerij" – Hengelo Gld.



# Village park "The Bleijke" – Hengelo Gld.



# Office garden Waterboard “Rijn IJssel” - Doetinchem

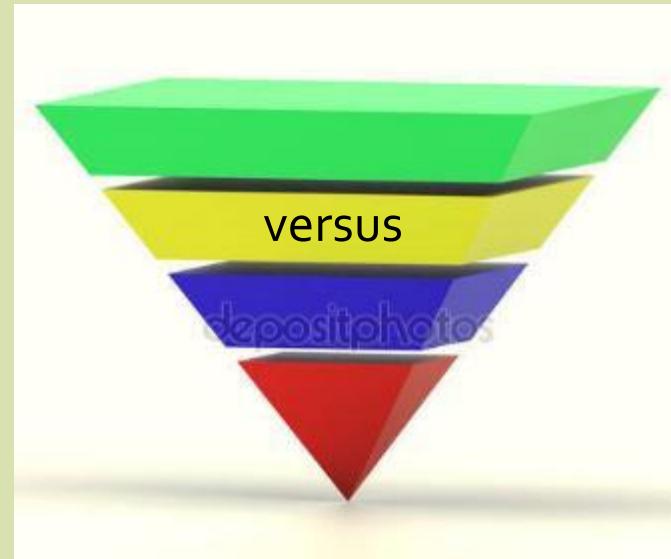


# School garden, Megchelen



# Solution 1 - Invert the pyramid

Nature  
People  
Ecologist



Developer  
Architect  
Money

# Hospital “Slingeland Ziekenhuis” – Doetinchem

‘a building visiting the landscape’



*(Design in process)*



# 7.000 m<sup>2</sup> Greenroof “Isseldoks” - Doetinchem



# Hotel “Huus” Gstaad - Switzerland



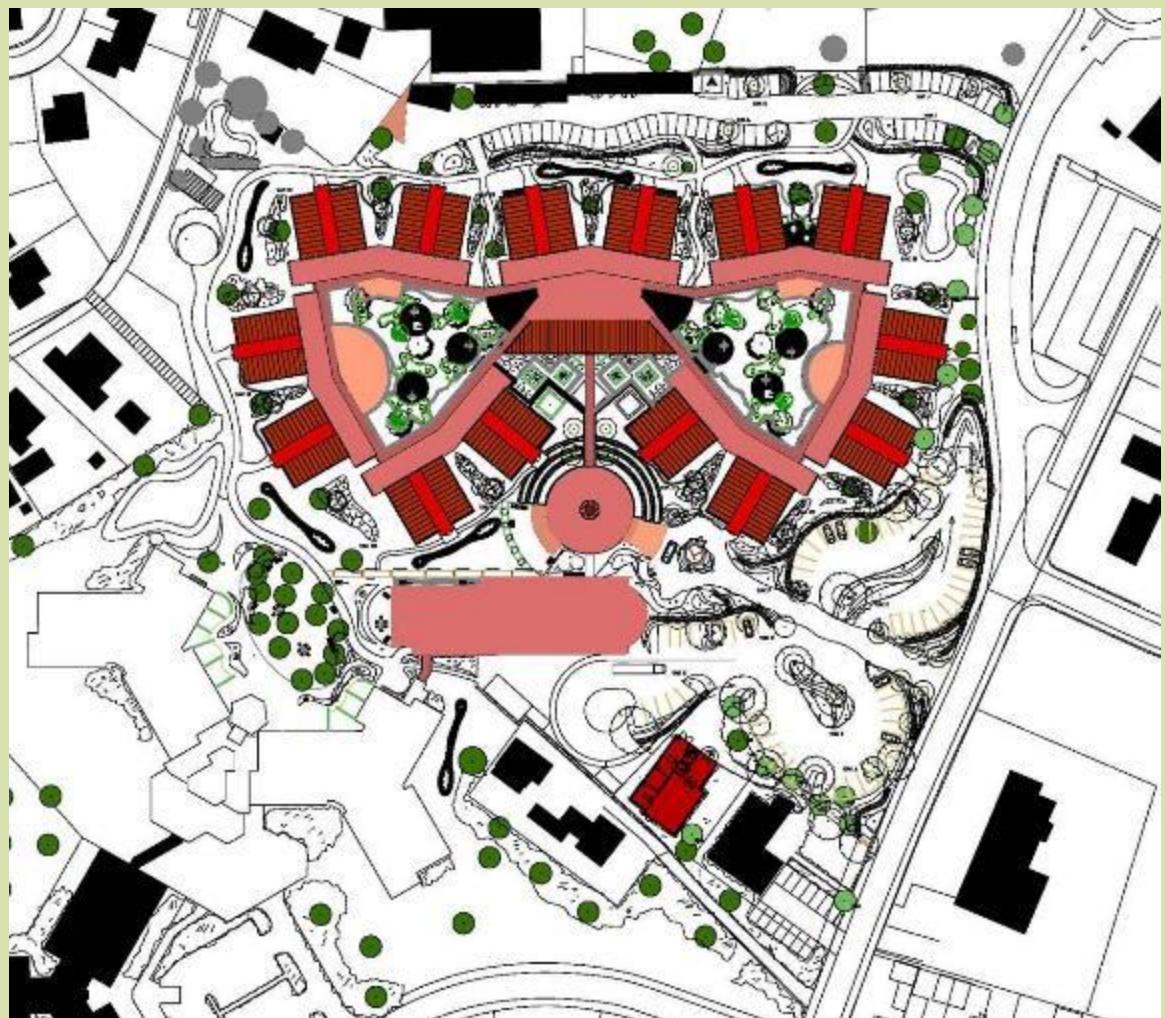
# “AOC-Oost” school garden – Doetinchem



# ABN AMRO – Circular Building and Garden

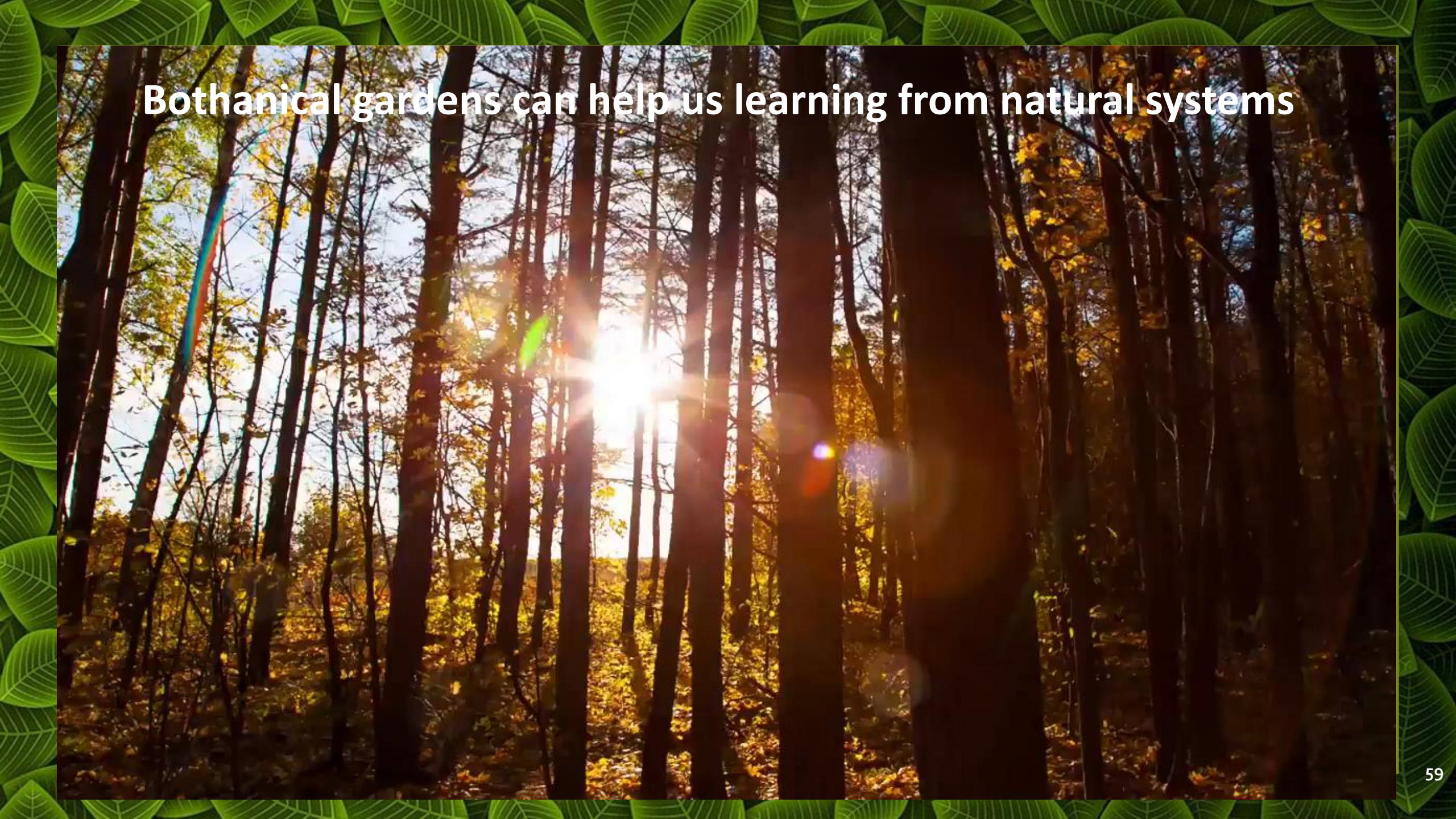


# Park and parking Nursing home, Azora Den Es, Varsseveld



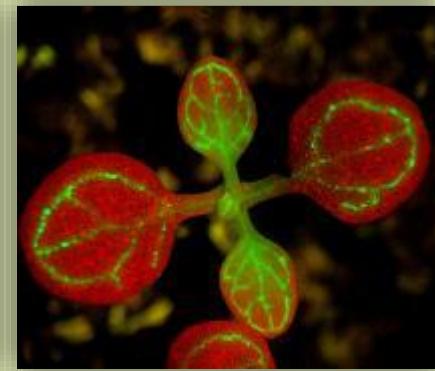
# Nursing home, Azora Den Es, Varsseveld



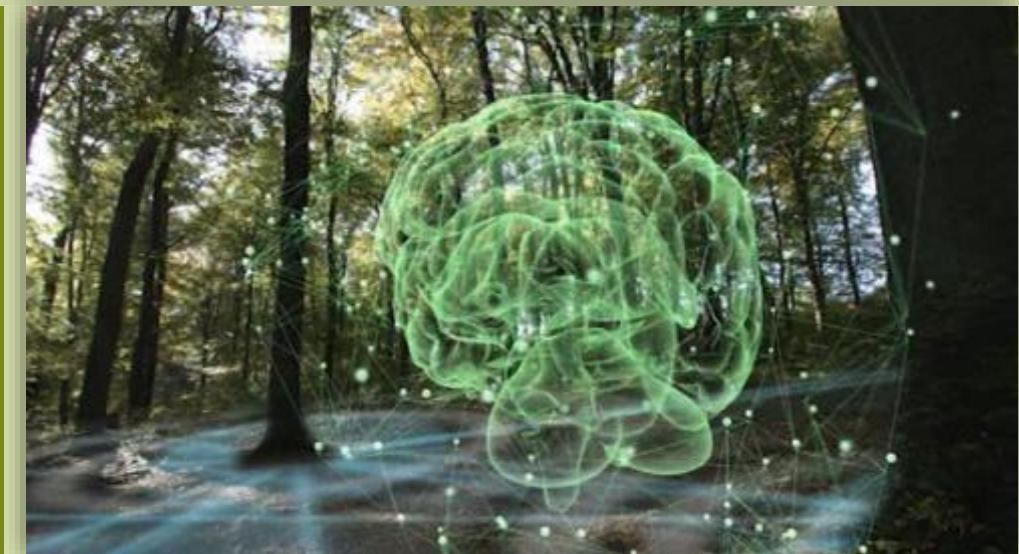
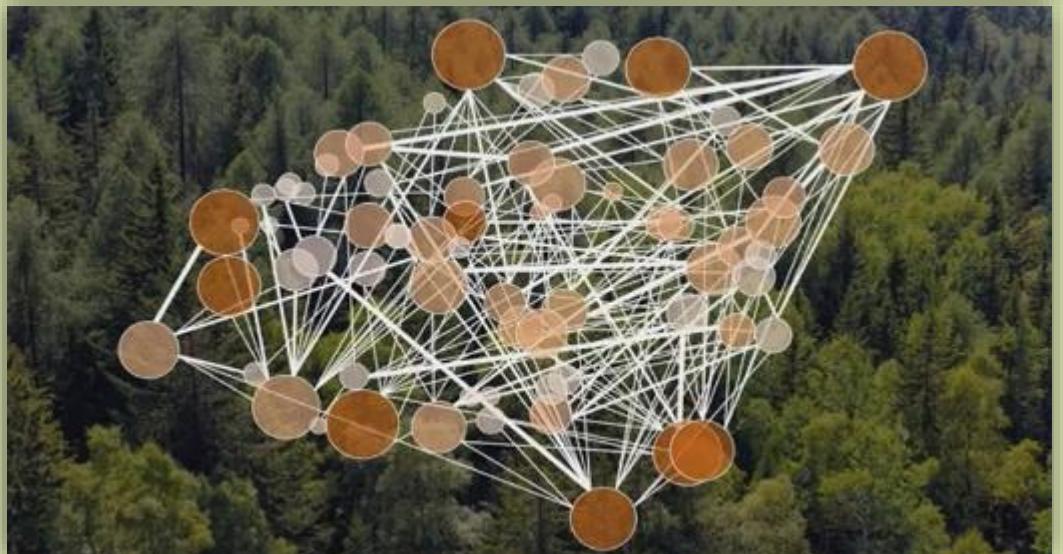
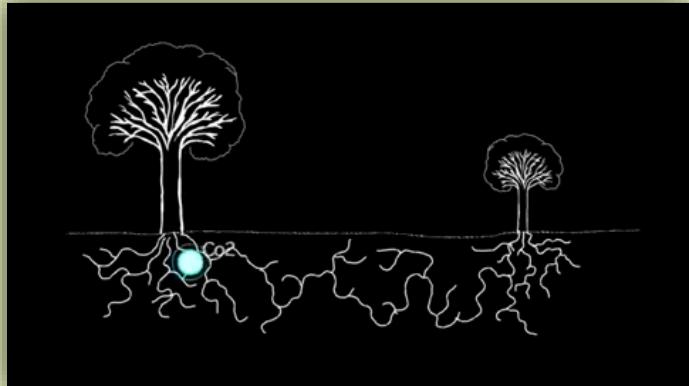


Bothanical gardens can help us learning from natural systems

# Knowledge about plants, roots and communication



# The Green population

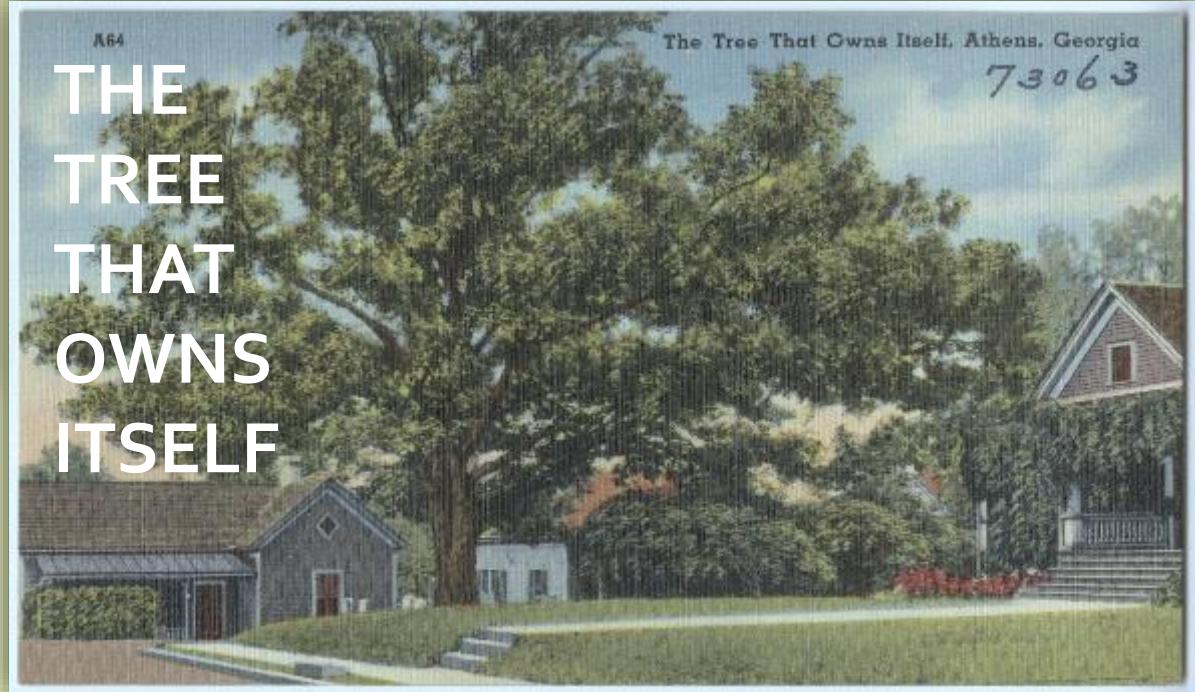


Parliament of things

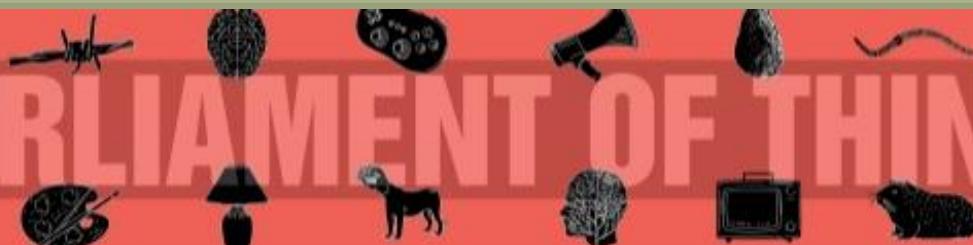
A voice for everything around us



EVERY  
TREE HAS  
A RIGHT  
TO FOREST



PARLIAMENT OF THINGS



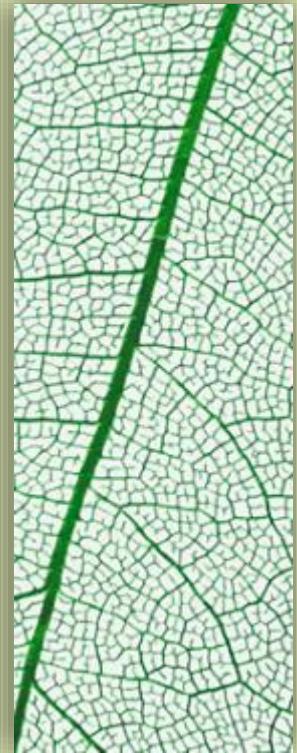
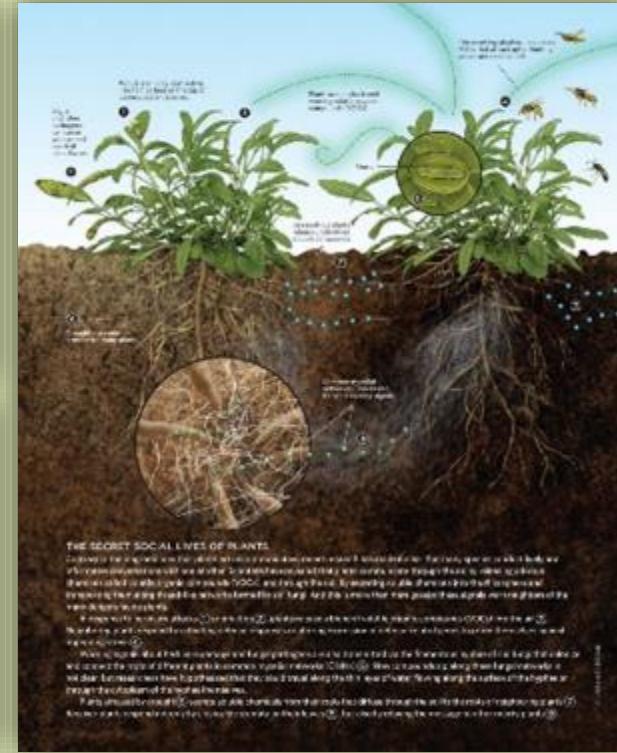
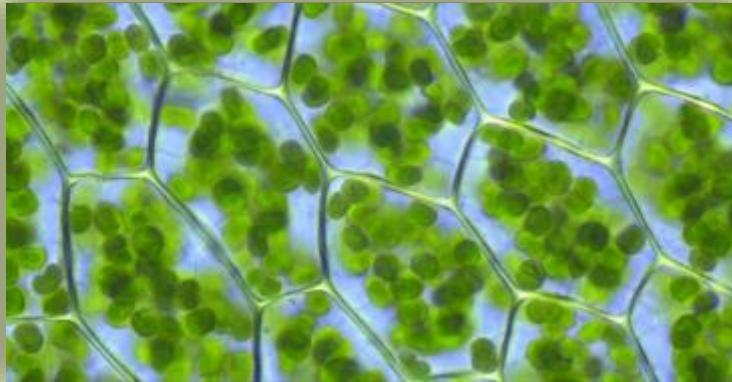
# Biomimicry as teacher / architect



# Biomimicry

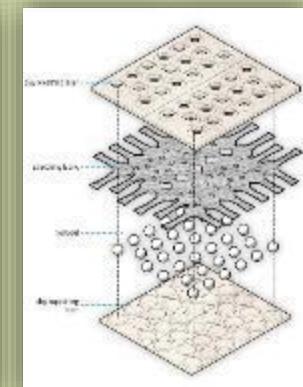
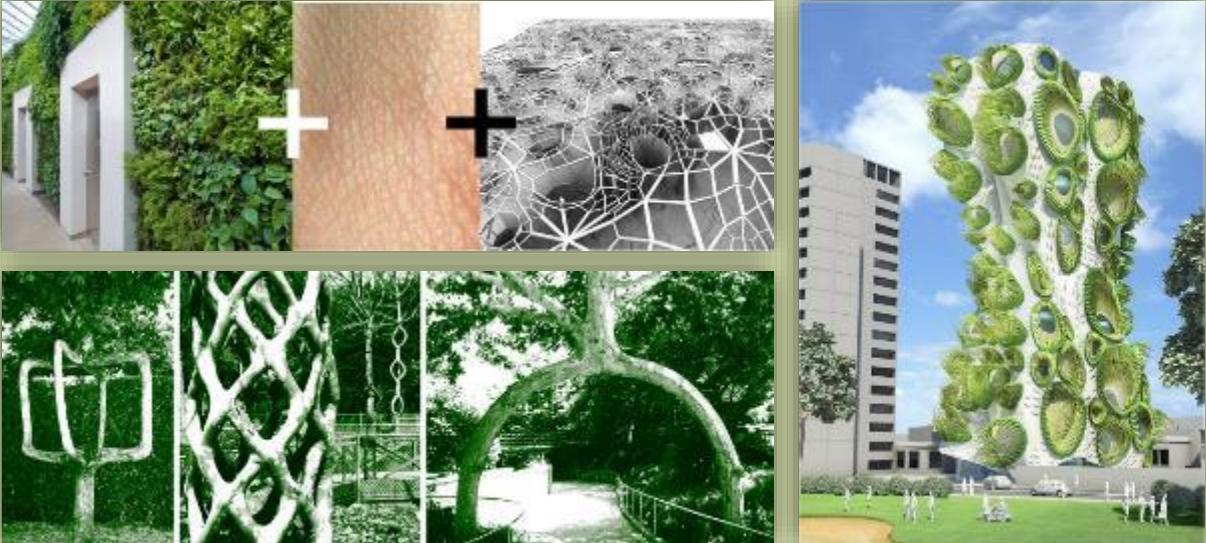


# Photosynthesis

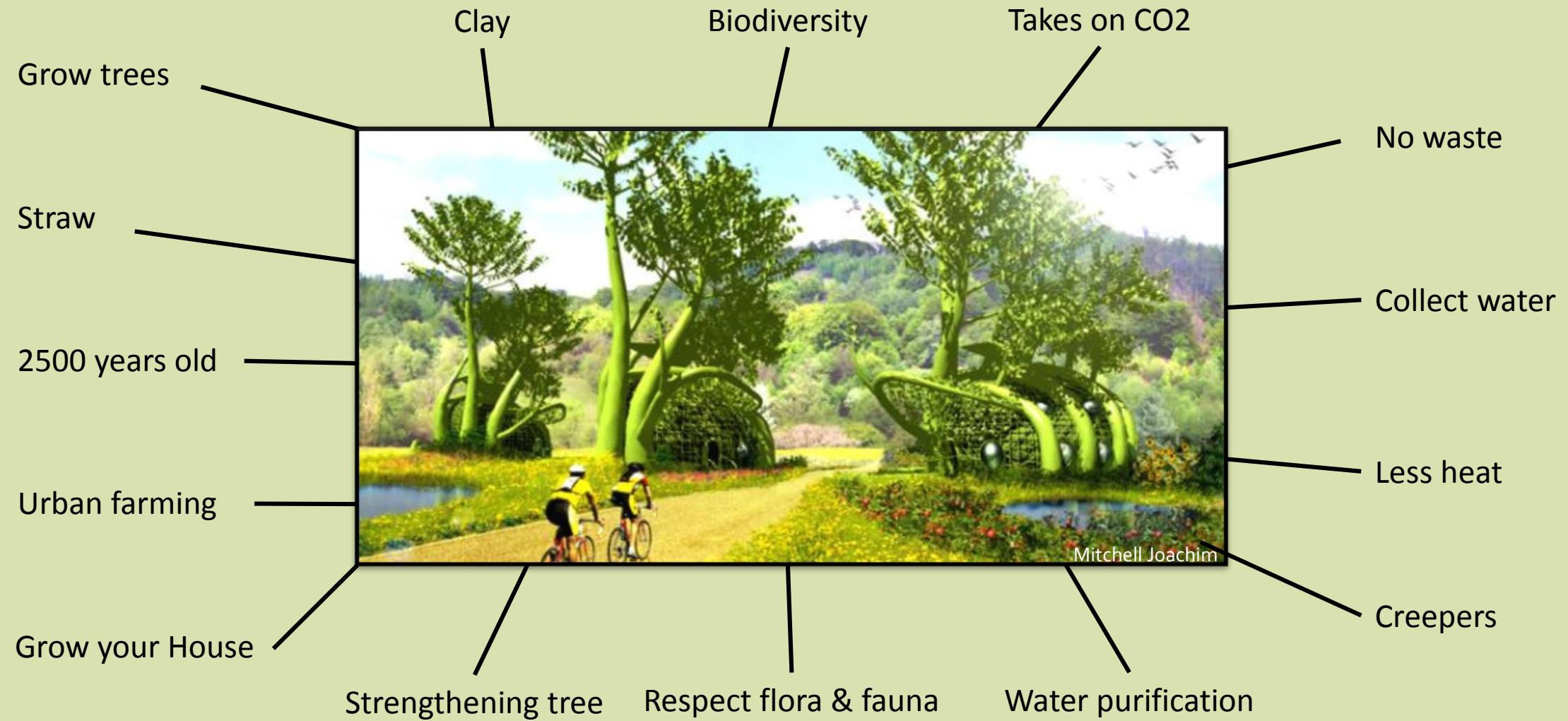


# Living architecture

- One with the nature
- new time, new opportunities



# Growing home



# Statement



High density  
architecture and smog  
Green architecture

Imported (fast) food  
Urban farming

**Knowledge, beauty, science** and centuries of experience of **horticultural societies** should be shared and shown to the public not as **parks behind fences**, but as the **key element** of developing **practical solutions** for urban societies

Flooding and heat distress  
Air purifying green

Fuel driven mobility  
Clean mobility

No connection  
with green  
Connection with green

# Statement – Developing practical solutions

**Knowledge,  
Chances  
Beauty,  
Science,  
Characteristics..**



# Statement – Outside the fences



## Parks 2.0 Urban oases



# **Statement – The challenges**



**New species  
Climate change  
Drought / Heat  
Wet floods  
Income sustainability  
Long term nature**

**Increasing resilience**



# Area Label

## WHY INTRODUCE AN AREA LABEL?

The NL Greenlabel area label will enable you to achieve your sustainability ambitions, and convert them into a sustainable living environment. The table below shows the assessment indicators. The results are translated into a sustainability passport. The sustainability passport shows the degree of sustainability achieved, via scores that range from A to G.

## Outdoor space is evaluated according to the following points:

- Design, construction and maintenance
- Products and materials
- Energy and climate
- Soil and water
- Biodiversity
- Interaction between man & environment
- Guarantees

## WHEN SHOULD YOU USE AN AREA LABEL?

A label can be applied to an outdoor space at one of two different moments. A zero measurement can be used to evaluate the start situation. On that basis, a clear and precise picture is obtained of the steps that have to be taken in the process, to arrive at the highest achievable outcome: an NL Greenlabel area label A. In that situation, the area label is a source of inspiration that can be employed to create a sustainable area design.

The other possible route is to have only the finished result assessed. In that case, the area label serves as an assessment framework that rewards the sustainable design and realisation of the outdoor space with a positive score. Every NL Greenlabel area label is awarded according to a tailor-made programme. A price quotation will be prepared in advance.

## WHAT CAN NL GREENLABEL DO FOR ME?

You can call upon NL Greenlabel to produce a masterplan, to offer advice or supervise the entire project. Together with its partners (125 companies) and their labelled products (approximately 150 products), NL Greenlabel is able to contribute to the sustainable (re)development of any area in the Netherlands.

Phase	NL Greenlabel product
Before project launch	Area zero measurement
Design phase	Design and/or complete Masterplan
Construction phase	Advice on sustainable materials and/or supervision of construction process
Handover	Final measurement – NL Greenlabel area label
PR & Communication	Lodewijk Hoekstra can be deployed to attract media attention
Maintenance and Management phase	Advice on sustainable maintenance and/or carrying out maintenance work



**NL Greenlabel**

**NL Greenlabel Gebiedslabel**

**"Plantsoenring Noord"**

Locatie: Duurzaam bultenruimte  
Partner: Woningbedrijf Berghe  
Royal HaskoningDHV heeft het plan beoordeeld op:  
1. Ontwerp, aanleg en onderhoud  
2. Producten en materialen  
3. Energie en klimaat  
4. Bodem en water  
5. Biodiversiteit  
6. Relatie mens & omgeving  
7. Borging  
Op basis van de beoordeling in combinatie met expert judgement door specialisten, heeft Royal HaskoningDHV het onderstaande label toe aan dit plan:

**NL Greenlabel A**

Deze duurzaamheidsscore is geldig van 10 oktober 2013 tot 09 oktober 2016  
onder de voorwaarde van jaarlijks hercontrole!

**vhg**  
**Royal HaskoningDHV**  
**Green Deal**



**Thank you for your attention**

Nicowissing.com