

PERSPECTIVES ON PLANTING DESIGN FROM THE NETHERLANDS



*“The Dutch way of thinking about
nature, the role of plants and
planting design”*

ir J.A.A.T. (Jan) van Merriënboer
senior lecturer planting design & dendrology
ir J. (Jeroen) de Vries,
senior lecturer landscape architecture
University of Applied Sciences, VHL Velp
IMLA, Nurtingen, 6th of November 2013

Background Jeroen de Vries

- Wageningen University: landscape architecture and landscape ecology
- Educationalist: Van Hall Larenstein, Wageningen U
- Professional practice - DG Groep in Boskoop
 - Policy plans for town councils: green policy, green structure, tree planning
 - Planting design and development of planting
 - Ecological aspect in design
- Former president and board member European ECLAS
- Board member of the LE:NOTRE Institute
- Research projects:
 - biodiversity in urban fringe landscape
 - multifunctional an multilevel design

Background Jan van Merriënboer

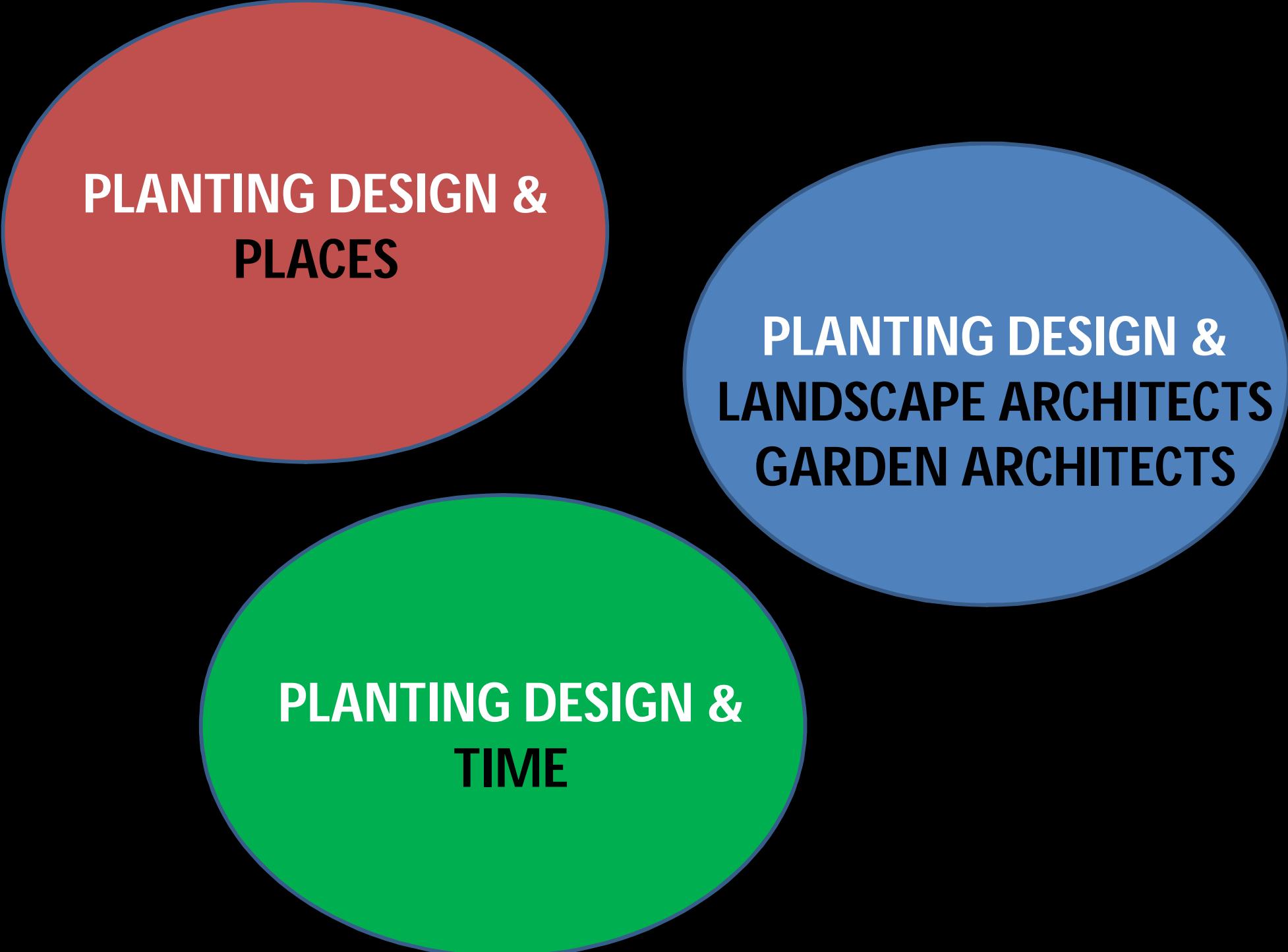
- Van Hall Larenstein – BSc Garden and landscape architecture
- STOAS University - Bachelor in Garden and landscape education
- Wageningen University: MSc Landscape architecture and planning – socio-spatial analysis
- Senior lecturer VHL
- Guest lecturer: Wageningen University, Technical University Delft
- Professional practice
 - Landscape contractor
 - Landscape advisor BTL
- Garden design (gardens, estates, public open space)
- Environmental psychology
- Planting design & dendrology



“SPIRIT OF THE AGE”

“ZEITGEIST”

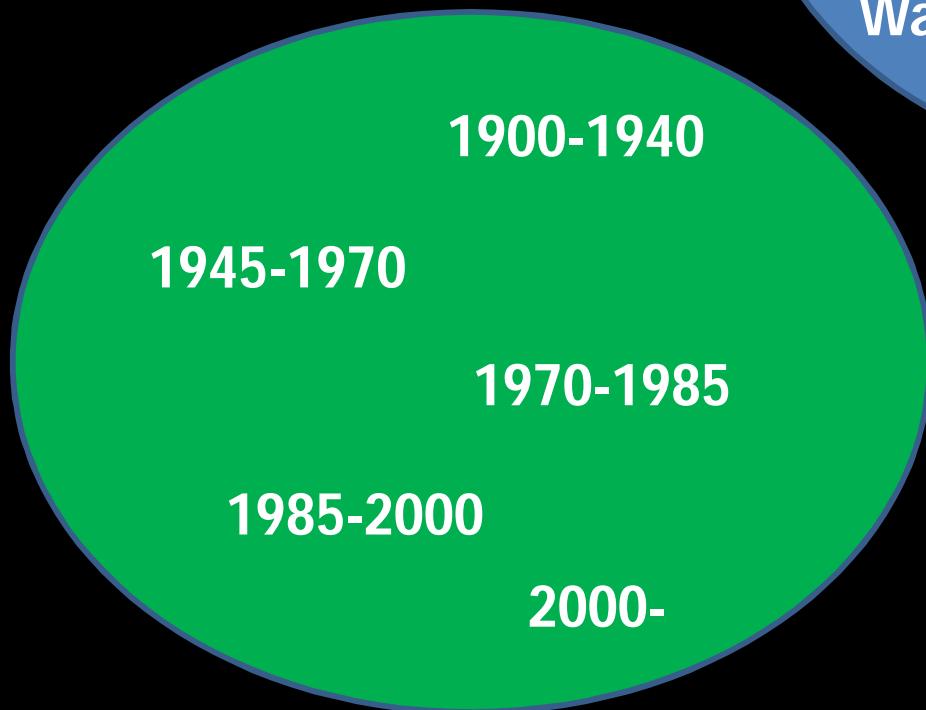
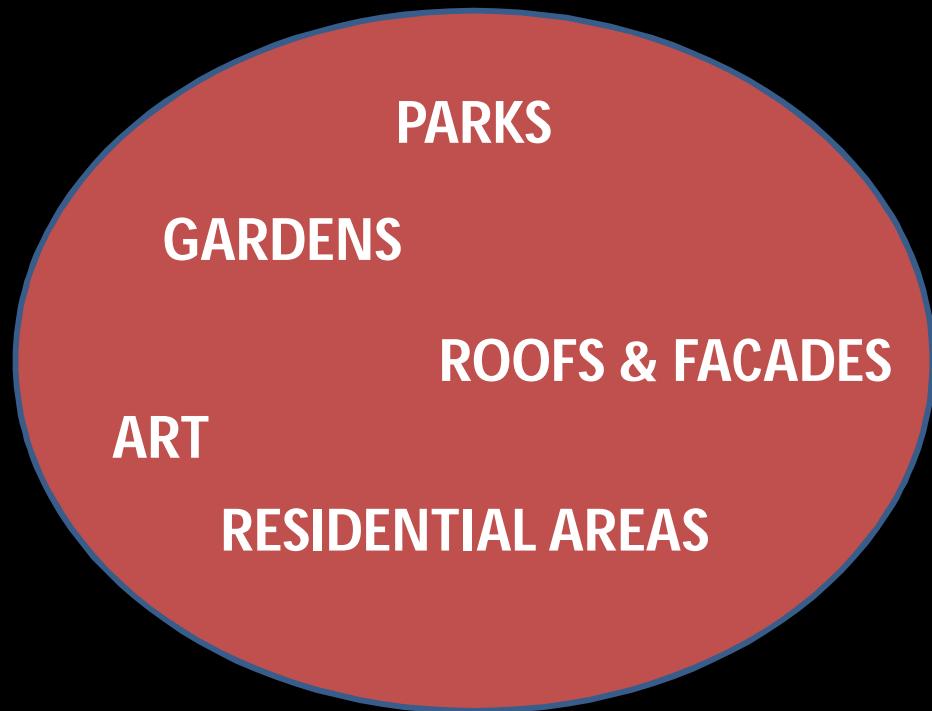
“TIJDGEEST”



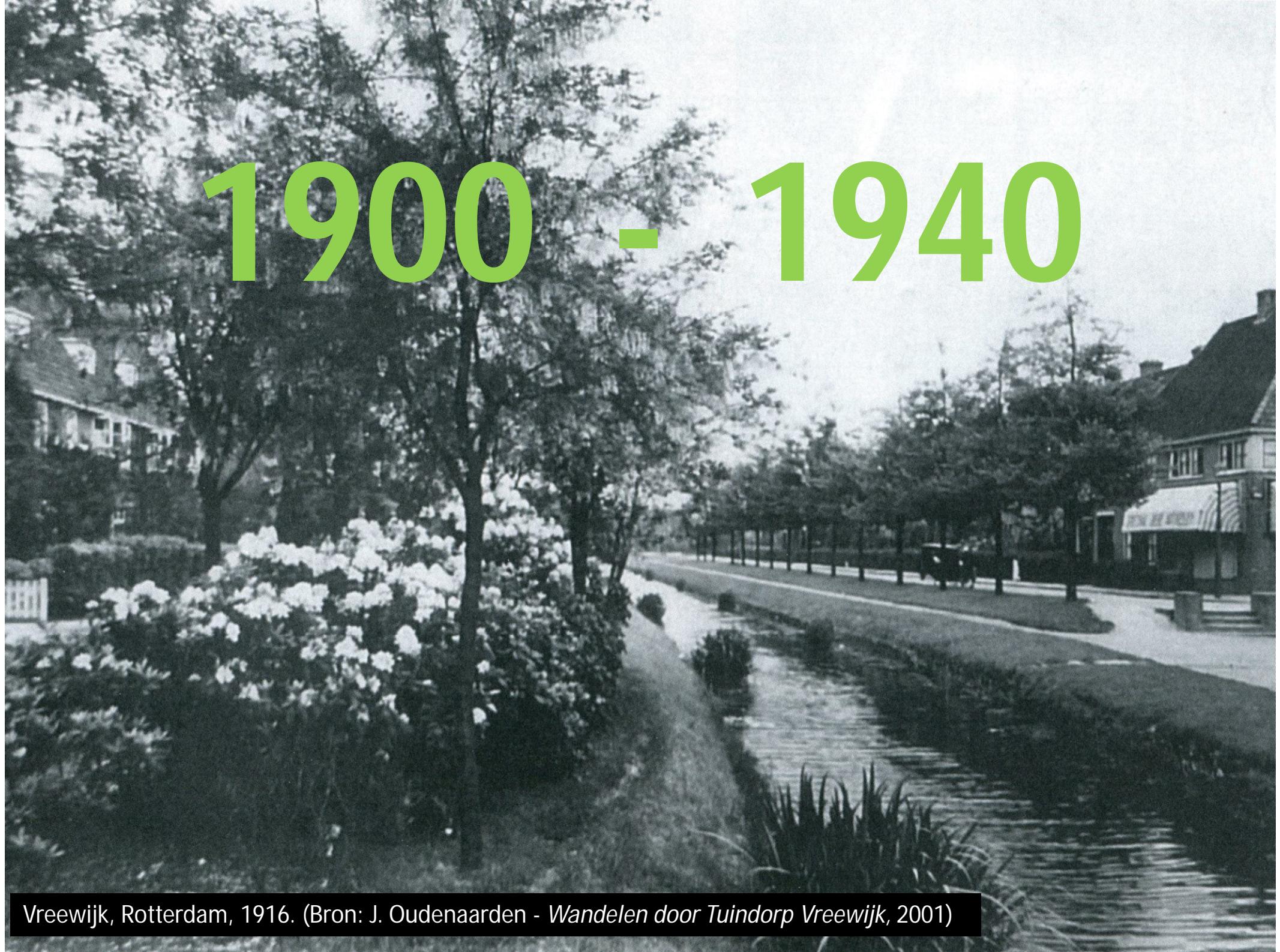
**PLANTING DESIGN &
PLACES**

**PLANTING DESIGN &
LANDSCAPE ARCHITECTS
GARDEN ARCHITECTS**

**PLANTING DESIGN &
TIME**



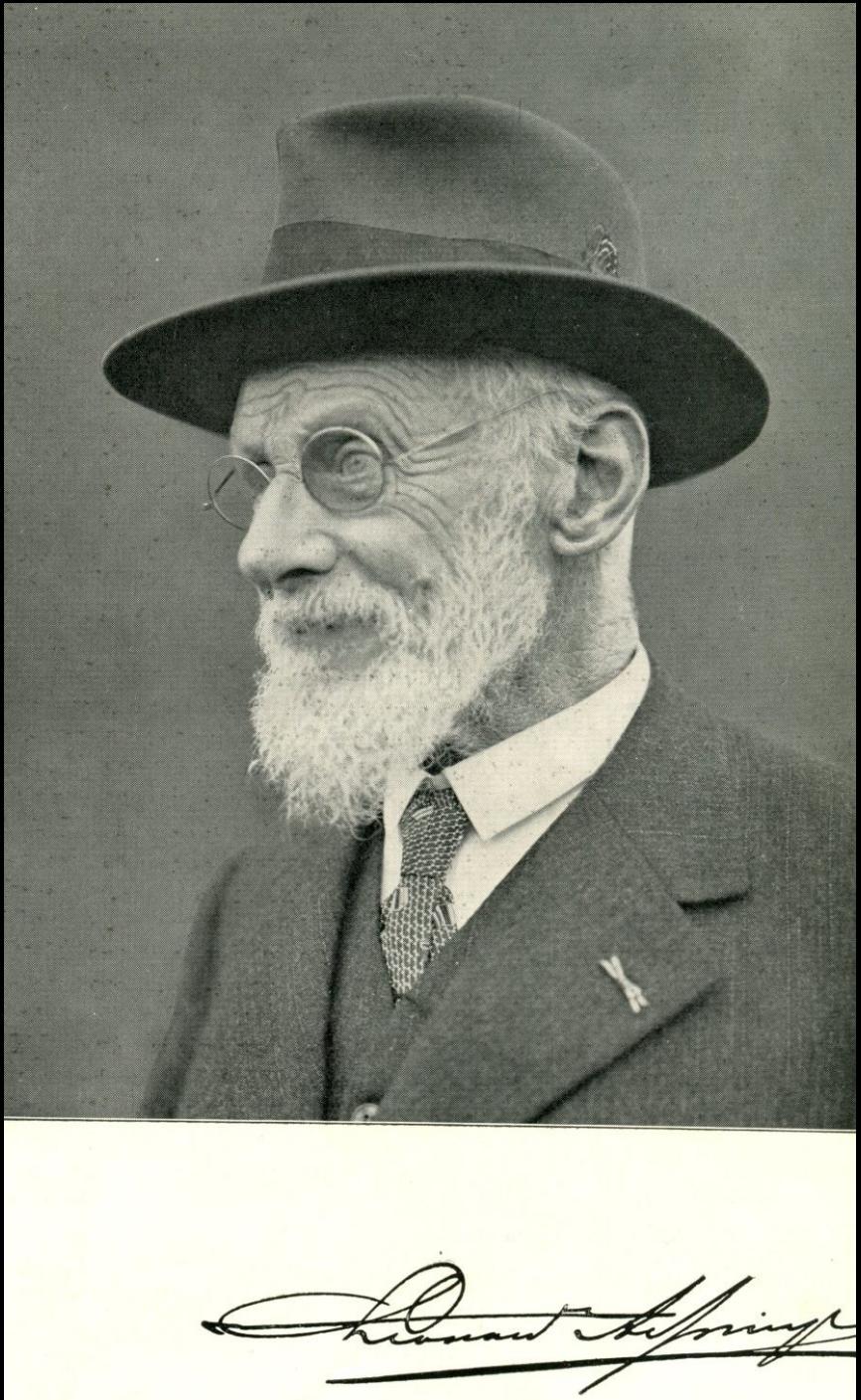
1900 - 1940



Vreewijk, Rotterdam, 1916. (Bron: J. Oudenaarden - *Wandelen door Tuindorp Vreewijk*, 2001)

Leonard A. Springer

1865 - 1940



- Dirk Tersteeg (1876-1943)
- Hugo Poortman (1858-1953)
- Henri Copijn (1842-1923)
- John Bergmans (1892-1980)

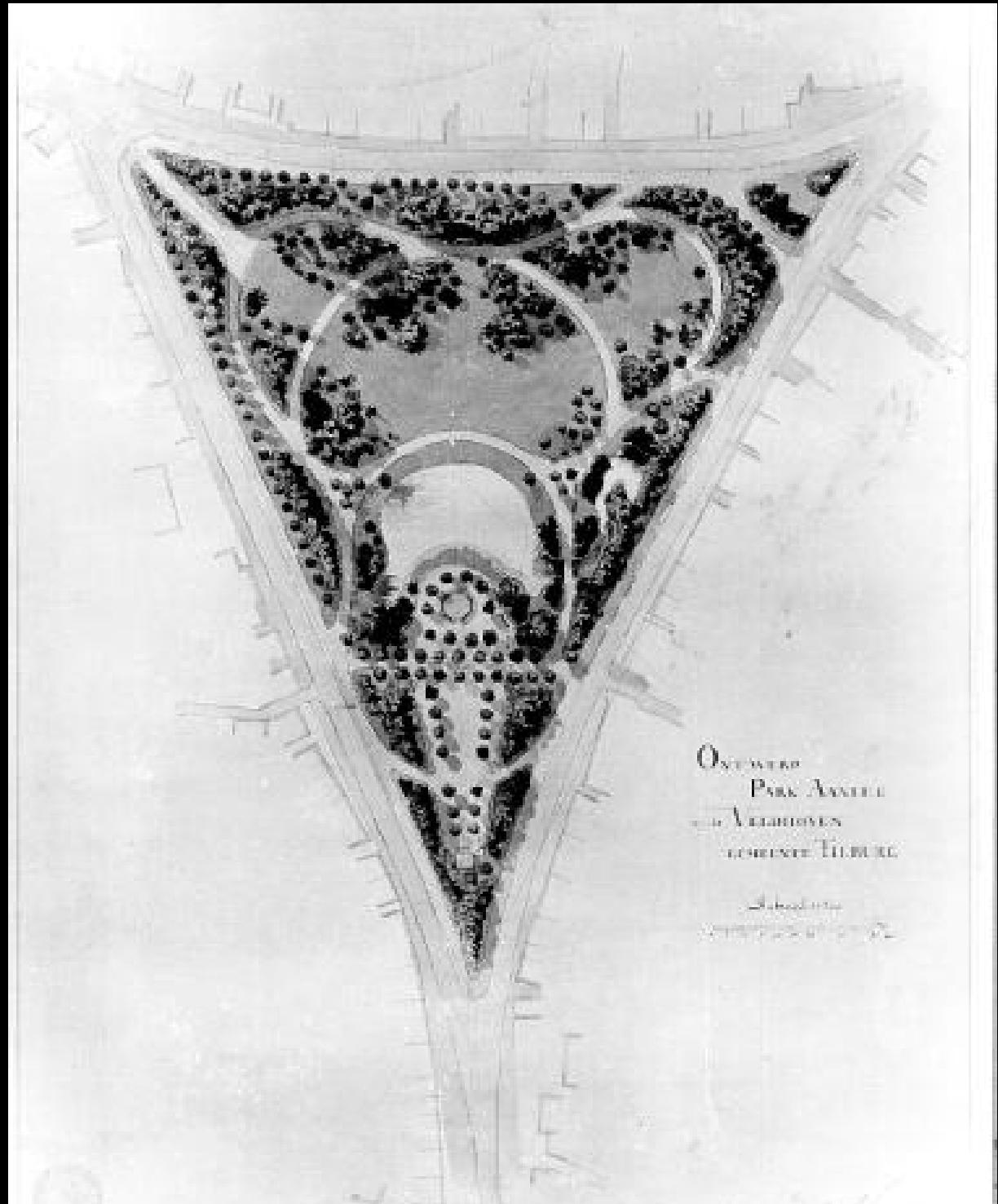
(Source: Springer, *Bibliografisch overzicht van de Nederlandsche tuinkunst*, 1936)



Foundation of the Society of Dutch Garden Architects, 1923

(Source: Constance Moes: *L.A. Springer, tuinarchitect, dendroloog, verzamelaar*, 2002)

Wilhelminapark Tilburg



(Source: Constance Moes: *L.A. Springer, tuinarchitect, dendroloog, verzamelaar, 2002*)



Wilhelminapark, Tilburg, 1898

Photo: J.van Merriënboer



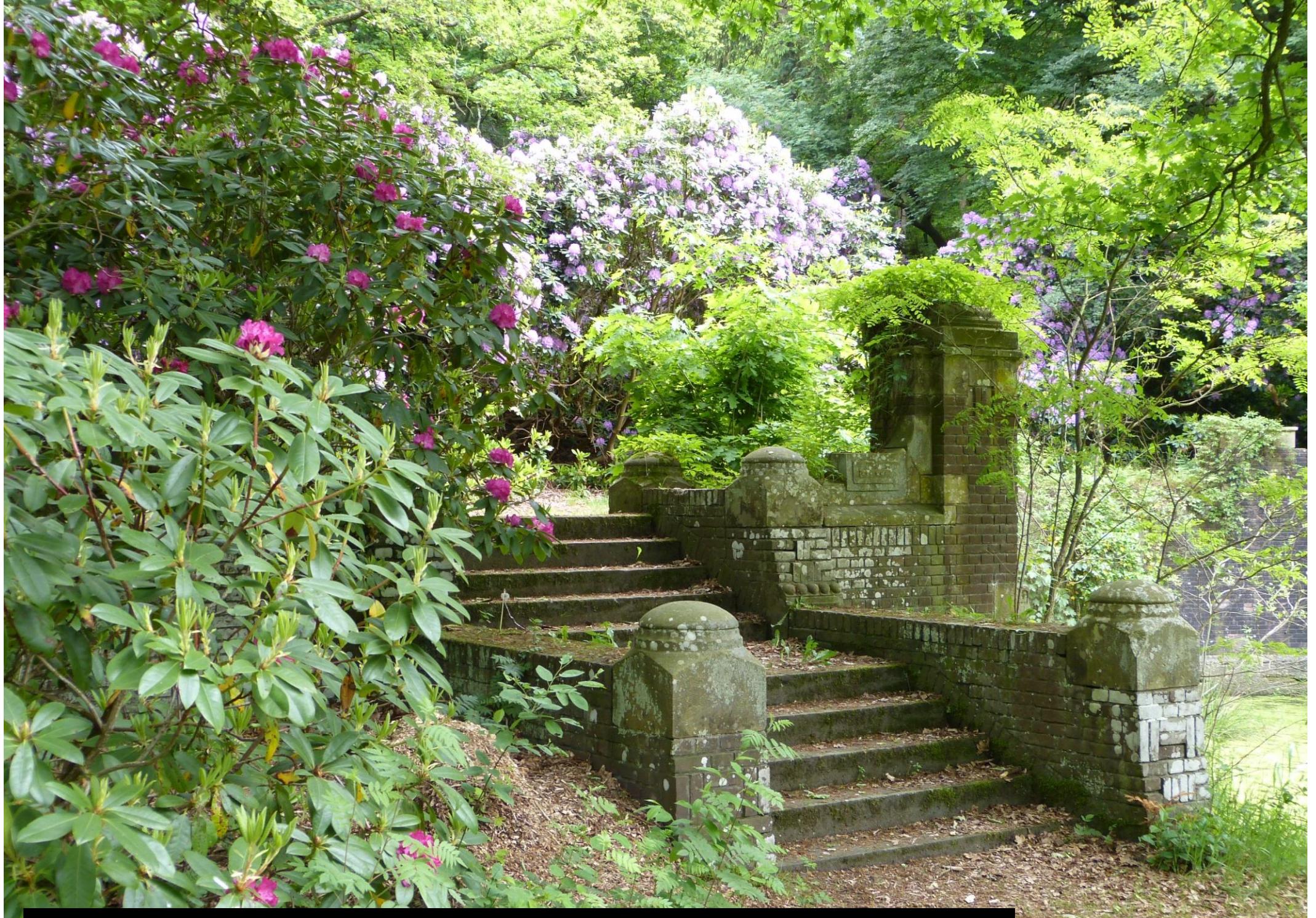
Wilhelminapark, Tilburg, 1898

Photo: J.van Merriënboer



De Hooge Vuursche, Baarn, 1910 (Designed by Dirk Tersteeg 1876-1943)

Photo: J.van Merriënboer



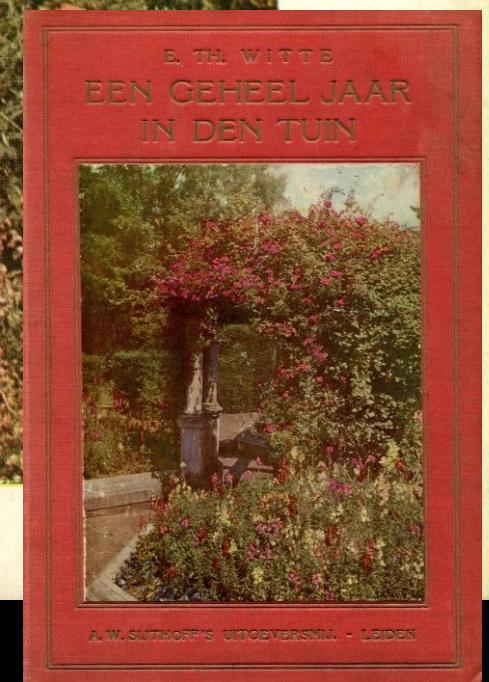
De Hooge Vuursche, Baarn, 1910 (Designed by Dirk Tersteeg 1876-1943)

Photo: J.van Merriënboer



EEN UITNEMEND BEPLANT BOORDBED

(Source: E.Th. Witte, *Een geheel jaar in den tuin*, 1917)



Jac. P. Thijssse (1865 – 1945)



- C.P. Broerse (1902-1995)
- K. Sipkes (1895-1989)
- J. Landwehr (1911-1996)

(Source: Wikipedia)



Plan Jac. P. Thijssenpark, designed by C.P. Broerse

Source: Gerritjan Deunk, *Nederlandse tuin- en landschapsarchitectuur van de 20ste eeuw*, 2002



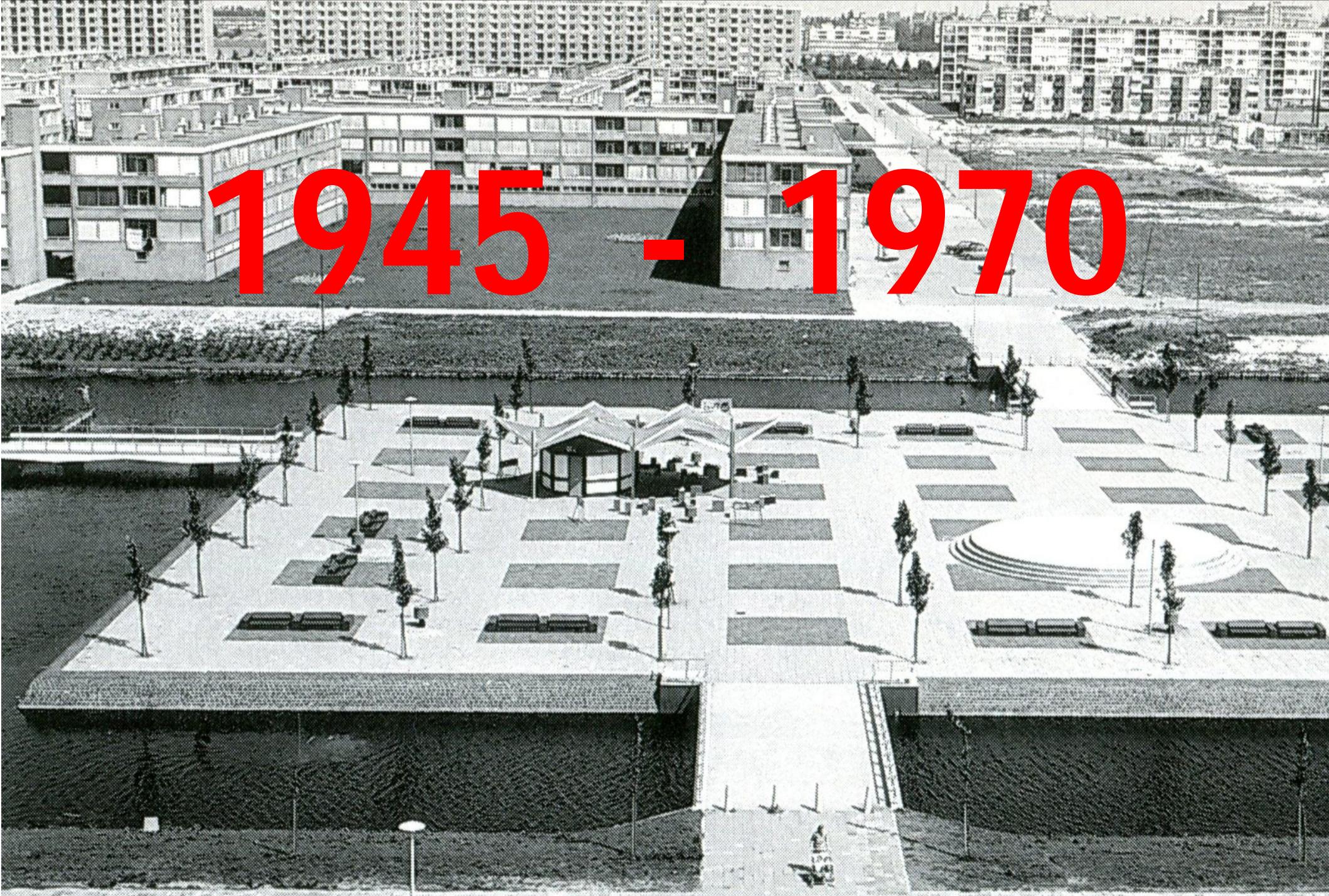
Jac. P. Thijssenpark, designed by C.P. Broerse

Photo: J.van Merriënboer



Jac. P. Thijssenpark, designed by C.P. Broerse

Photo: J.van Merriënboer



1945 - 1970

Plan Gijsbrecht van Aemstelpark, designed by W.C.J. Boer
(Source: Tijdschrift *De Boomkwekerij*, 1963)

Mien Ruys

1904-1999



M. Ruys
1904 - 1999



Hans Warnau
1922 - 1995

- C.I.A.M.
- Modernism
- De 8 en Opbouw
- Functionalism
- Het Nieuwe Bouwen
- De Stijl



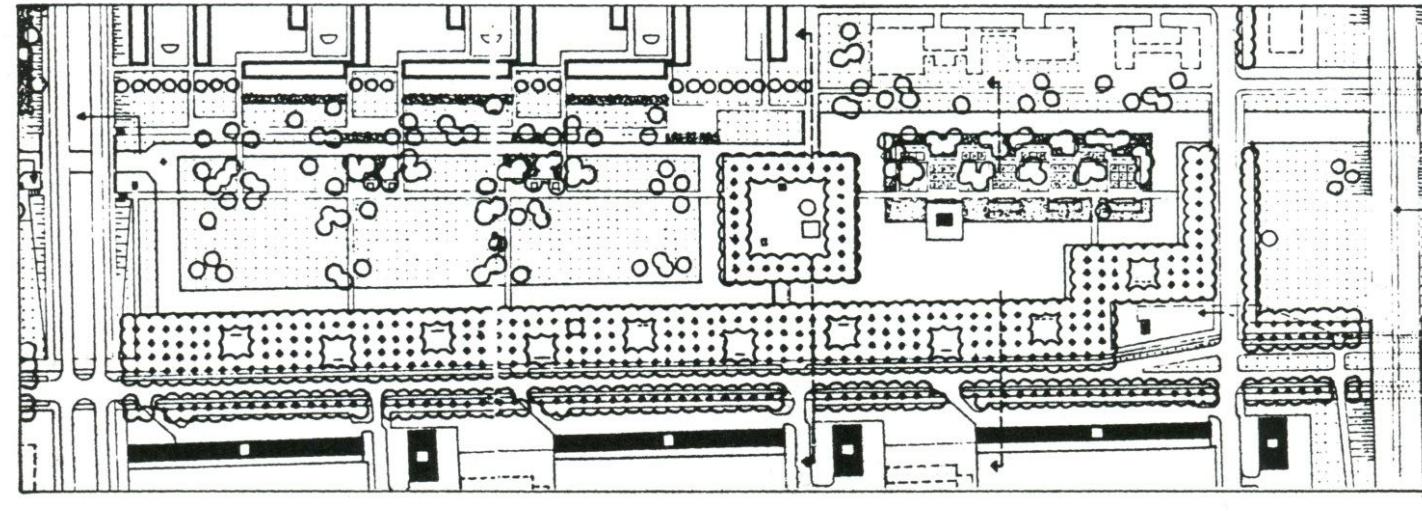
W.C.J. Boer
1922 - 2000



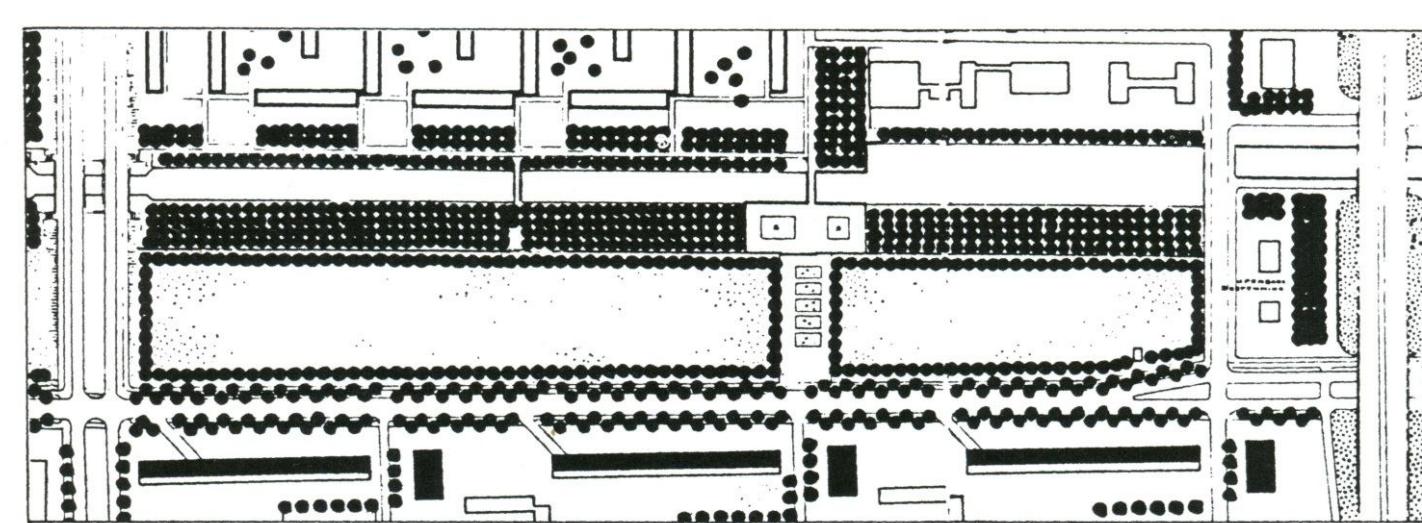
J.T.P. Bijhouwer
1898 - 1974



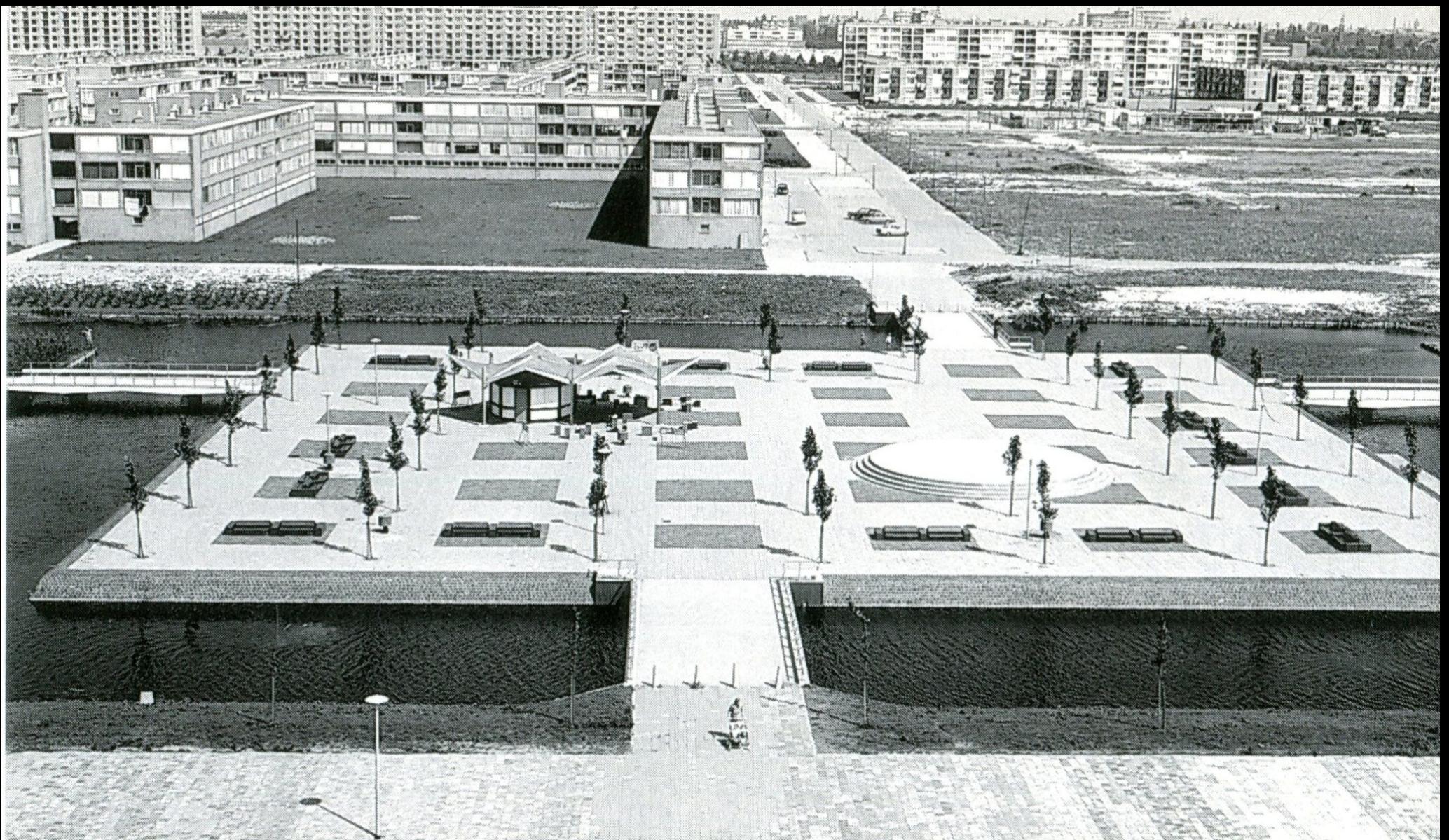
Nagele, N.O.Polder. (Source: Coen van der Wal, *Dorpen in de IJsselmeerpolders*, 1986)



Plan Gijsbrecht van Aemstelpark, designed by W.C.J. Boer



Plan Gijsbrecht van Aemstelpark, designed by H. Warnau



Plan Gijsbrecht van Aemstelpark, designed by W.C.J. Boer
(Source: Tijdschrift *De Boomkwekerij*, 1963.)



Gijsbrecht van Aemstelpark, designed by W.C.J. Boer

Photo: J.van Merriënboer



Amsterdam Noord - Mien Ruys

Photo Bureau Mien Ruys



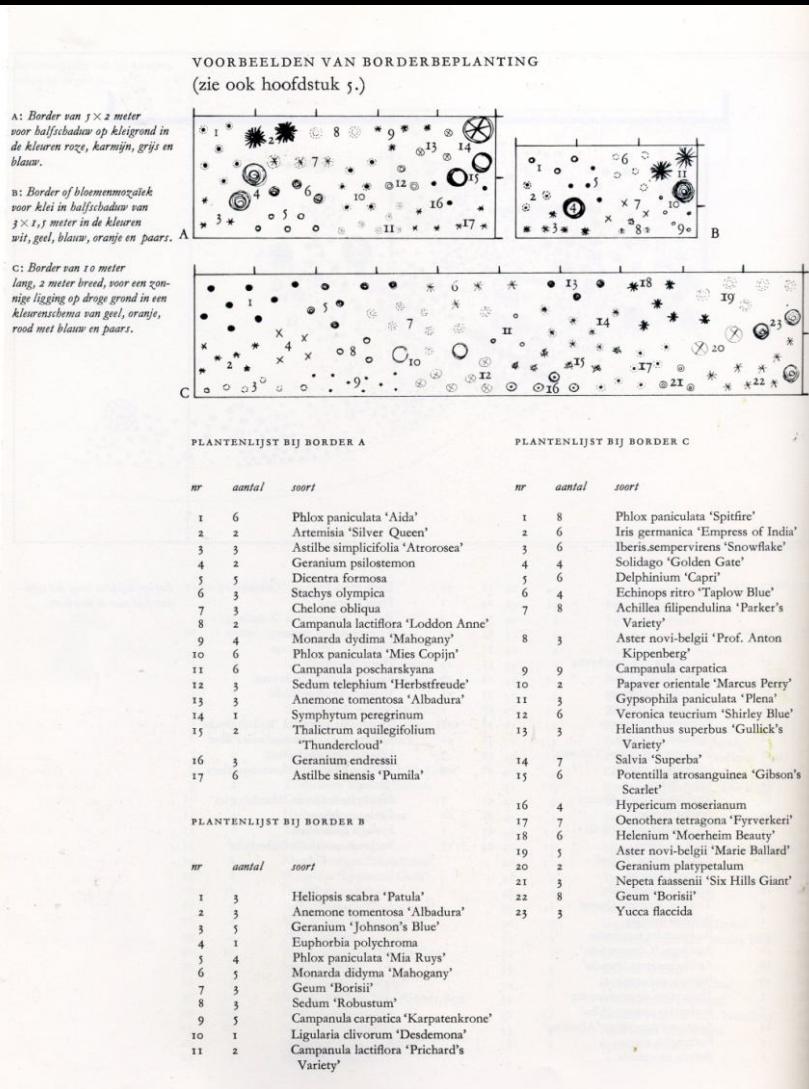
Amsterdam Noord - Mien Ruys

Photo: Bureau Mien Ruys



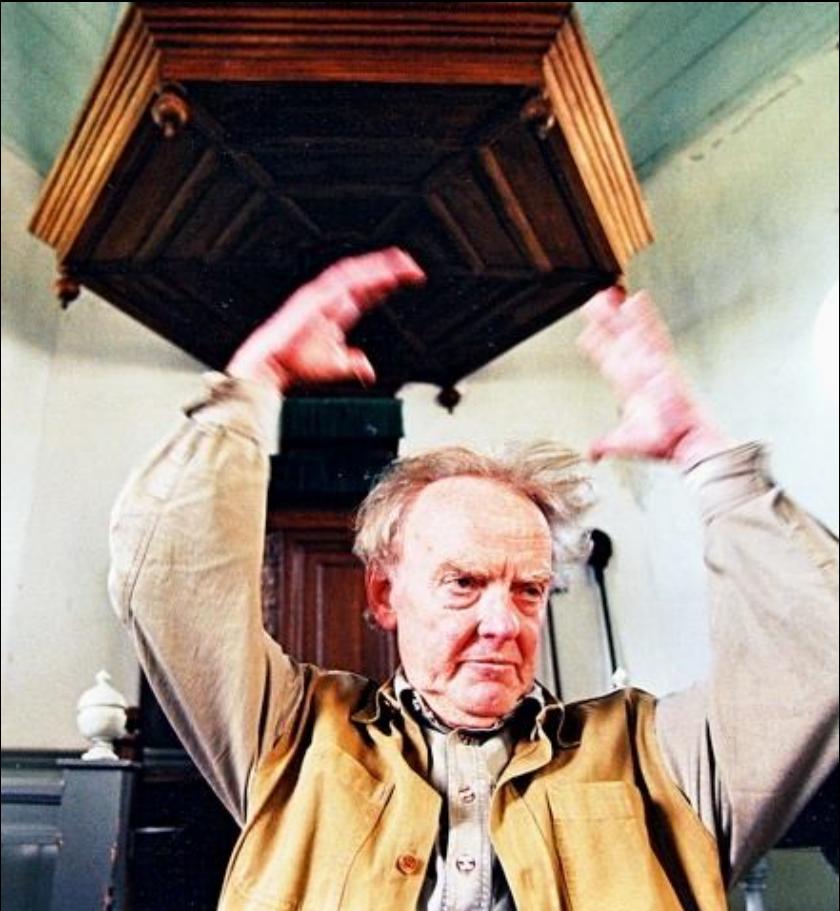
Photo: Bureau Mien Ruys

Mien Ruys – example planting scheme



1970 - 1985

Louis G. Leroy (1924 – 2012)



- Gerard Davidse (1932-2012)
- Ger Londo

Source:Wikipedia



Source: L. G. Le Roy, Natuur inschakelen, natuur uitschakelen



Photo: J.van Merriënboer



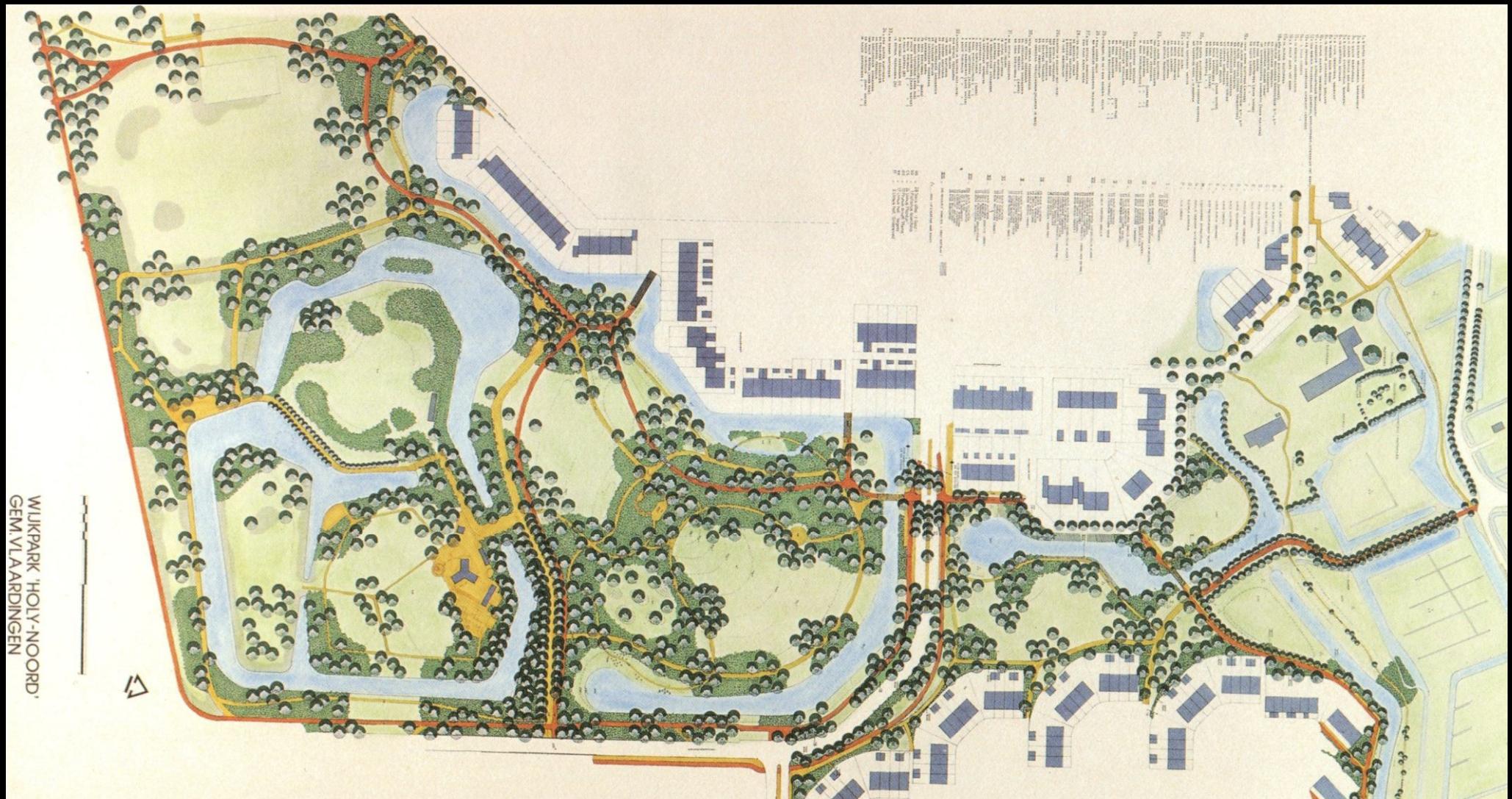
Photo: J.van Merriënboer



Photo: J.van Merriënboer



Source : Eolkathedraal



Wijkpark Holy-Noord in Vlaardingen (Designed by Gerard Davidse)

Source: G.J. Deunk (2002)



(Designed by Ger Londo, source Photo G. Londo, 2011)

1985 - now

West 8



[Adriaan Geuze](#)
[Edzo Bindels](#)
[Martin Biewenga](#)

[Adriaan Geuze](#)
[Jamie Maslyn Larson](#)

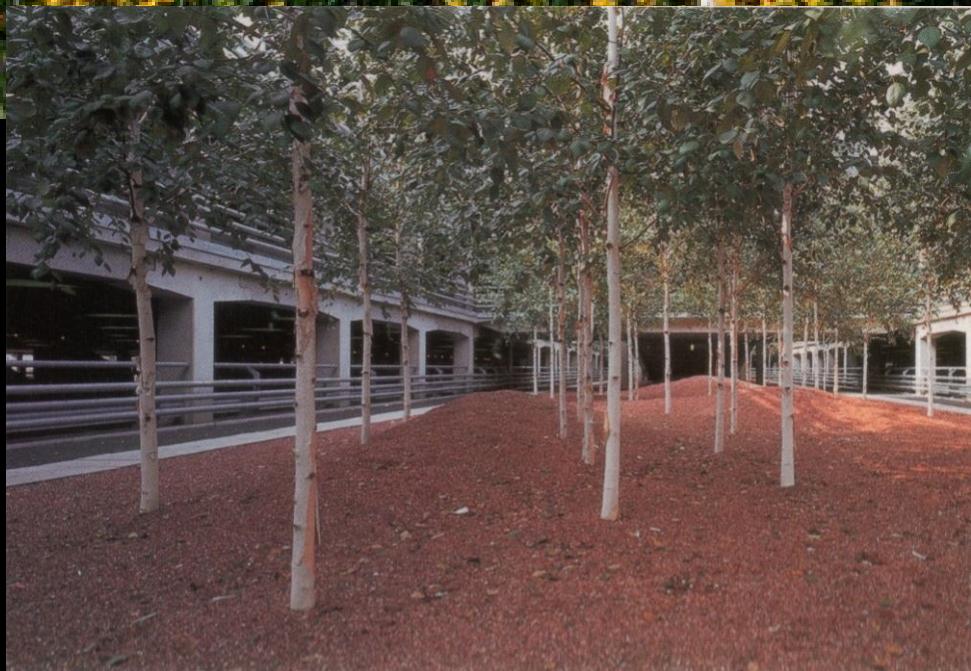
[Maarten van de Voorde](#)

West 8





West 8



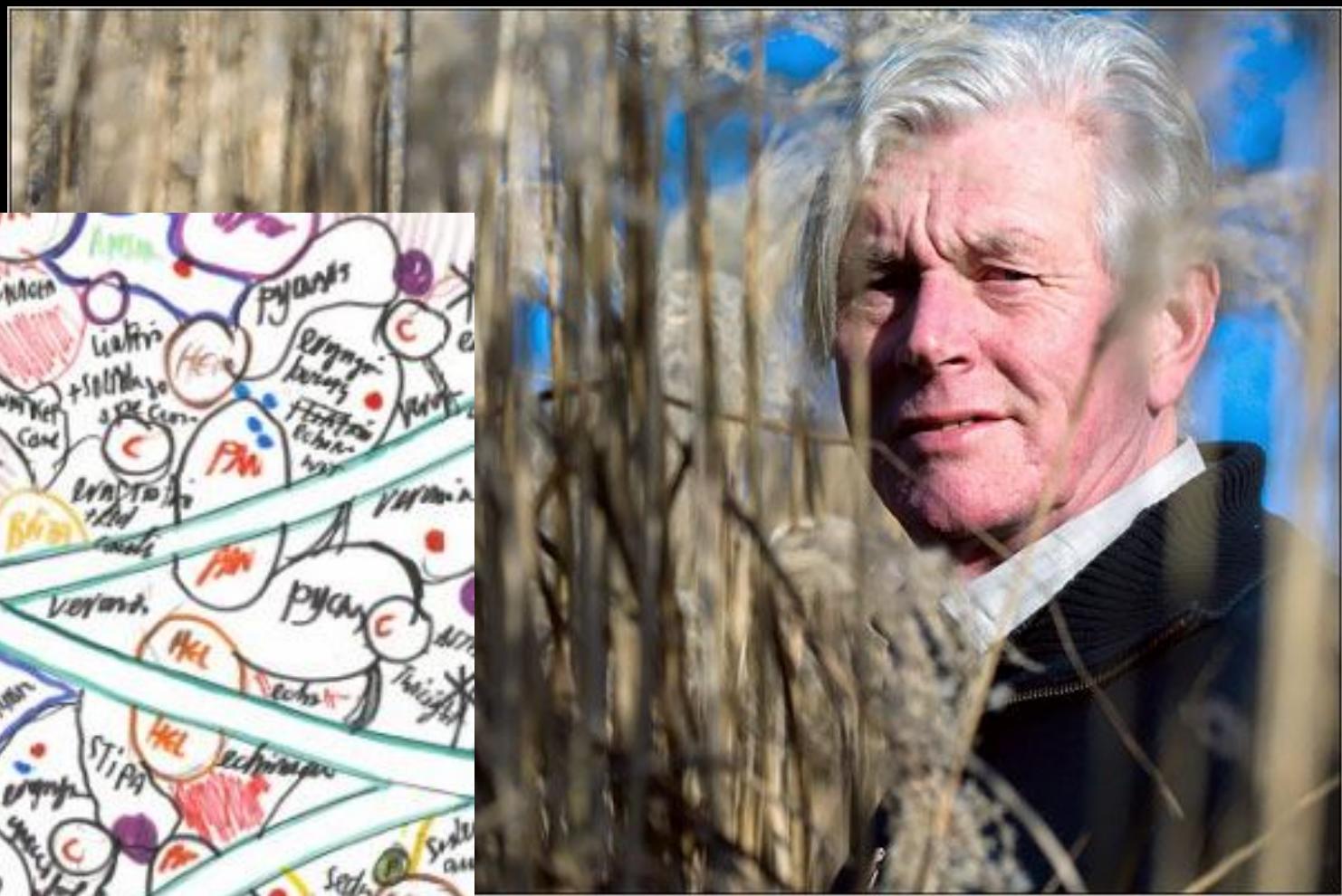
Marinus Boezem (Almere)





Zus (Brussel)

Piet Oudolf



Piet Oudolf



Piet Oudolf – nursery in Hummelo



Piet Oudolf – garden in Hummelo



Piet Oudolf – garden in Hummelo

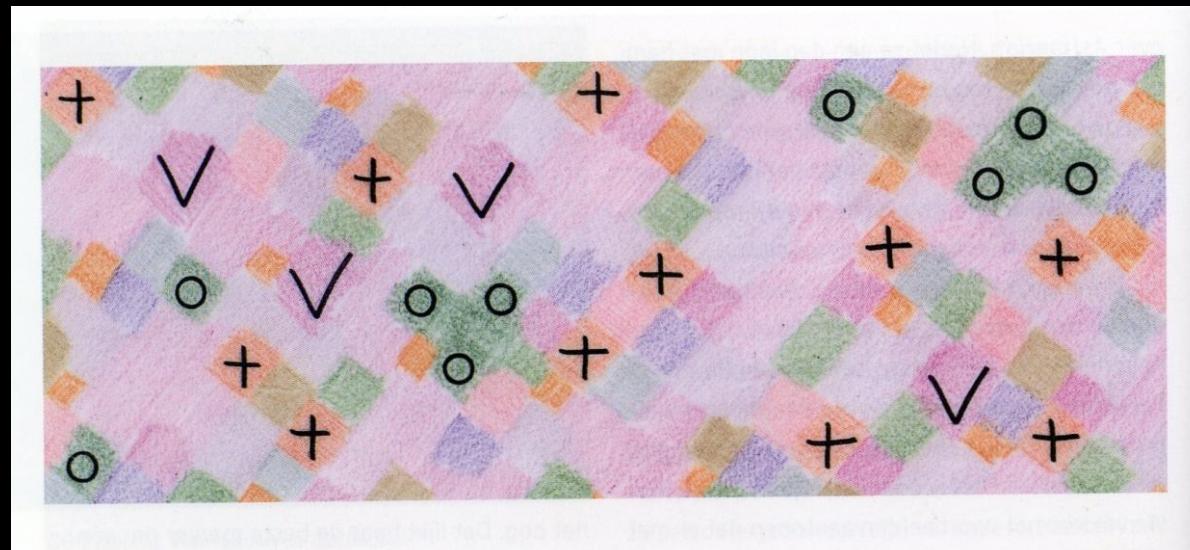
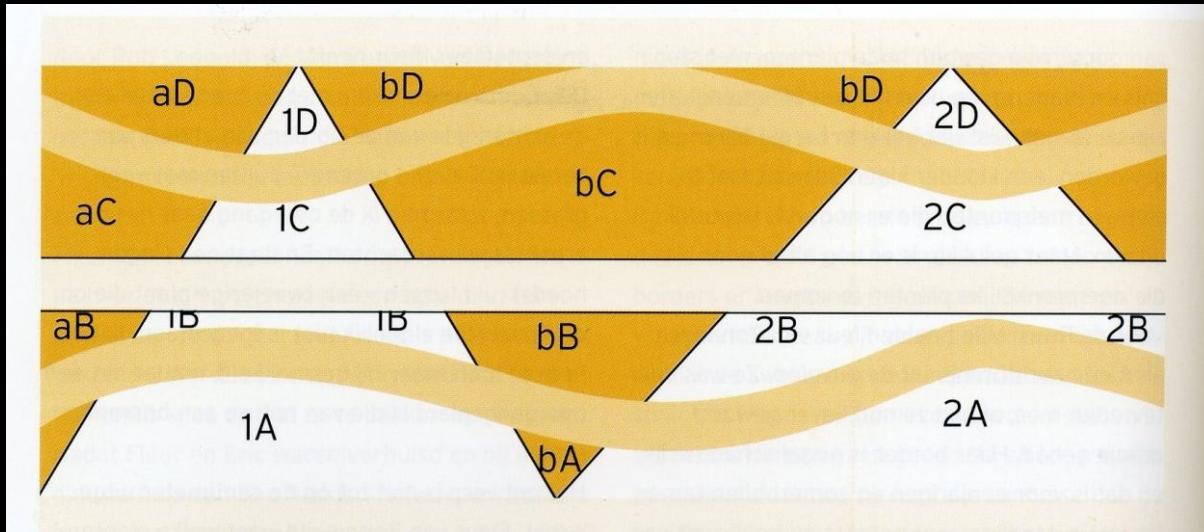


Piet Oudolf – garden in Hummelo

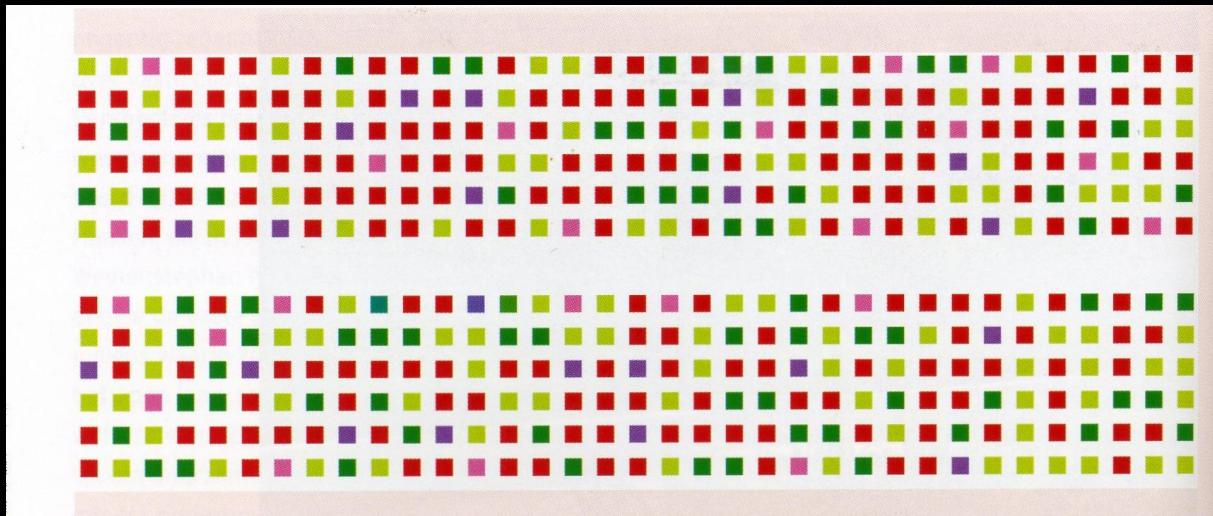


Jaqueline van der Kloet

Mixing plants (Royal Mile Apeldoorn - 2008)



Principles for mixing



Lageschaar nurseries – instant planting system

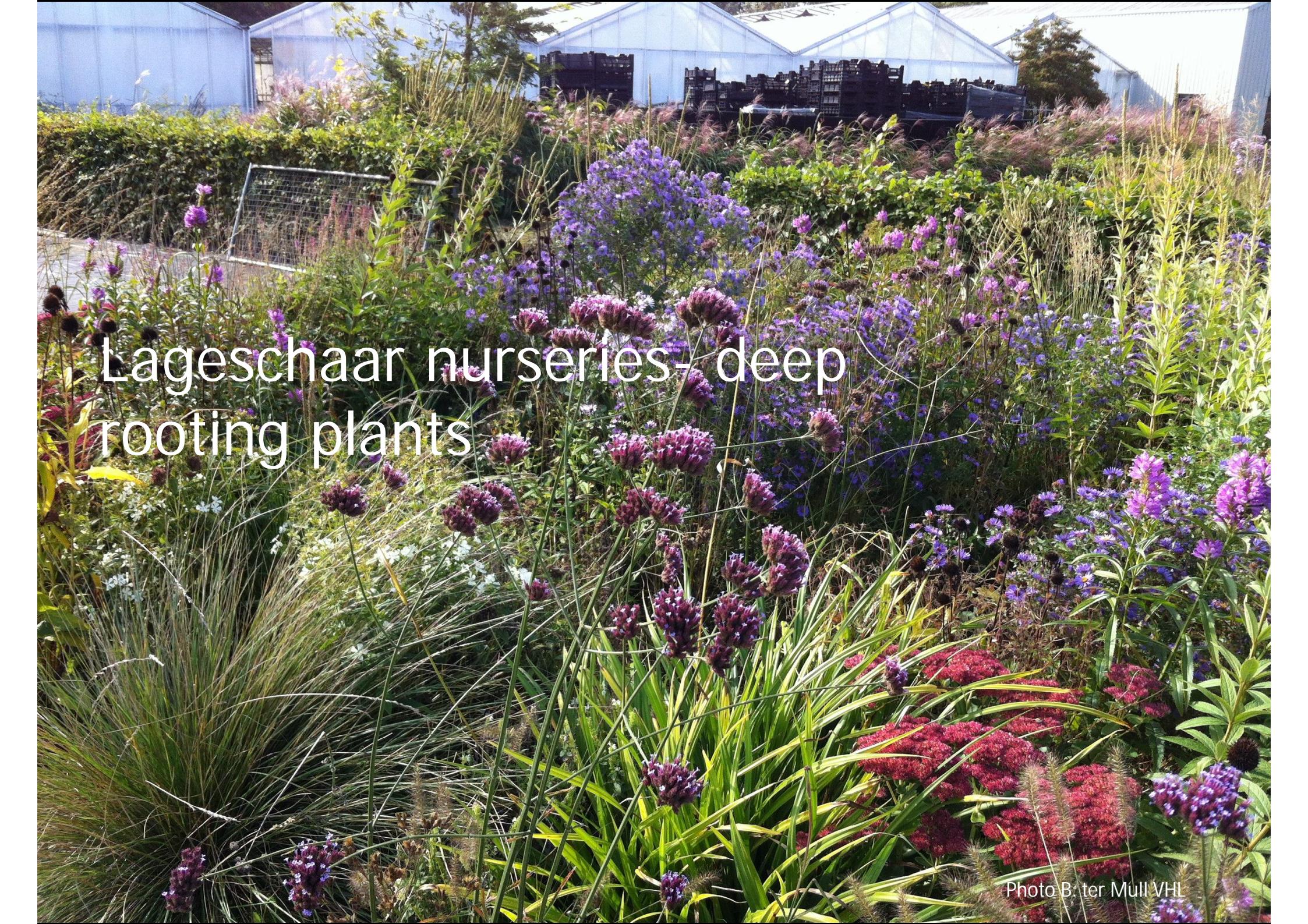


Basalt split layer 8 cm



Design Museum Garden Nairac, Barneveld – DG Groep, Boskoop

Photo J. de Vries DG Groep



Lageschaar nurseries- deep rooting plants

Photo B. ter Mull VHL

Conclusions approaches

- English landscape style
- Dutch form of Arts & Crafts: architectonical
- Naturalism - Heemparks
- Modernism - Functionalism
- Ecological process – LeRoy - Londo
- Conceptual landscape architecture –
structures, tapestries , patterns, form-concepts

Questions & answers



Nepeta 'Grol' + Allium 'Purple Sensation'

Two case studies

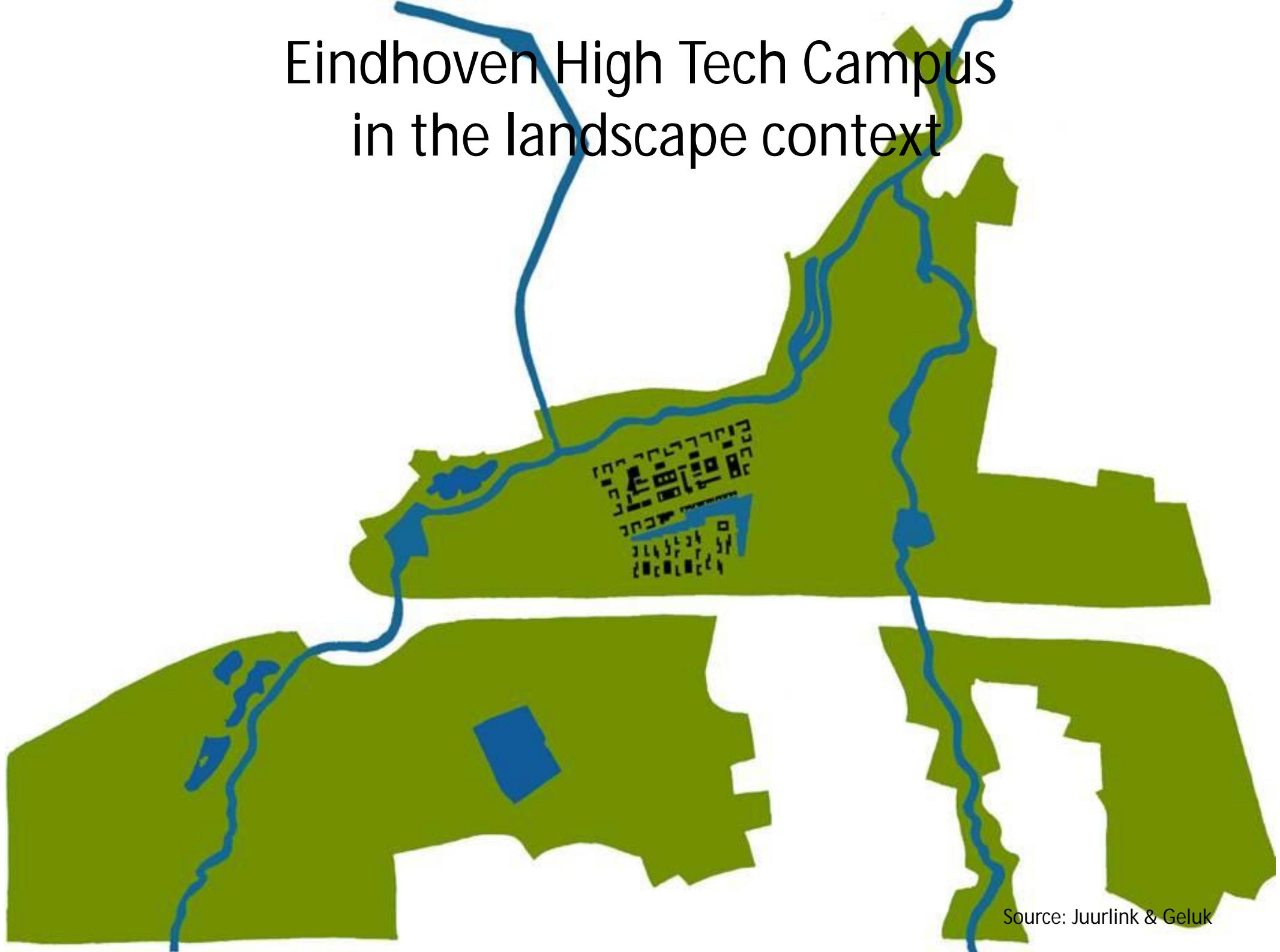
- Eindhoven High Tech Campus
Juurlink & Geluk & DG Groep
- Stadhoudersplantsoen Den Haag
CH Partners & DG Groep

Eindhoven High Tech Campus

1998- 2009

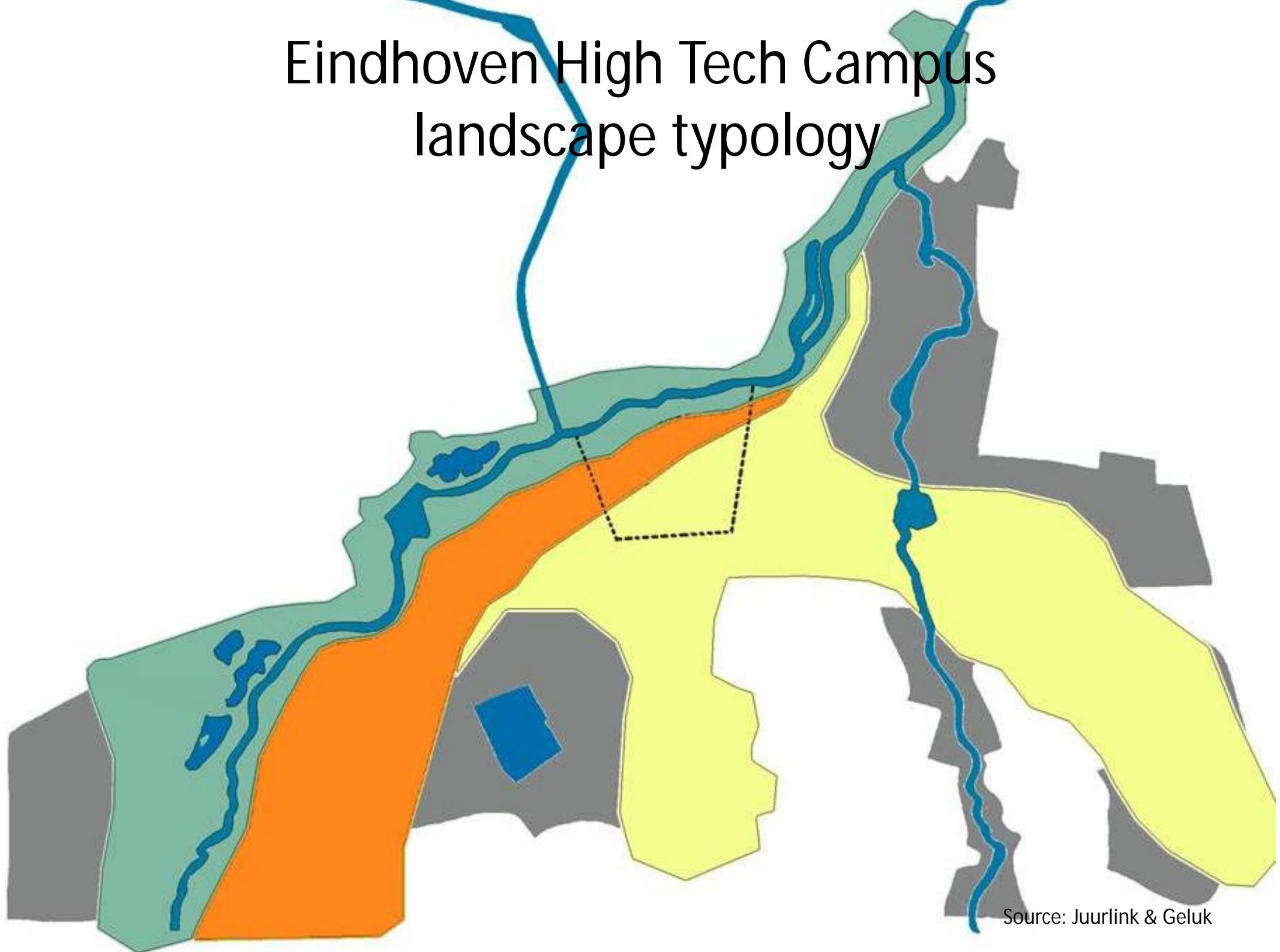
- High ambition of ecology
- Ecological zone along the river Dommel
- Application of planting design with patterns of species based on former and actual type of landscape

Eindhoven High Tech Campus in the landscape context



Source: Juurlink & Geluk

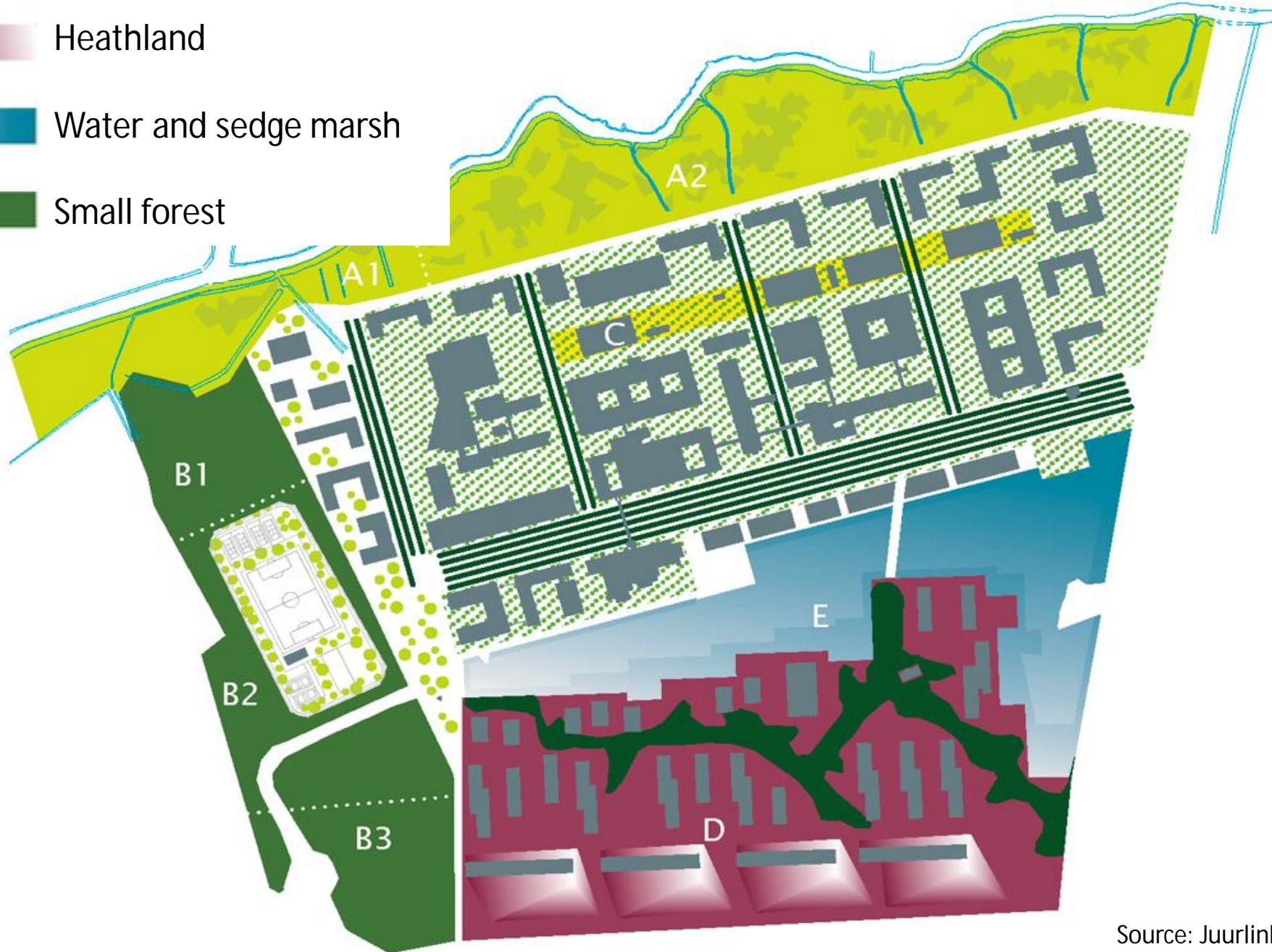
Eindhoven High Tech Campus landscape typology



Source: Juurlink & Geluk

Landschap

-  Transparant woodland
-  River valley
-  Heathland
-  Water and sedge marsh
-  Small forest



Source: Juurlink & Geluk



Transparent woodland

Betula pendula





Water and marsh

Carex
Myrica gale
Spontaneous development



Source: Juurlink & Geluk



Water and marsh

Photo: J. de Vries



Heathland

Calluna vulgaris
Erica tetralix
Spontaneous development



Photo: J. de Vries

Heathland Spontaneous development



Photo: J. de Vries

Heathland

t



Photo: J. de Vries

River valley

*Based on the potential natural vegetation:
*Alnus glutinosa, Salix caprea, Fraxinus excelsior, etc**

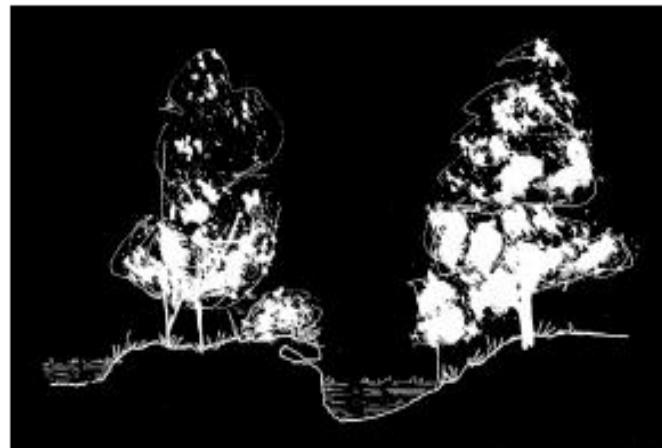


Photo: J. de Vries

River valley



Uitwerkingsdetail Dommelvallei (profiel en plattegrond)



Profiel poelen in Dommelvallei



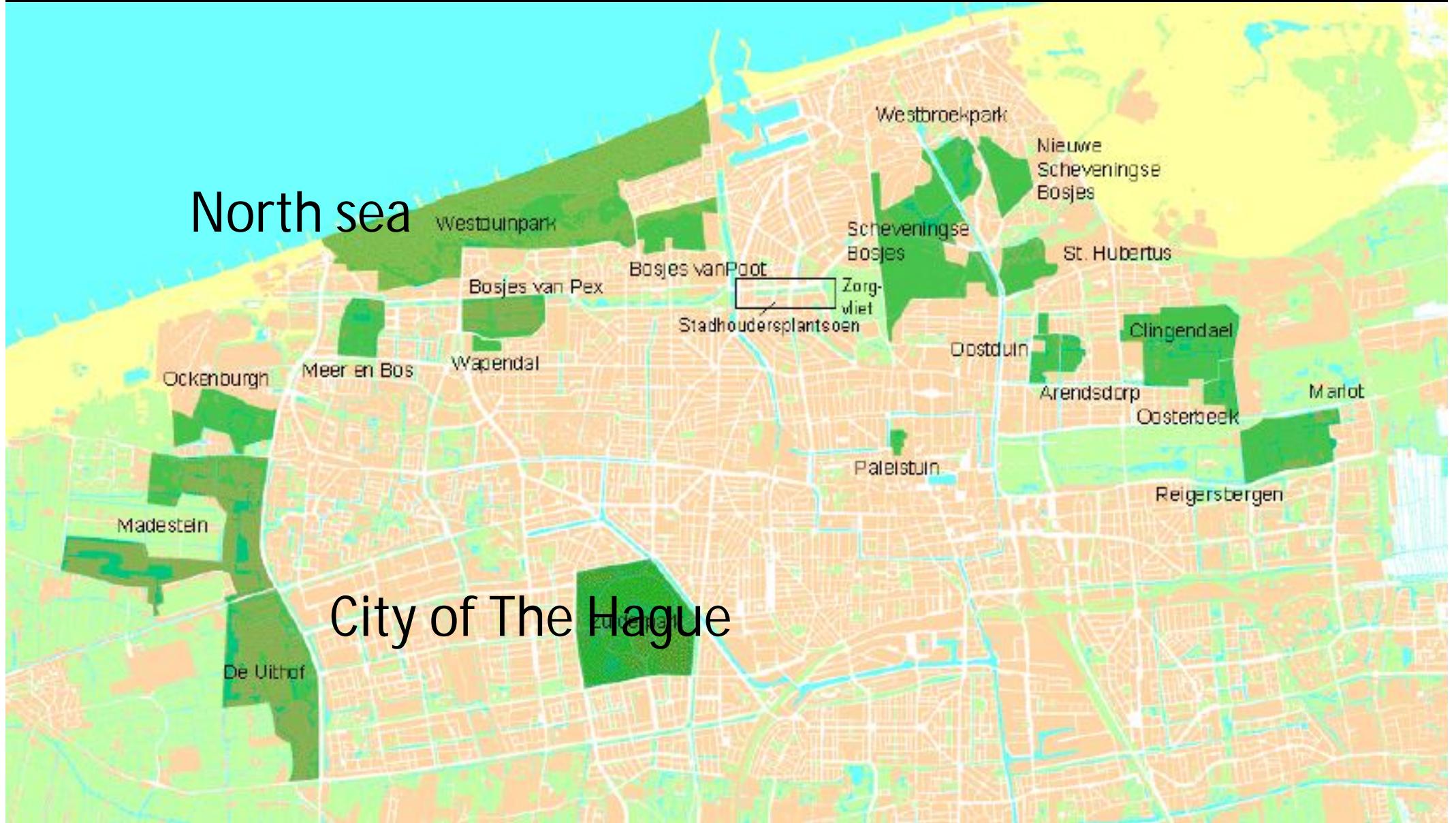
Profiel struweel in Dommelvallei



De campus als achterkant van de Dommelvallei

Source: Juurink & Geluk

Example Stadhoudersplantsoen The Hague (CH Partners, DG Groep)



Example Stadhoudersplantsoen The Hague (CH Partners, DG Groep)

- Making “dining rooms” for butterflies and wild bees
- Adding native shrubs / trees for birds
- Connectivity along water: tall herbs and marsh plants

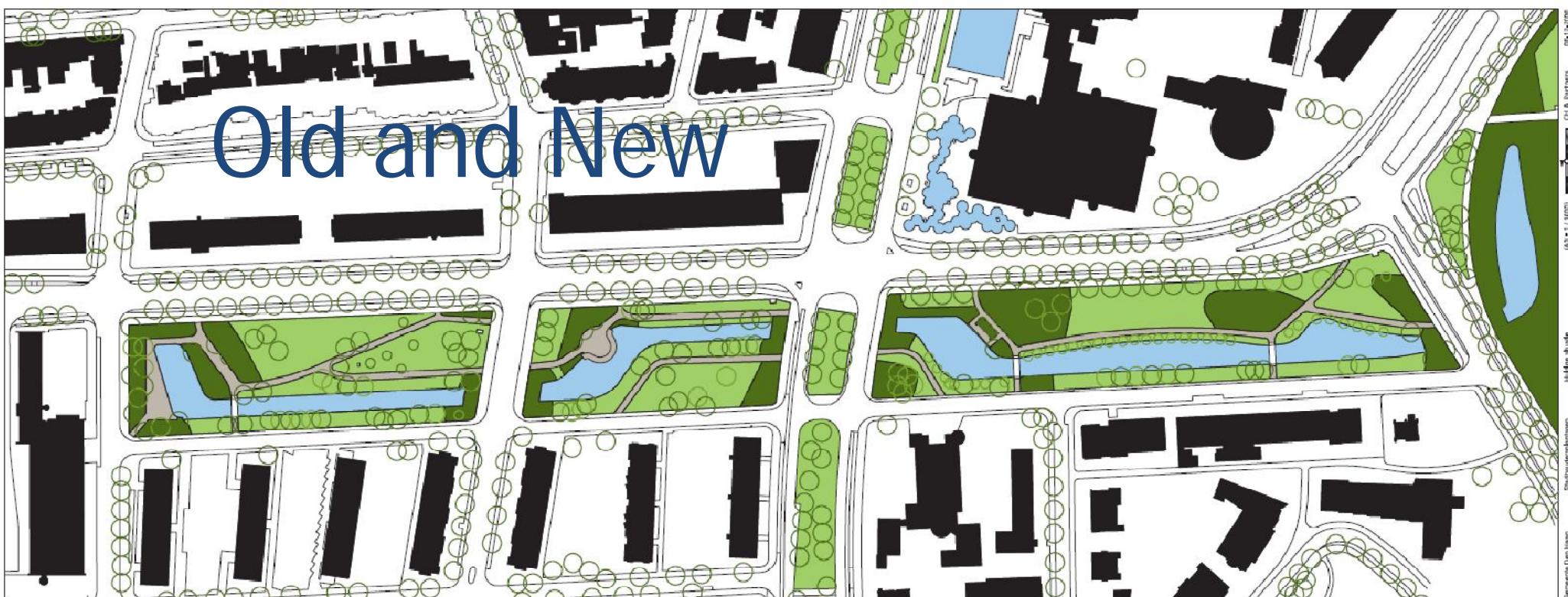
Existing



Design



Old and New



Drawing: CH Partners

electing nectar & hosting plants for butterflies, dragonflies, forest birds

Rich flowering perennials with accent plants

Nepeta faassenii, *Salvia pratensis*, *Stachys byzanticum*, *Valeriana officinalis*, *Ocimum basilicum piperitum*, *Solidago*, *Malva moschata*

Groundcovers with solitary shrubs with berries

Vinca major, *Hedera helix* met *Ribes rubrum*, *Ribes nigrum*, *Hippophae rhamnoides*, *Rosa villosa*, *Rosa canina*, *Mahonia aquifolium*

Groundcovers in semi shade

Symphytum officinale, *Aquilegia* sp, *Aruncus dioicus*, *Alliaria petiolaris*

Annuals

Anethum graveolens, *Calendula officinalis*, *Cosmos bipinnatus*,
Helianthus annuus, *Matricaria recutita*, *Impatiens parviflora*, *Borago officinalis* *Sinapis arvensis*, *Silene conica*



Old situation 2006

Photos: J. de Vries

New situation 2011



Photo: J. de Vries

New situation



Photo: J. de Vries

New situation



Photo: J. de Vries

New situation



Photo: J. de Vries

Conclusions perspective on Dutch planting design

- Different approaches in the Dutch tradition of planting design
- Plant oriented and architectural oriented
- Nature oriented versus form concepts
- Landscape patterns versus organised planting schemes with form compositions
- Static composition versus dynamic process
- Nature experience versus ecological design

Literature:

Cooper, Paul. 'The new tech Garden'. Octopus publishing London. isbn 1840003375

Deunk, G.J., 2006. Nederlandse tuin- en landschapsarchitectuur van de 20^e eeuw, Nai Uitgevers, Rotterdam. isbn 90-5662-242-0

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Questions & answers



Symphytum 'Wisley Blue' -ground cover +
summer flowering Allium sphaerocephalon

Thanks for your attention



Heuchera - Allium