

Nieuwland Amersfoort: lessons learned

[zurück](#)

Needed:

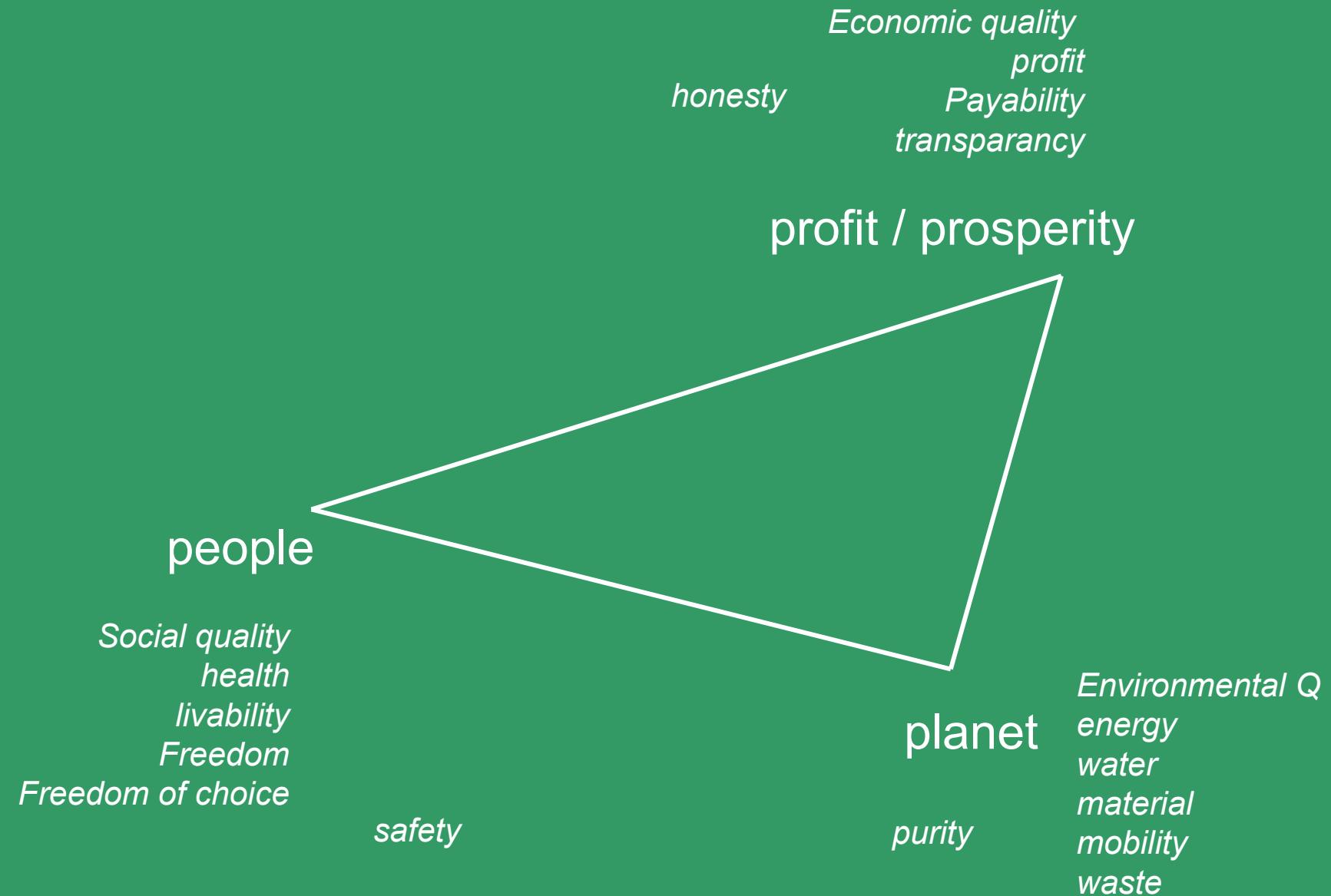
- View
building & sustainable development
- Interdisciplinairy cooperation
z.b.: from 3 supervisors to 1 quality team
maximazation method for urban plans

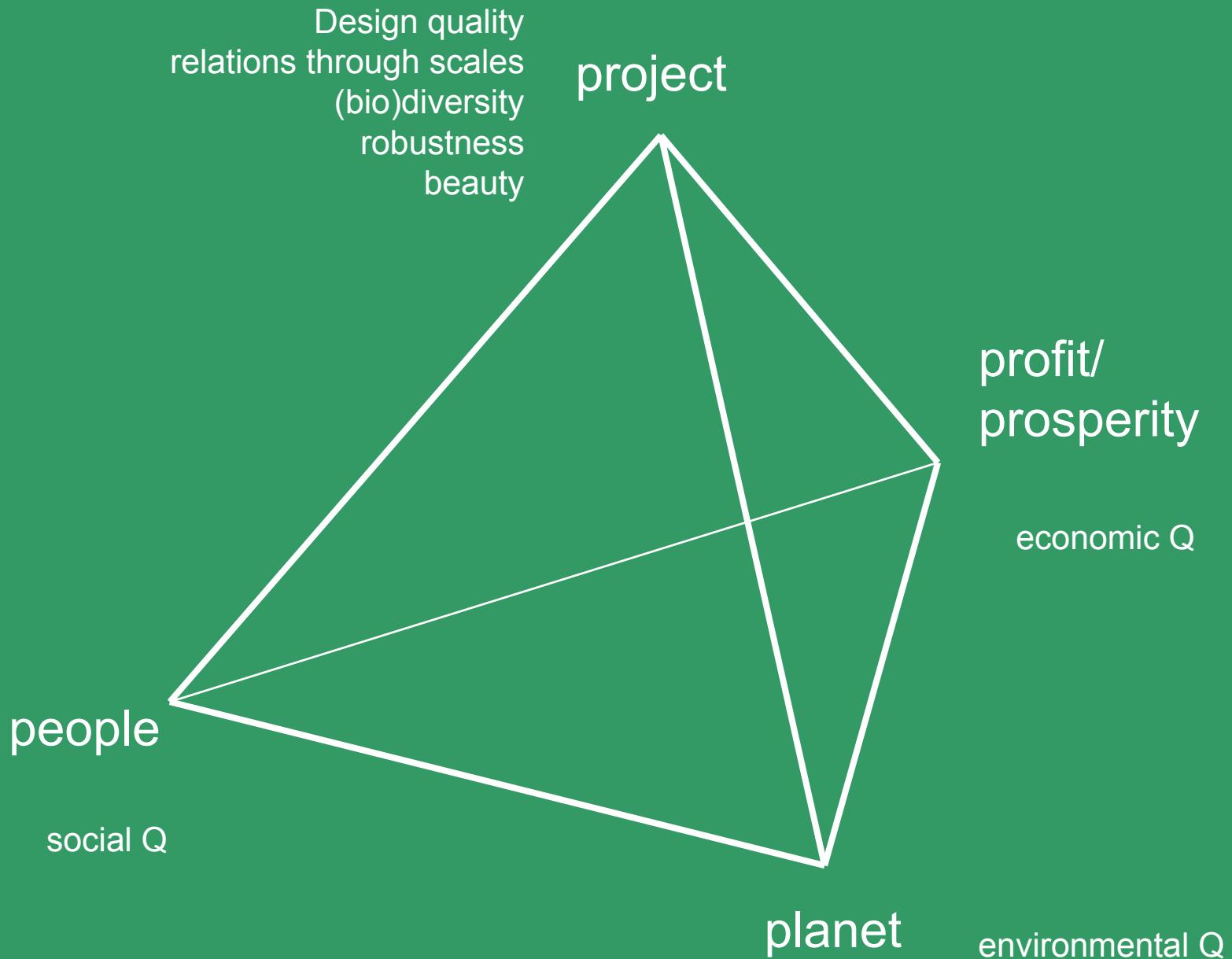
Sustainable

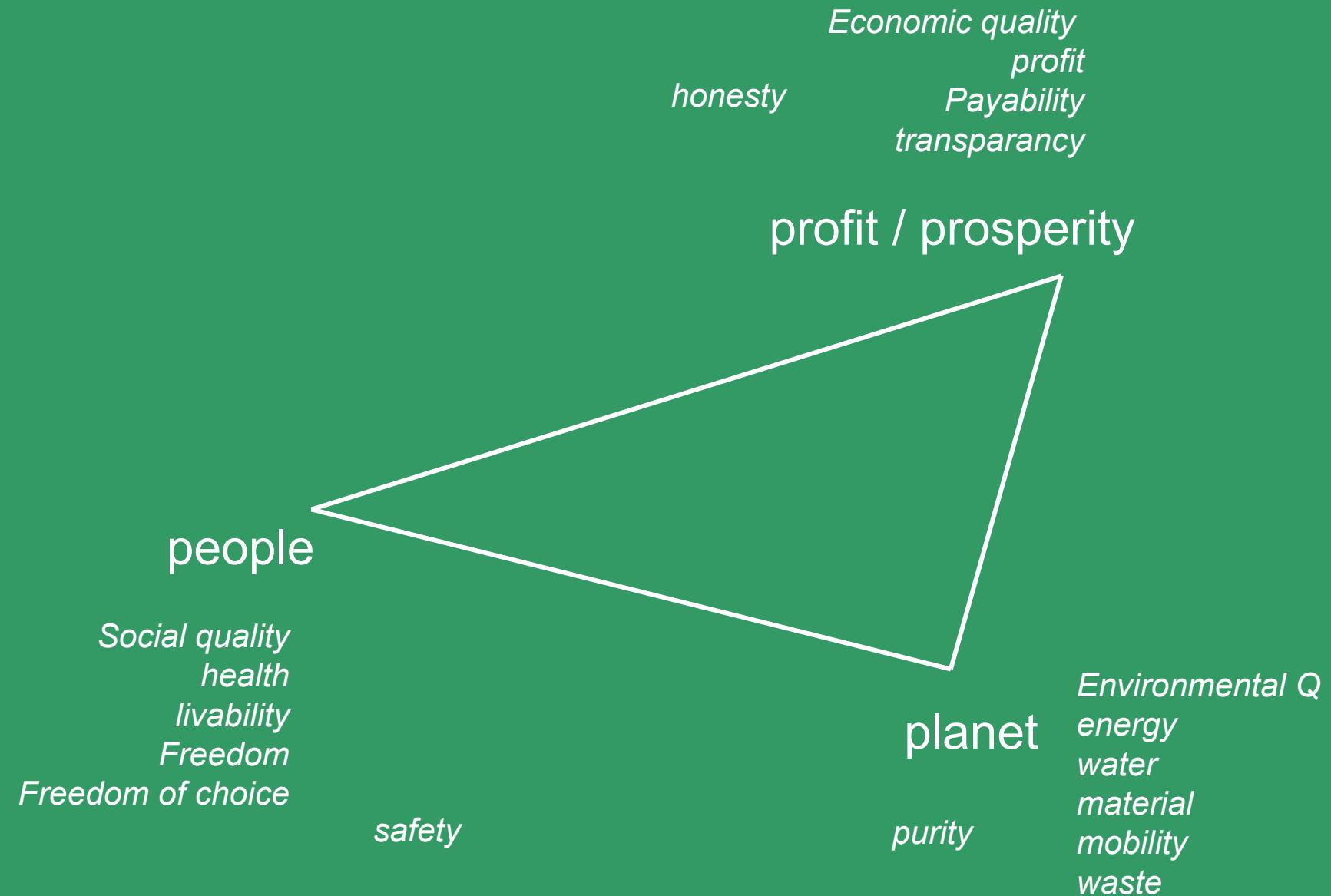
- Sustainable building
comes from:
Sustainable Development (Brundtland)

Sustainable development

- According to the Brundtland report sustainable development is “a development where the needs of the present generation are met, without the possibilities of the future generations being declined”









As seen from outside

For some people
it is hard to get used to
transparency



As seen from outside



As seen from inside

Sustainable building

- Sustainable building is building in such a way that the present needs are met without the possibilities of other people and future generations being restricted.

Sustainable versus Durable Nachhaltig versus Dauerhaft

Sustainable
Environment conscious
▪ Solar energy
▪ Renewable materials

pm: Enduring freedom

German: Nachhaltig

In Dutch:
“duurzaam” is
both sustainable
and durable

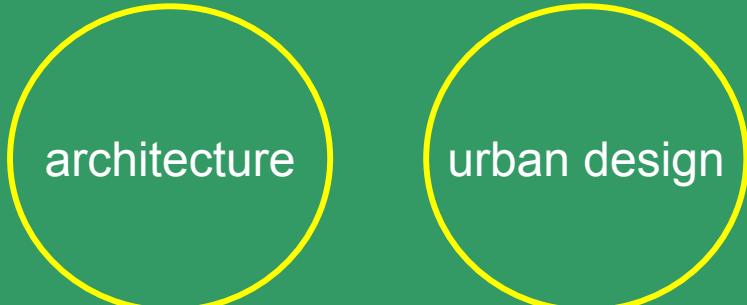
Durable
Long life span
▪ PVC
▪ Galvanized steel
▪ Preserved wood
▪ (Lead)
▪ (CFK's)
▪ (Asbestos)
▪ Etc.

The diagram illustrates the relationship between three concepts: Sustainable, Durable, and the Dutch concept of 'duurzaam'. In the center is the text 'In Dutch: "duurzaam" is both sustainable and durable'. To the left, under 'Sustainable', there is a list of environment-conscious practices. To the right, under 'Durable', there is a list of materials and products. A double-headed horizontal arrow connects the two outer concepts. Two single-headed arrows point from the central text towards the 'Sustainable' and 'Durable' sections, indicating that 'duurzaam' encompasses both.

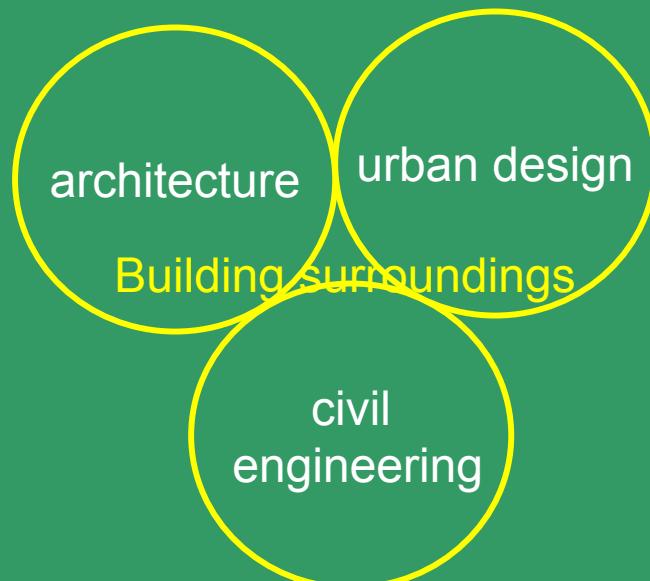
German: Dauerhaft

Co-operation

Mono-disciplinary



Multi-disciplinary





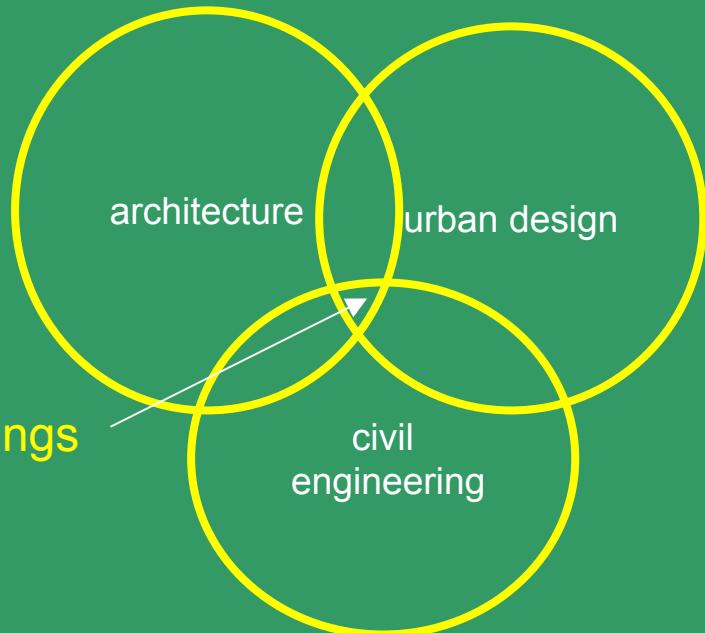
90-78



Needed

Inter-disciplinary co-operation

Building surroundings

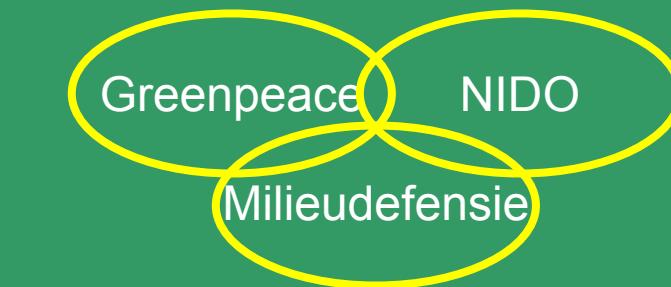




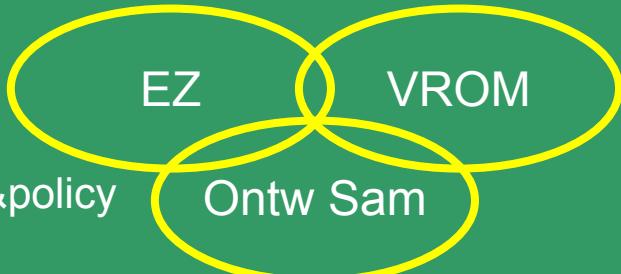
Transdisciplinairy coorperation

Transdisciplinairy
coorperation z.b.
FSC THW

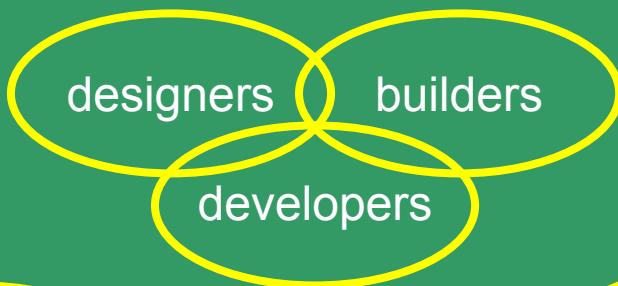
NGO's



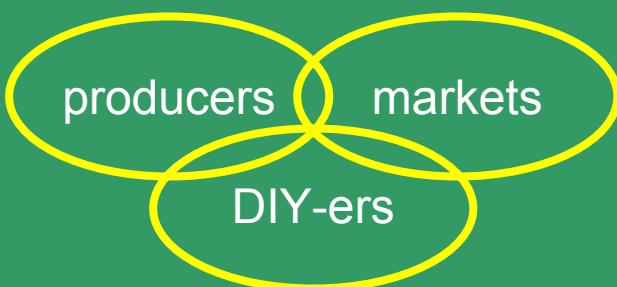
government & policy



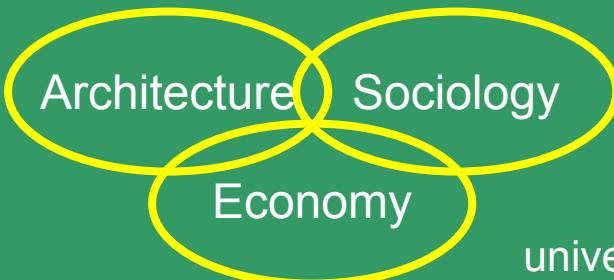
Building professionals

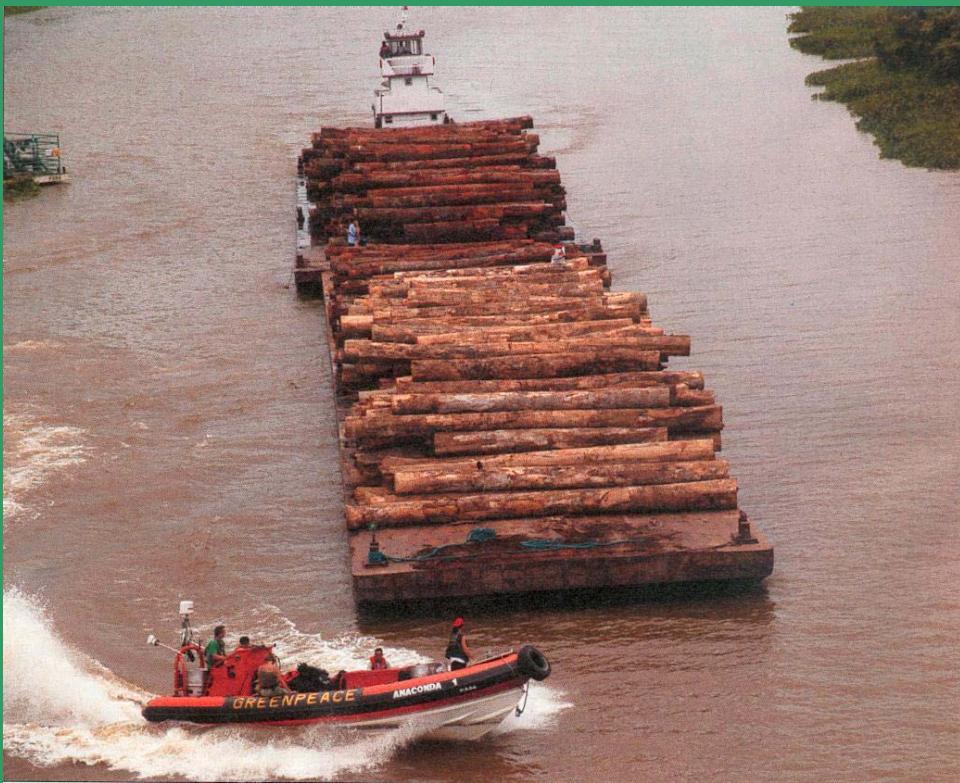
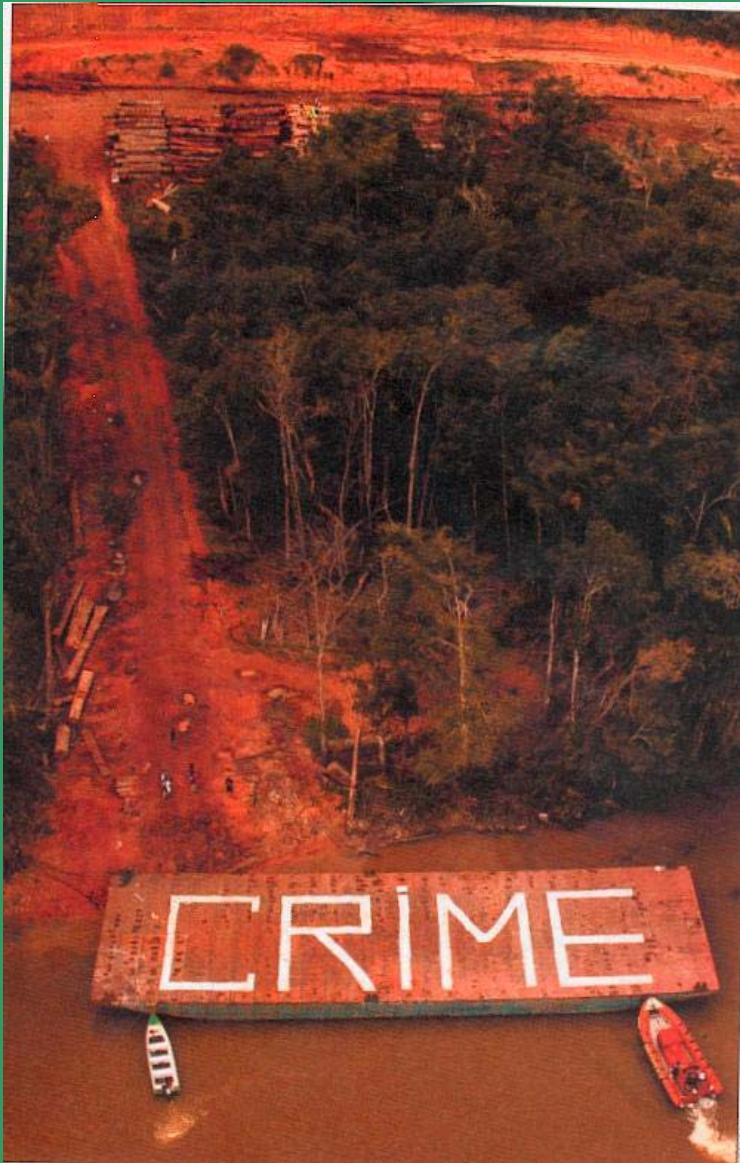


consumers



universities

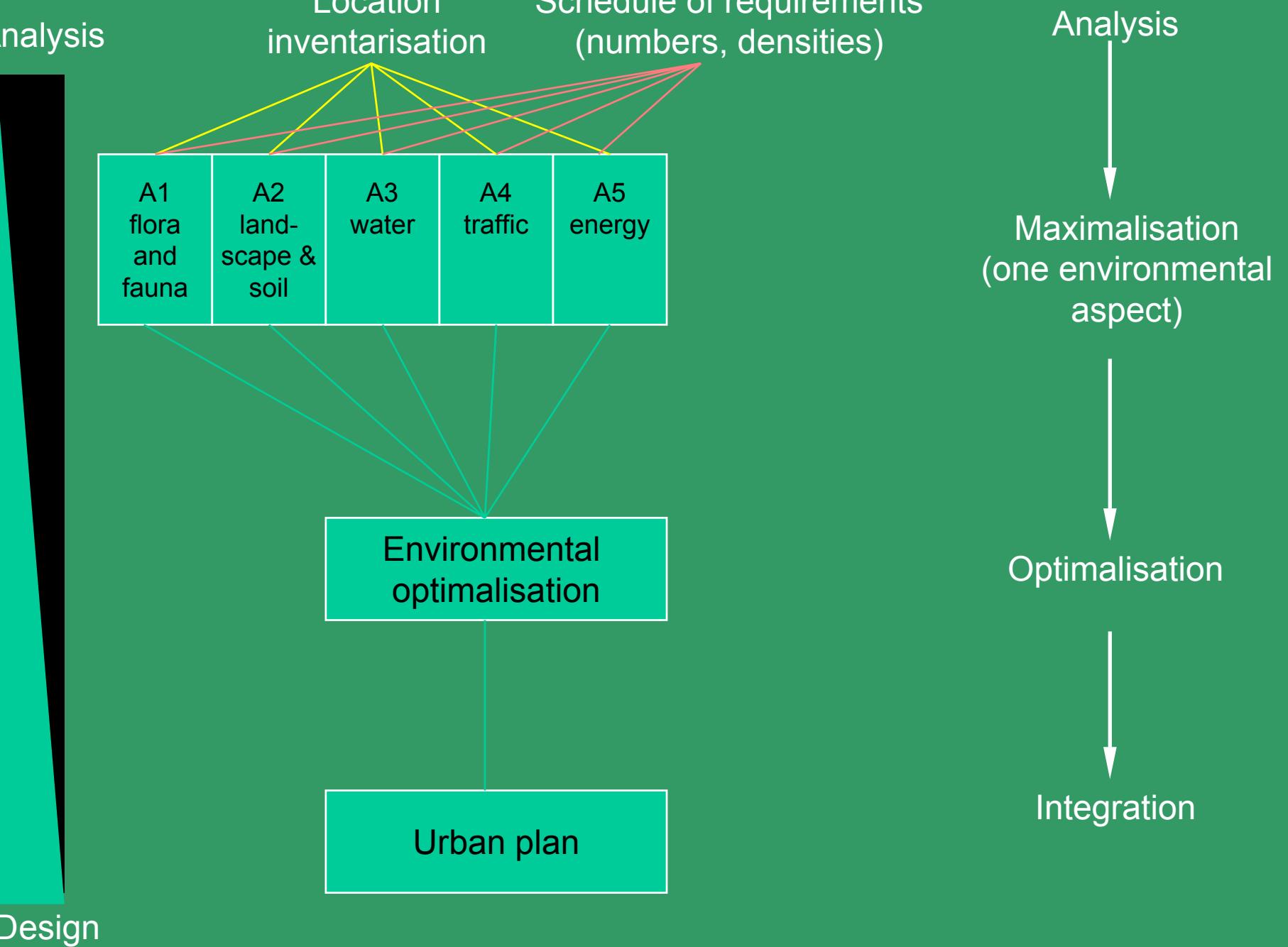




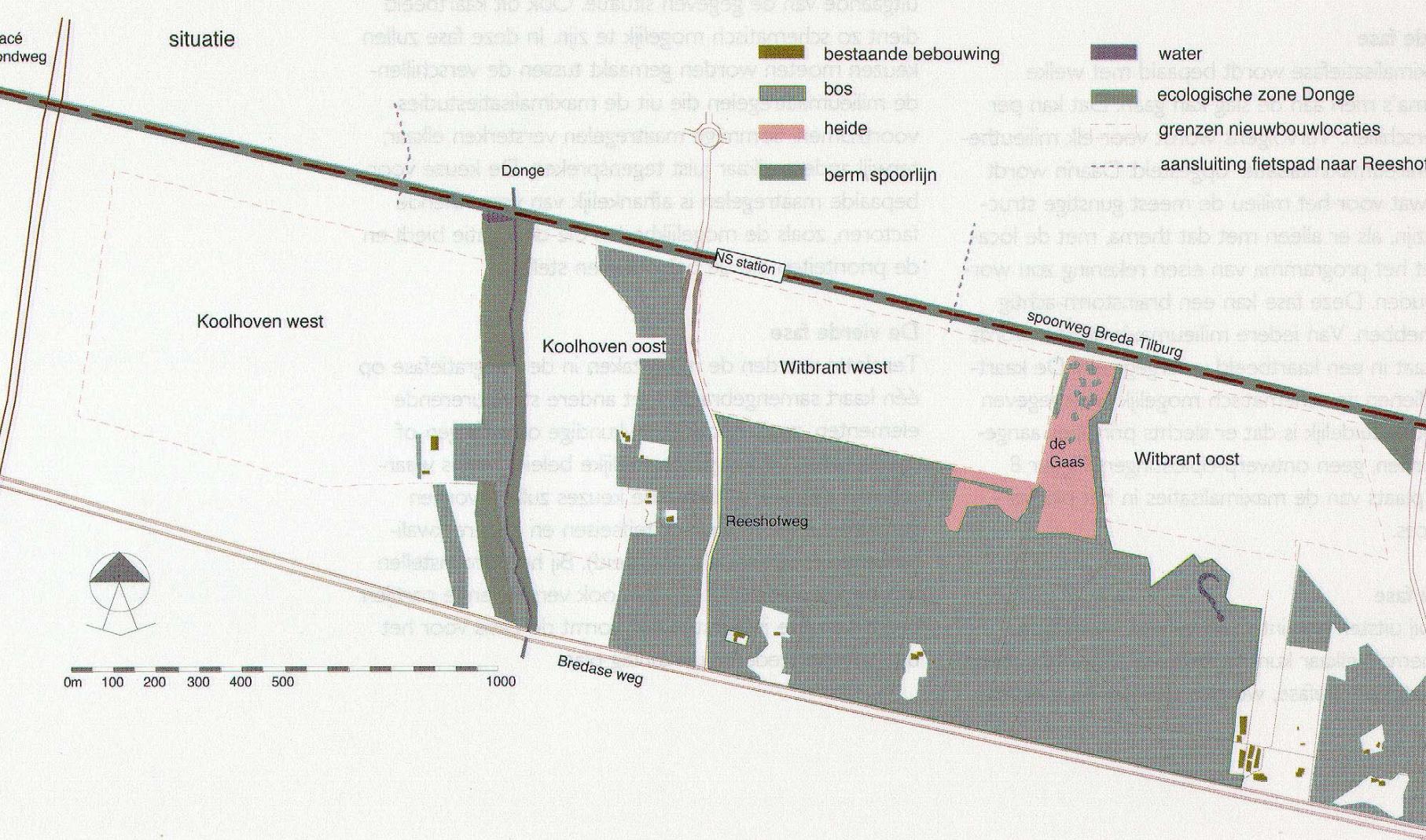
Structure in ecological urban design

A. Structure

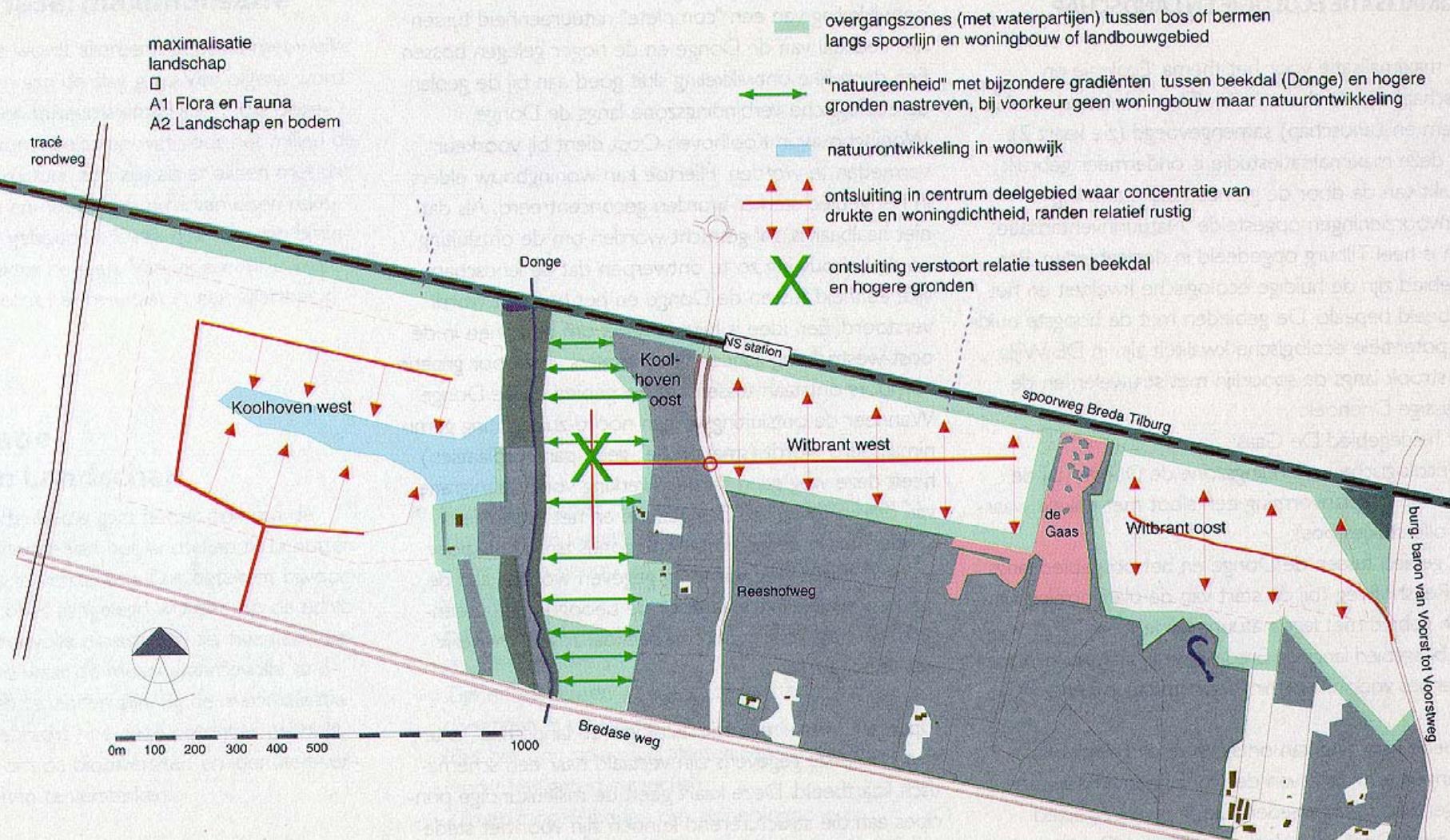
- Flora and fauna
- Landscape and soil
- Water system
- Traffic system
- Energy system
- Domestic waste



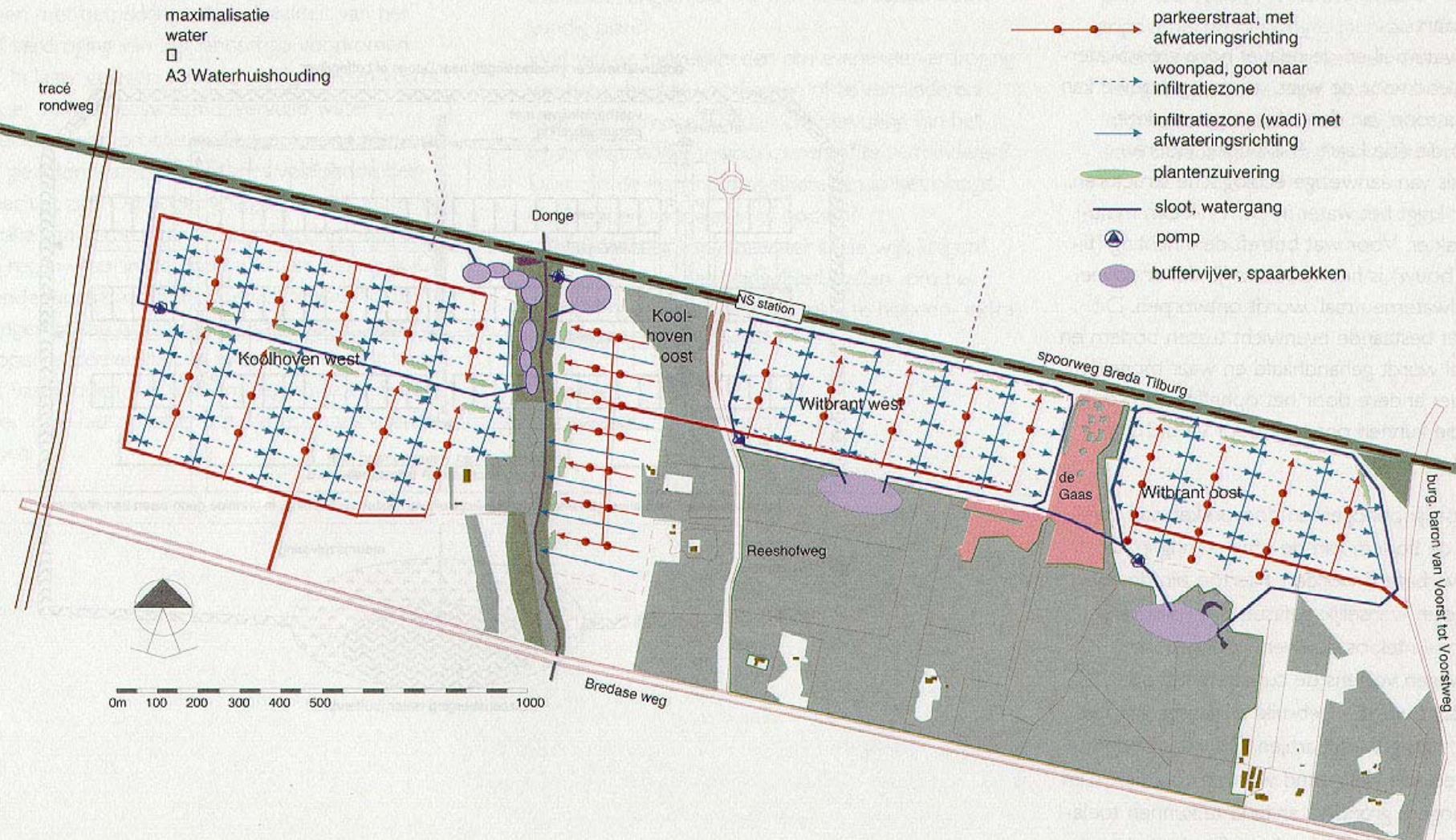
“MMM” in “De Wijk Tilburg”: location



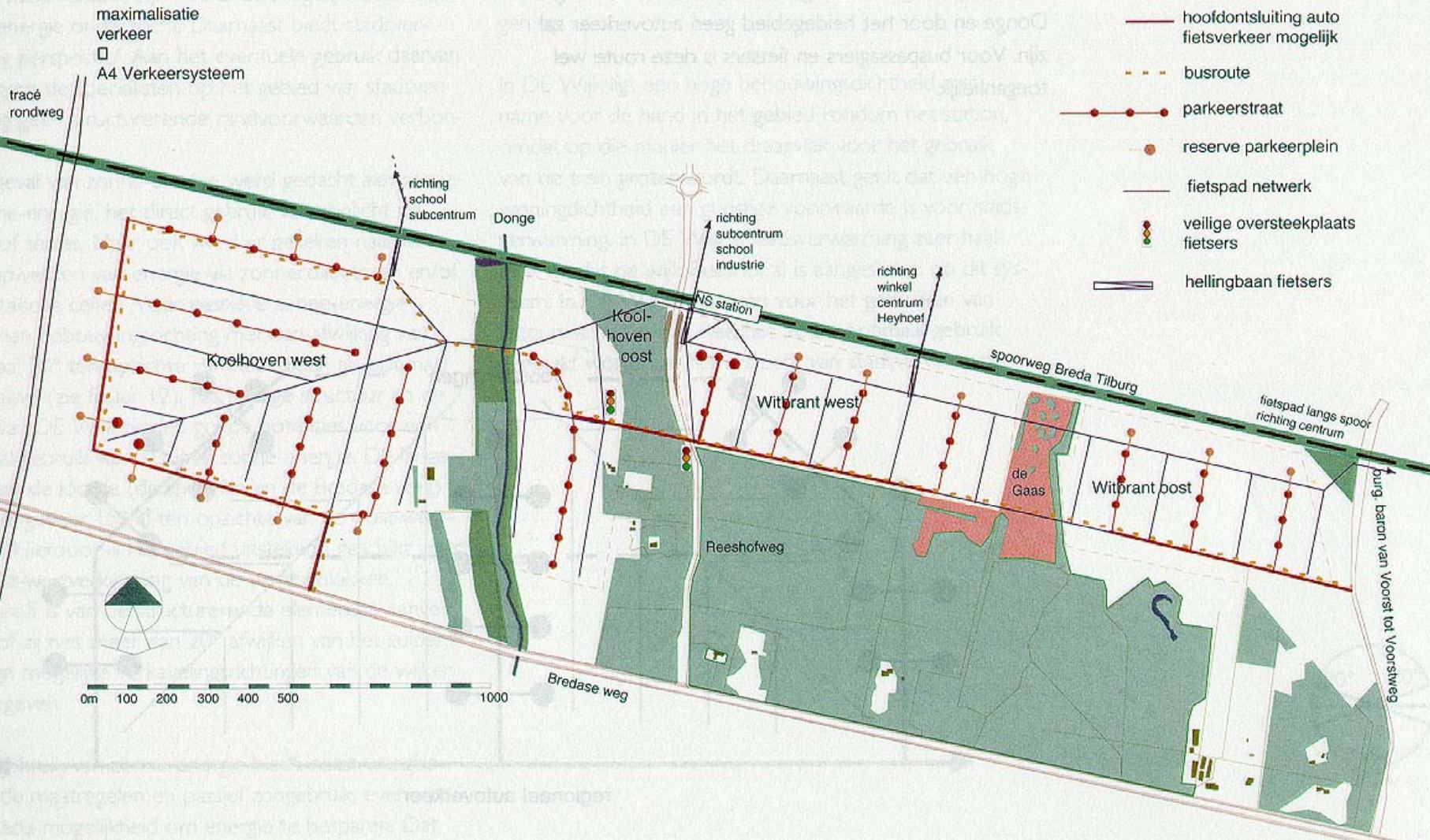
Flora, fauna, landscape, soil



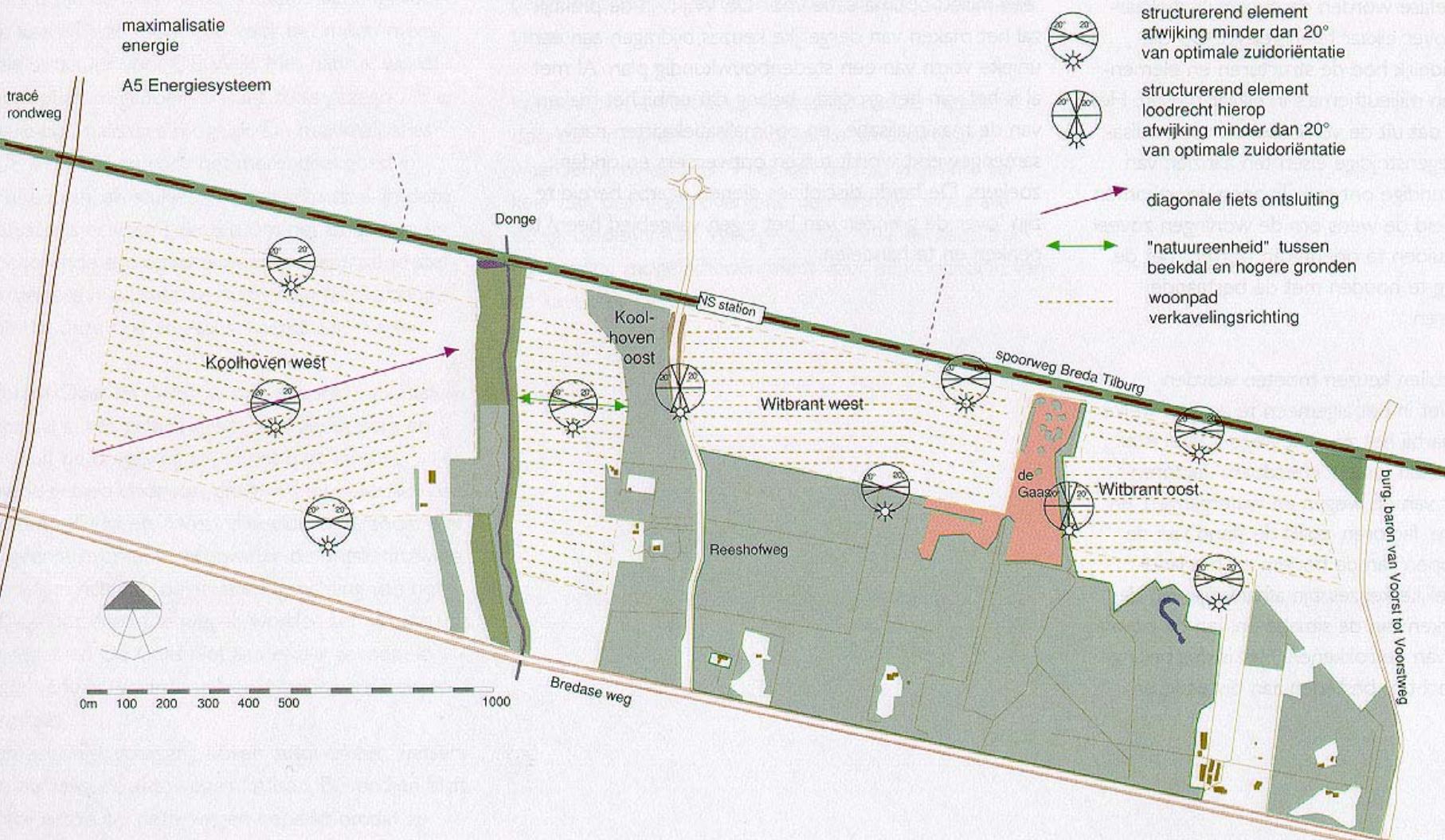
Water



Traffic

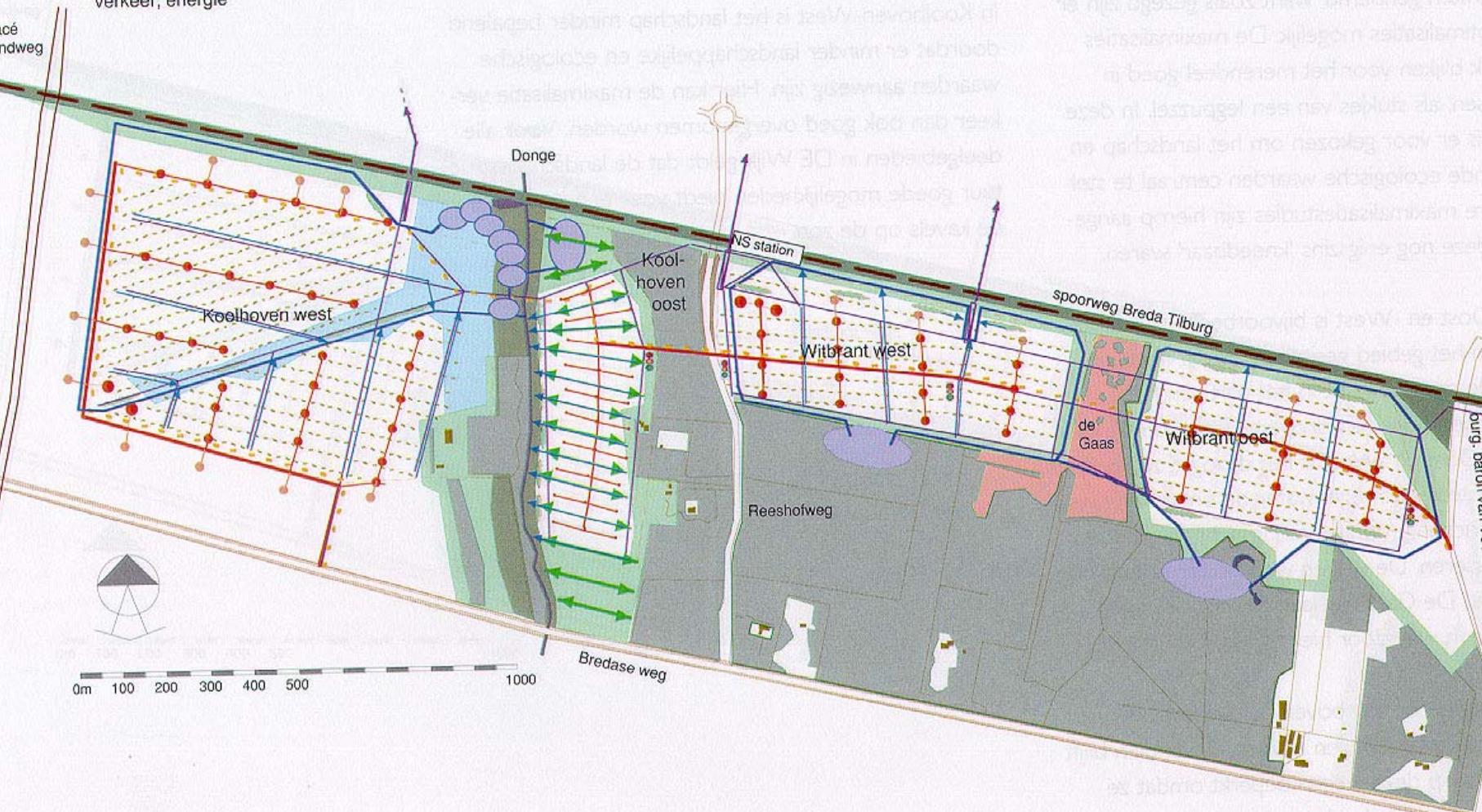


Energy, (solar orientation)



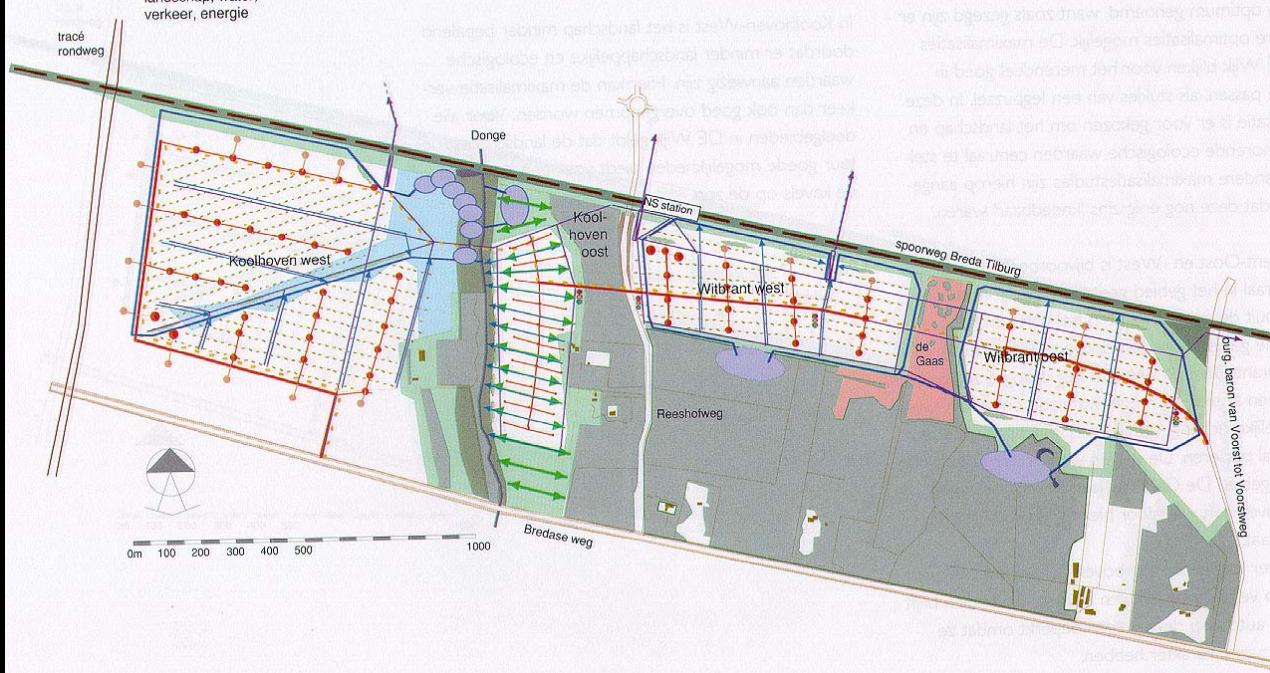
Environmental optimisation

een milieo-optimalisatie
landschap, water,
verkeer, energie

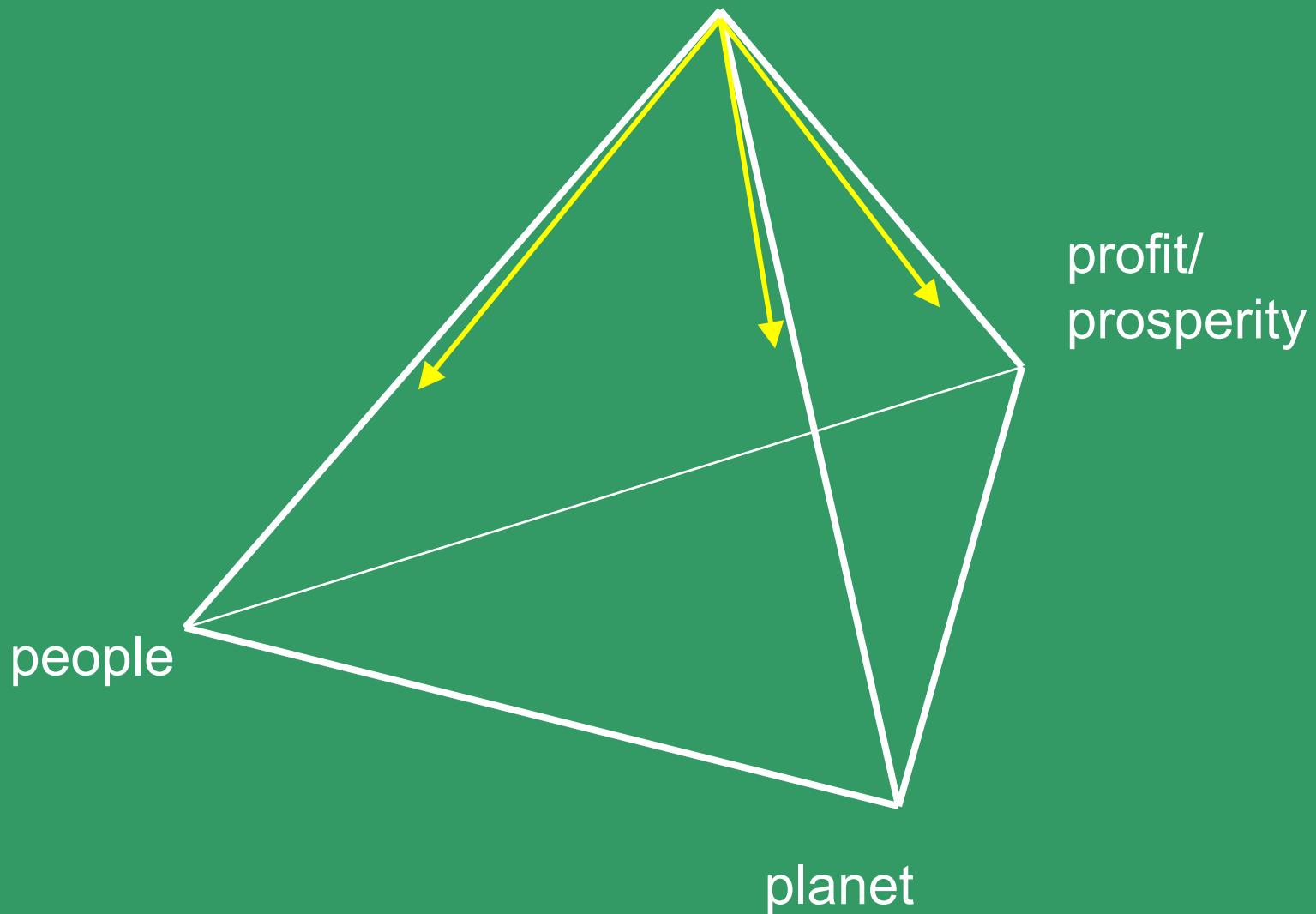


integration

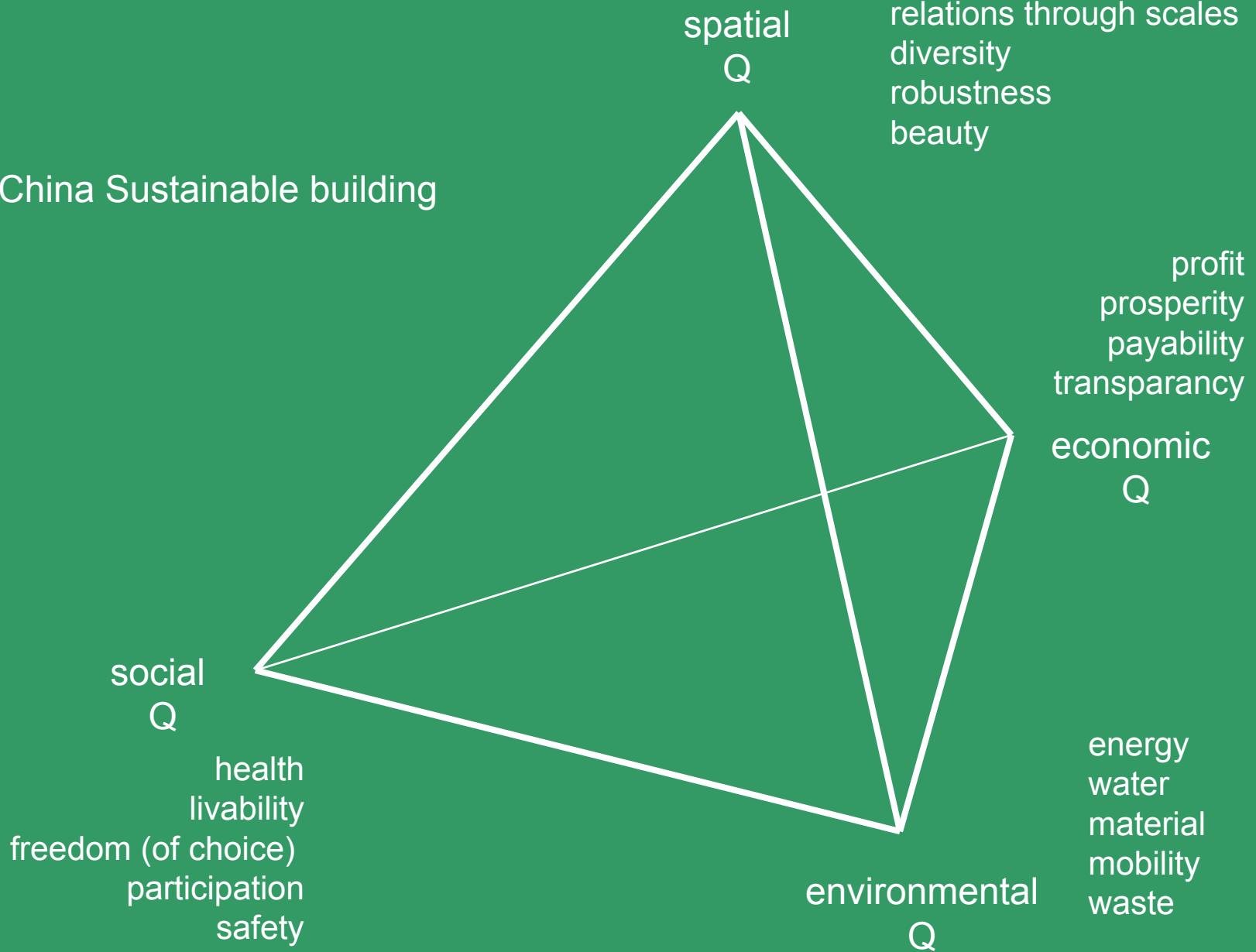




project

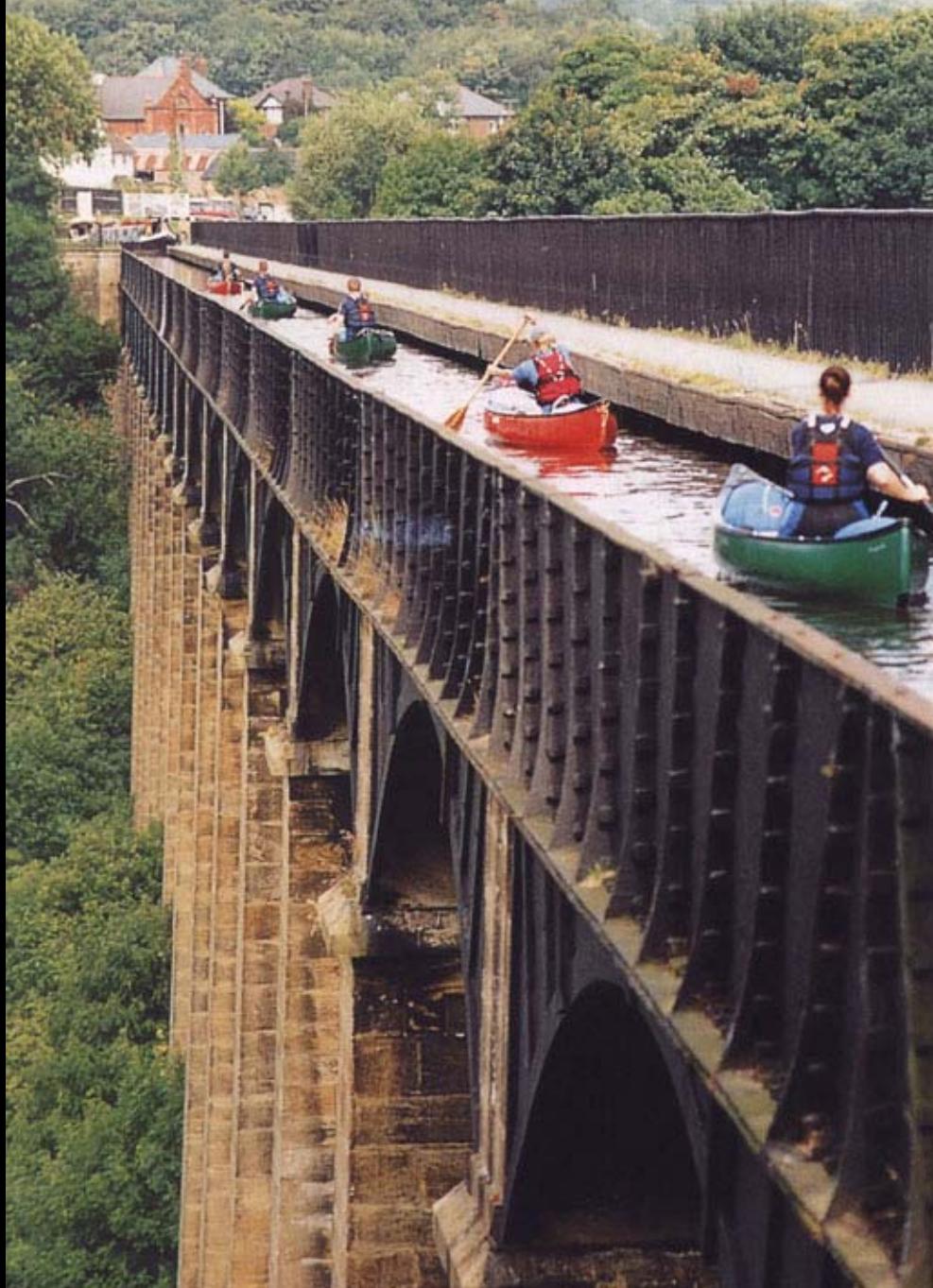


China Sustainable building











www.som.tudelft.nl

www.BOOMDelft.nl

Think global
Act local

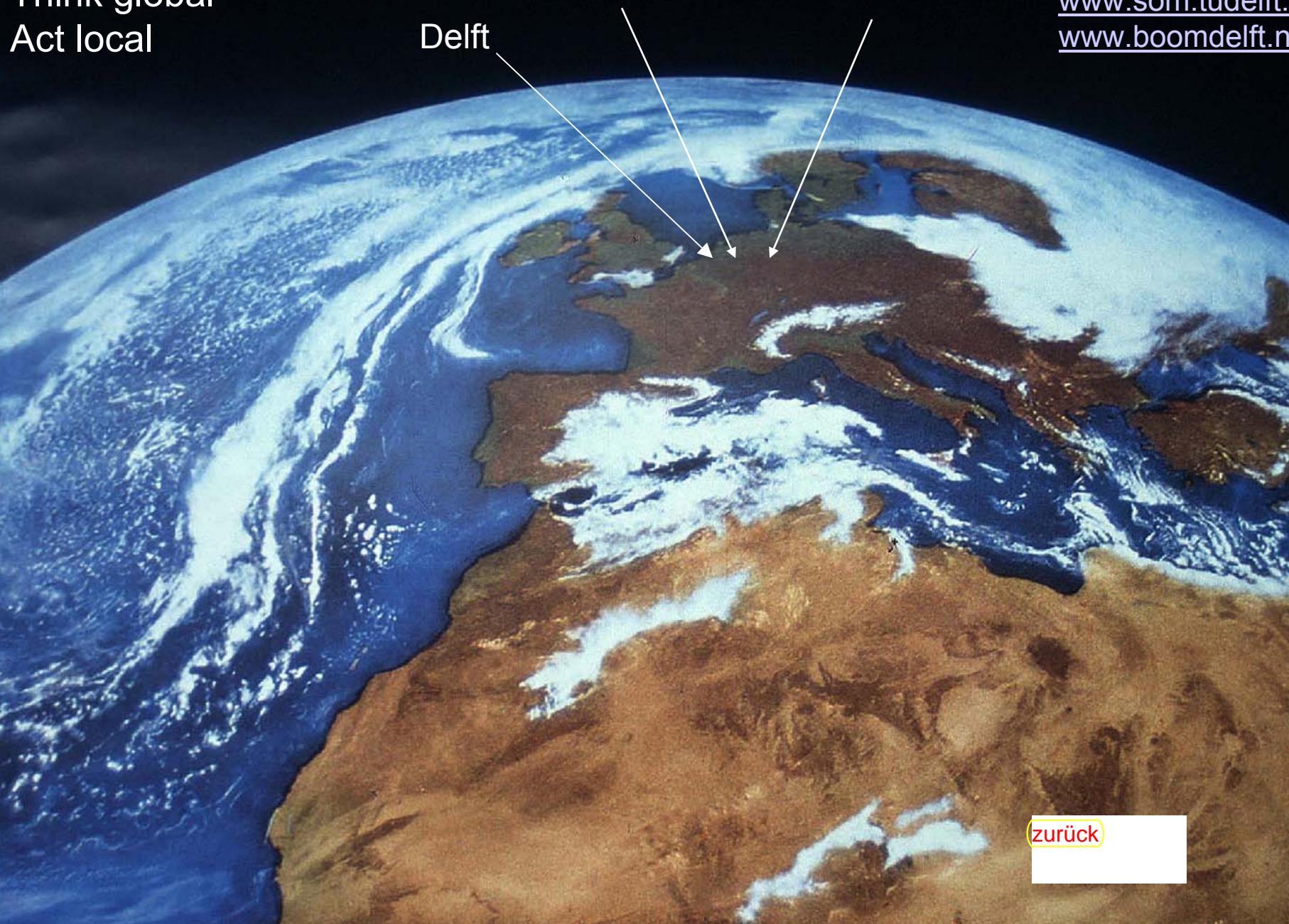
Amersfoort

Delft

Osnabrück

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