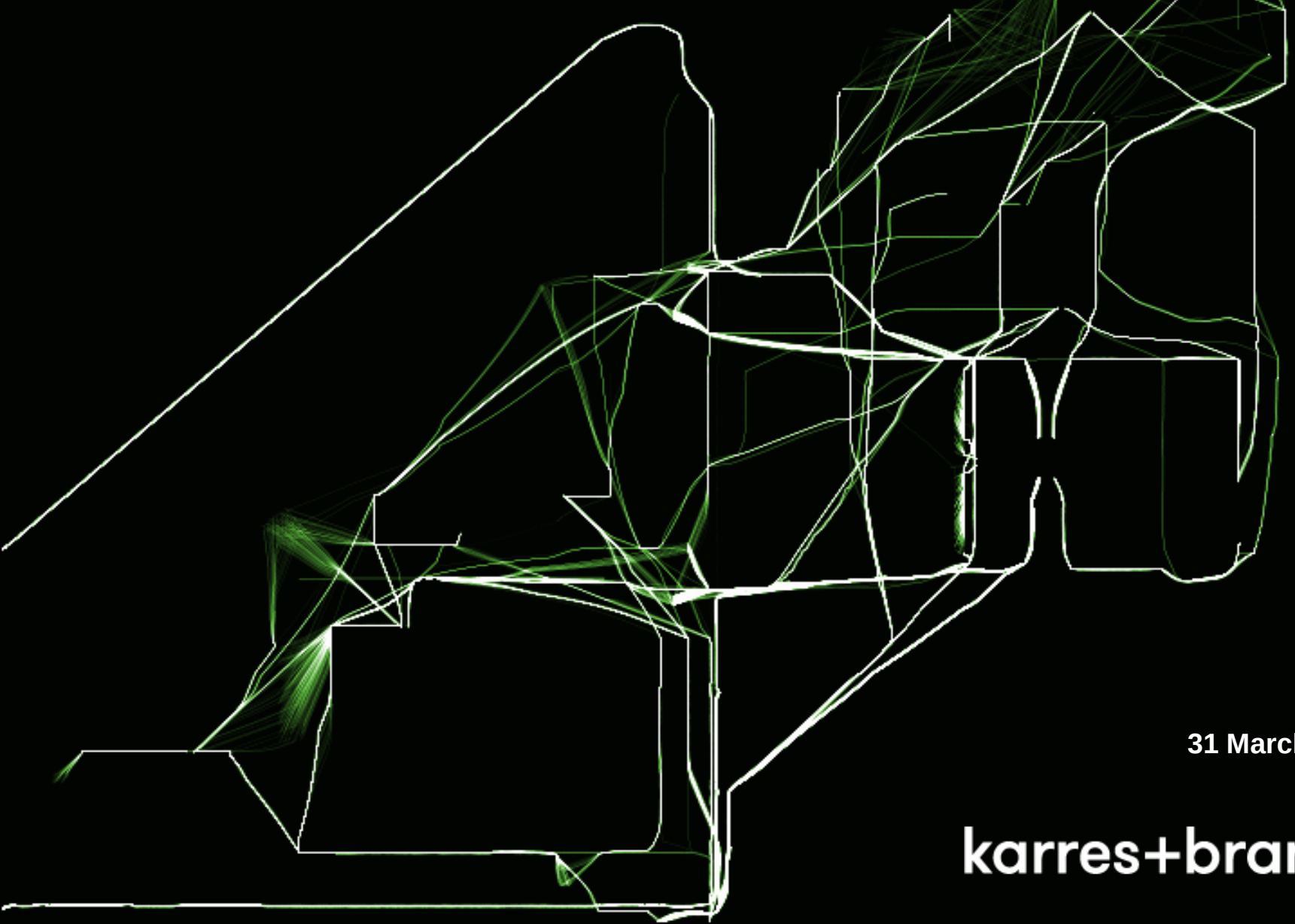


Transformation and Identity

How to cherish existing values while developing new identities



31 March 2017

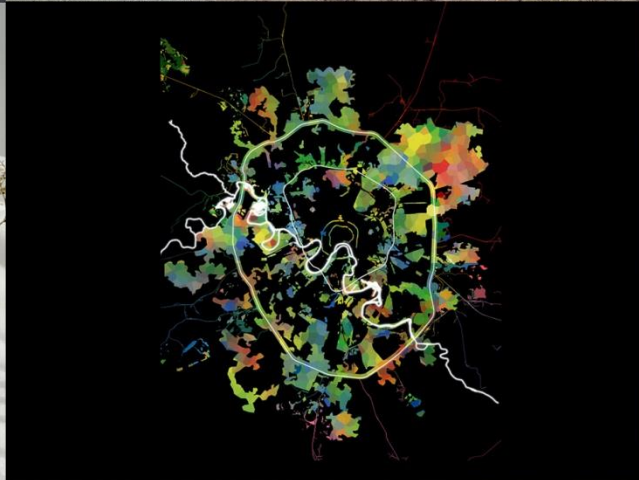
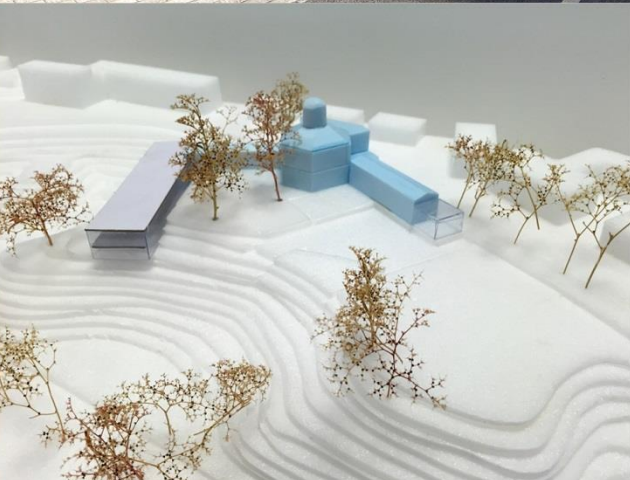
karres+brands

- **karres+brands**
- **norway vs the netherlands**
- **dutch landscape**
- **future challenges**
- **office projects**
- **approach**

karres+brands

Office





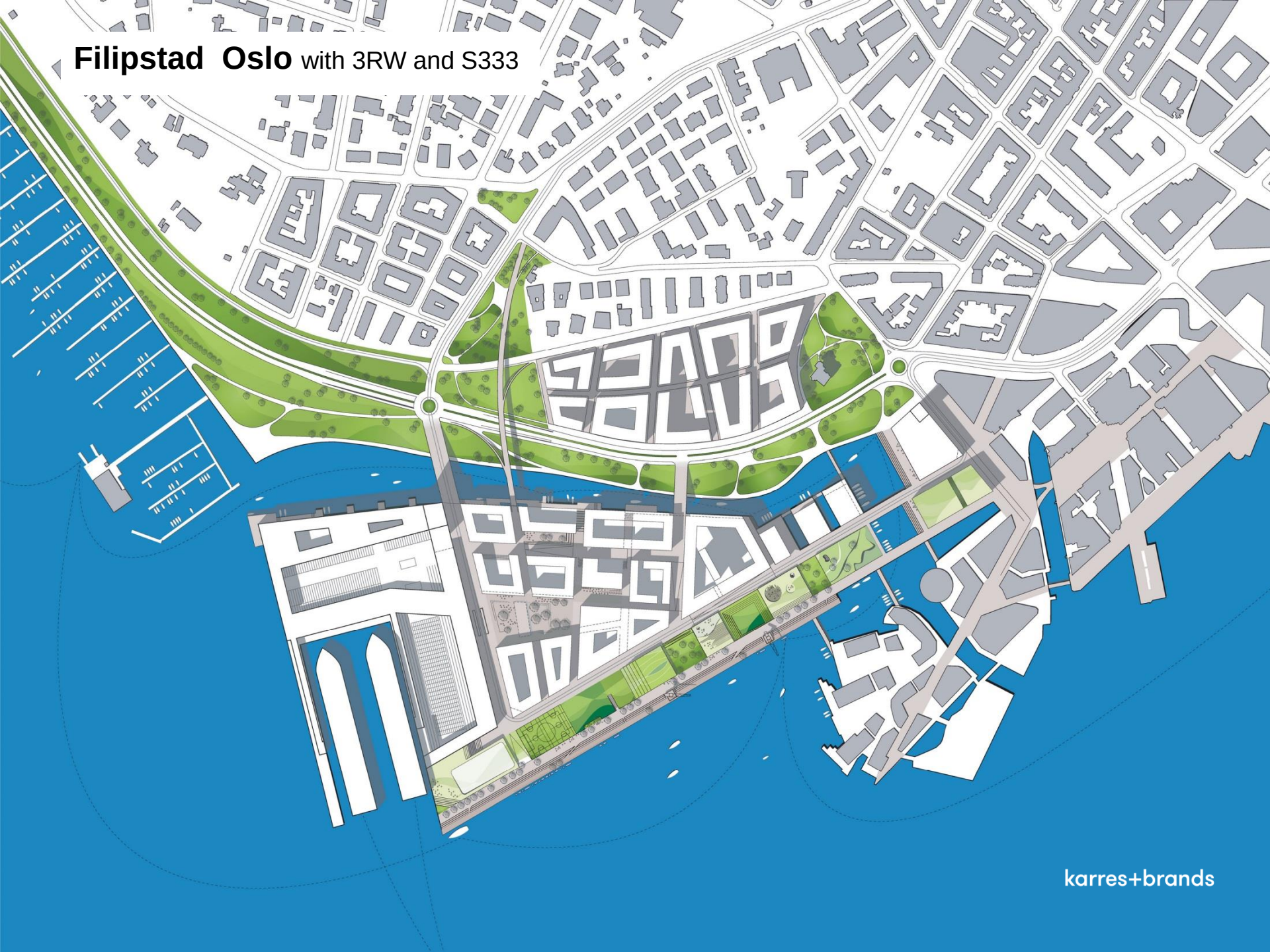


Federation Square – Melbourne (AU)

Design public space



Filipstad Oslo with 3RW and S333



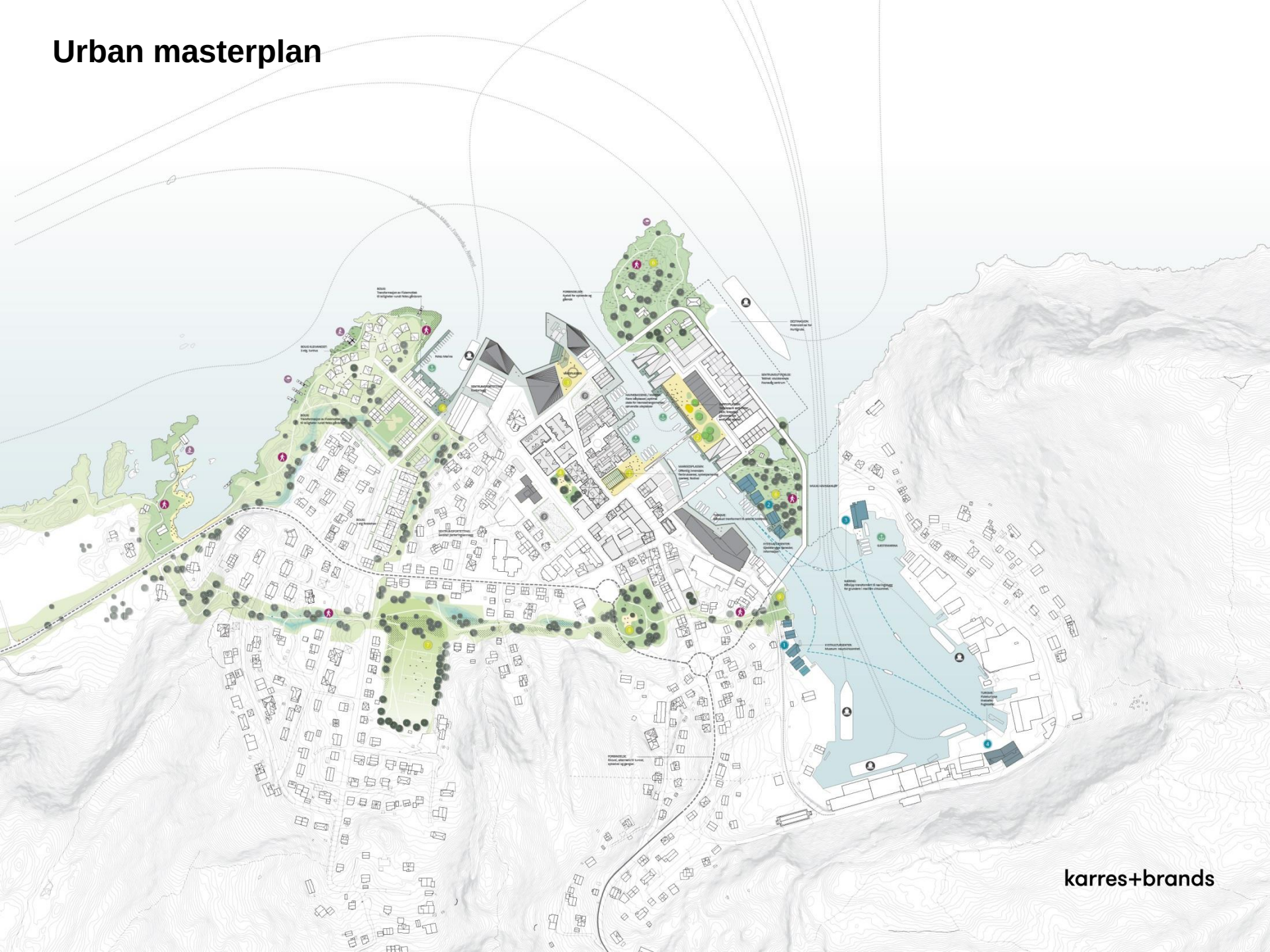
Area with Ghilardi+Hellsten

Fosnavåg with Ghilardi+Hellsten



karres+brands

Urban masterplan



Temporary square



Købmagergade, Copenhagen (DK) with Polyform





Statens Museum for Kunst, Copenhagen (DK) with Polyform





Norway vs The Netherlands

Norway



The Netherlands



NORWAY

Capital: Oslo

Language: Norsk/Nynorsk

Area: 385.178 km²

Inhabitants: 5.315.245

Highest point: Galdhøpiggen 2469 m

Average elevation: 460m

Coastline: 19.924km



NETHERLANDS

Capital: Amsterdam

Language: Nederlands

Area: 33.893 km²

Inhabitants: 17.018.959

Highest point: Vaalserberg 323 m

Average elevation: 30m [30% below sea level]

Coastline: 451km



Urbanisation

NORWAY

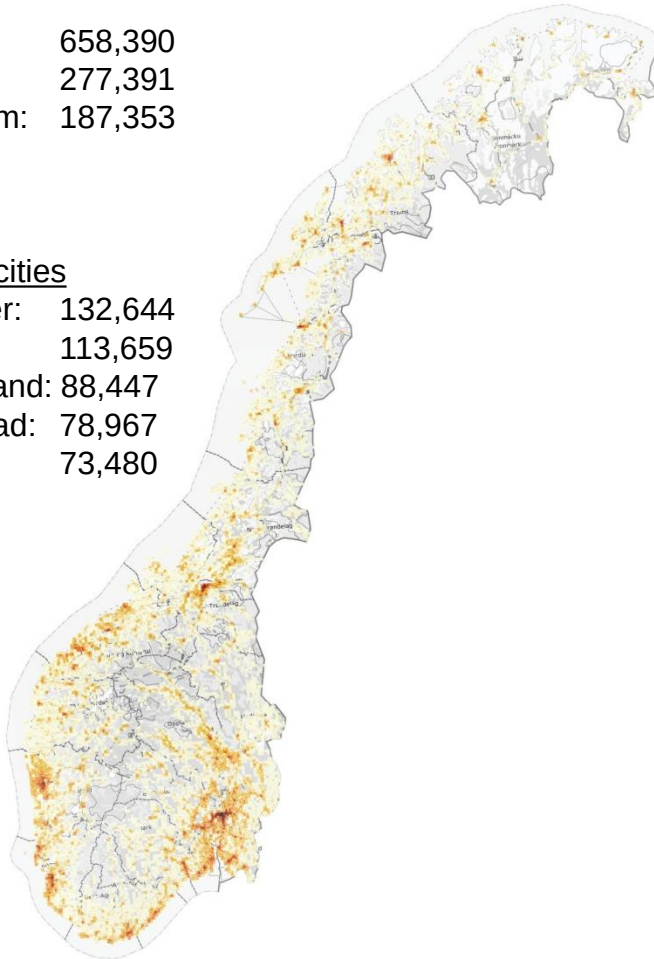
Population density: 15 inhabitants/km²
% living in urban areas: 81%
Average commuting time: 31 min/day

Big cities

Oslo: 658,390
Bergen: 277,391
Trondheim: 187,353

Mid size cities

Stavanger: 132,644
Bærum: 113,659
Kristiansand: 88,447
Fredrikstad: 78,967
Tromsø: 73,480



NETHERLANDS

Population density: 505 inhabitants/km²
% living in urban areas: 91%
Average commuting time: 50 min/day

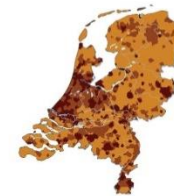
Big cities

Amsterdam: 741,636
Rotterdam: 598,199
Den Haag: 474,292
Utrecht: 290,529
Eindhoven: 209,620

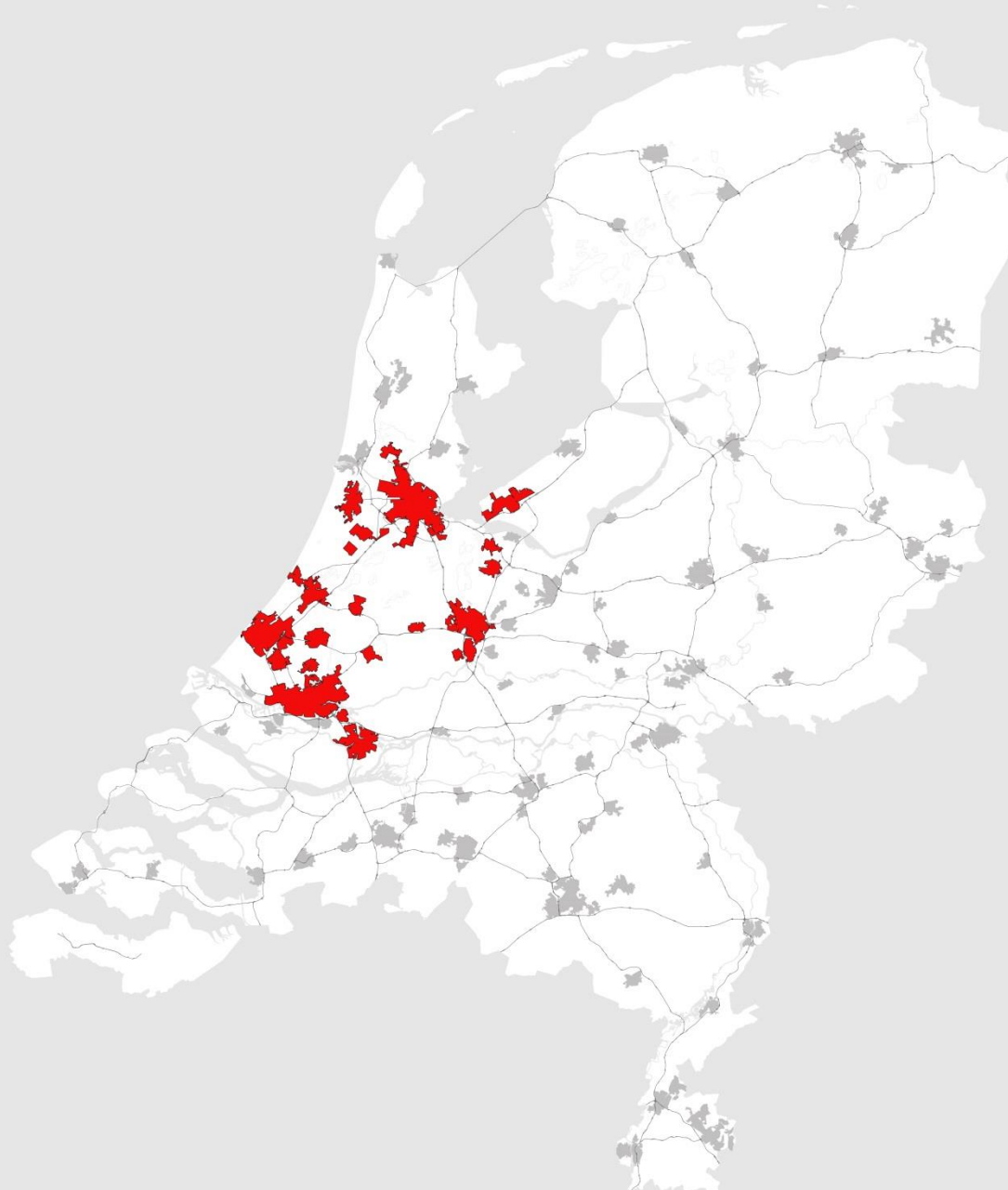
Mid size cities

Tilburg: 199,613
Groningen: 181,194
Almere: 176,432
Breda: 167,673
Nijmegen: 158,732

Hilversum: 88,008



Randstad



Urbanisation

OSLO REGION

Inhabitants: 1,4 milj.

Population density: 160 inhabitants/km²



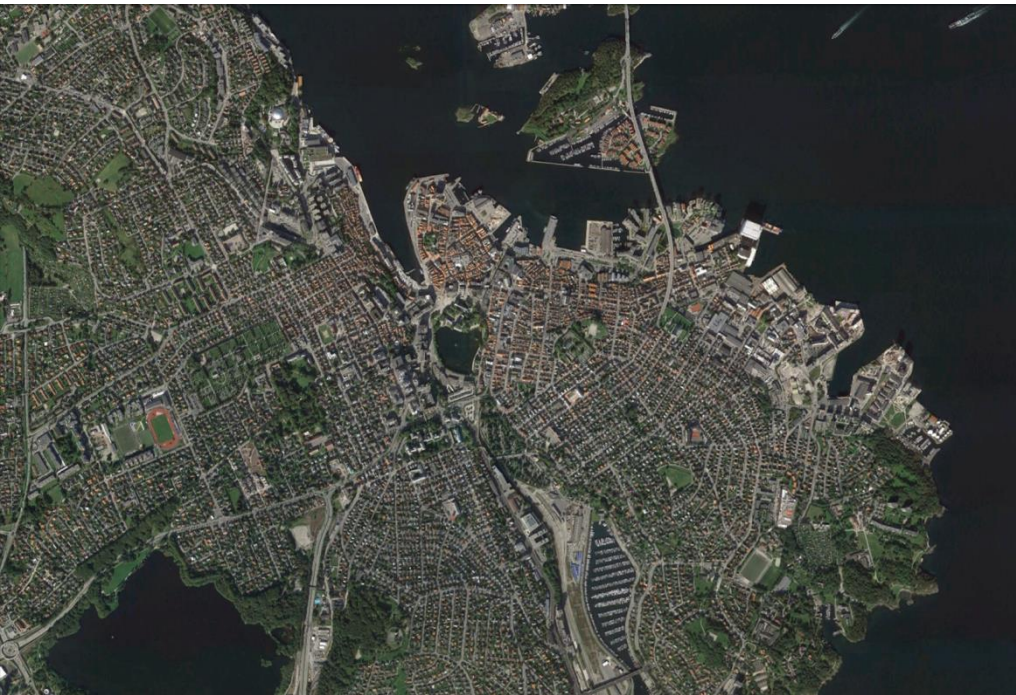
RANDSTAD

Inhabitants: 7,1 milj.

Population density: 1.500 inhabitants/km²



Stavanger – harbour city

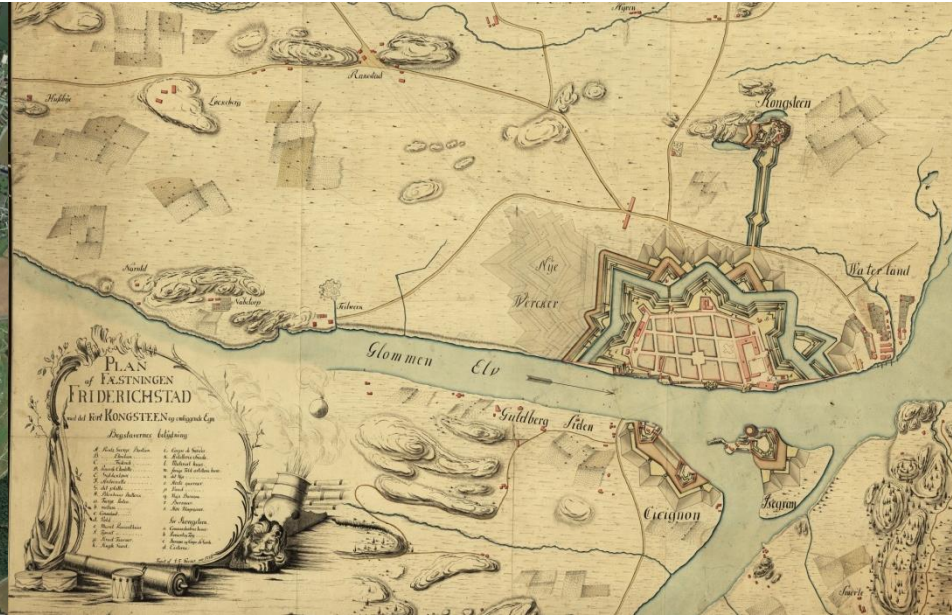


karres+brands

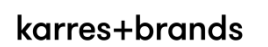
Rotterdam – harbour city



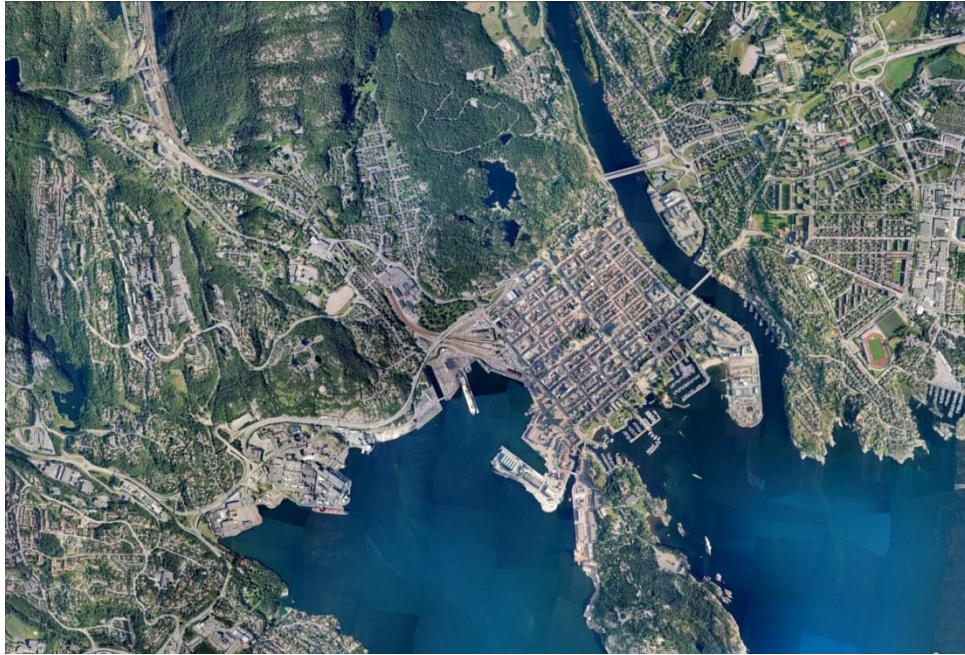
Frederikstad – fortified city



An aerial photograph of a city featuring a prominent star-shaped fortification in its center. The fortification is surrounded by a dark, possibly water-filled moat. The city is densely packed with buildings, and the surrounding area consists of green fields and a major highway running diagonally across the image.



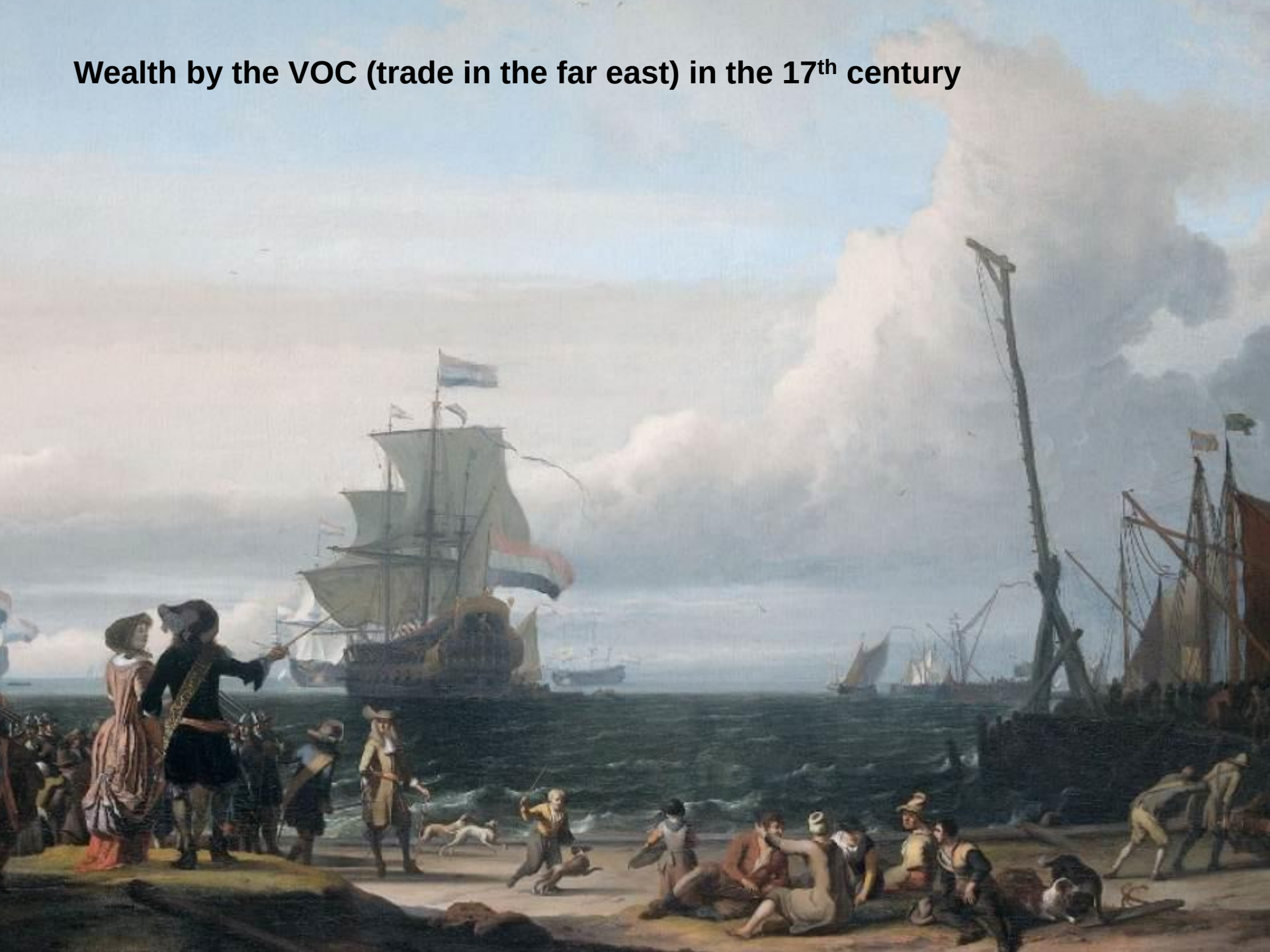
Kristiansand - gridstructure



Elburg – grid structure.....?



Wealth by the VOC (trade in the far east) in the 17th century



AMSTELODAMI VETERIS ET NOVISSIMÆ VRBIS ACCVRATISSIMA DELINEATIO.

AENWYSINGHE

met Cyler-getalen
*Waar de nieuwe Ruyinge der Stadt
 met de Oude vereenicht.*

Schale van 3000 Amsteldamse voeten

AENWYSINGEN

[illegible]

Amsterdam canals



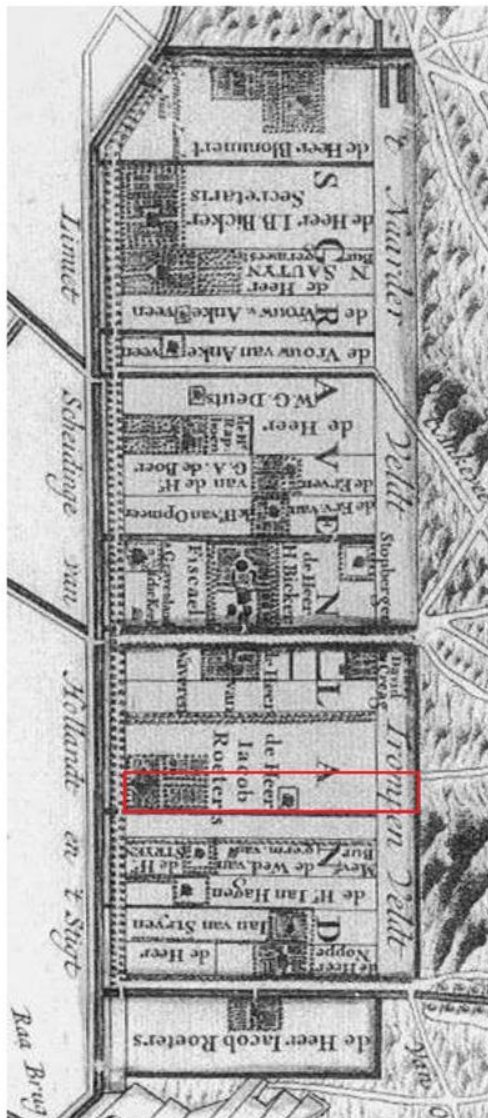
Trompenburg estate



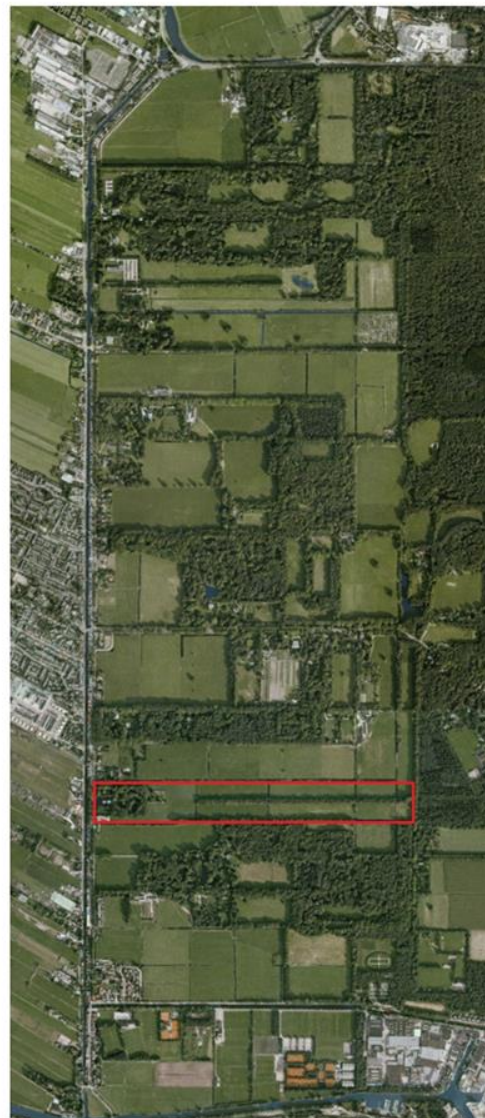
's-Graveland



1638



1734

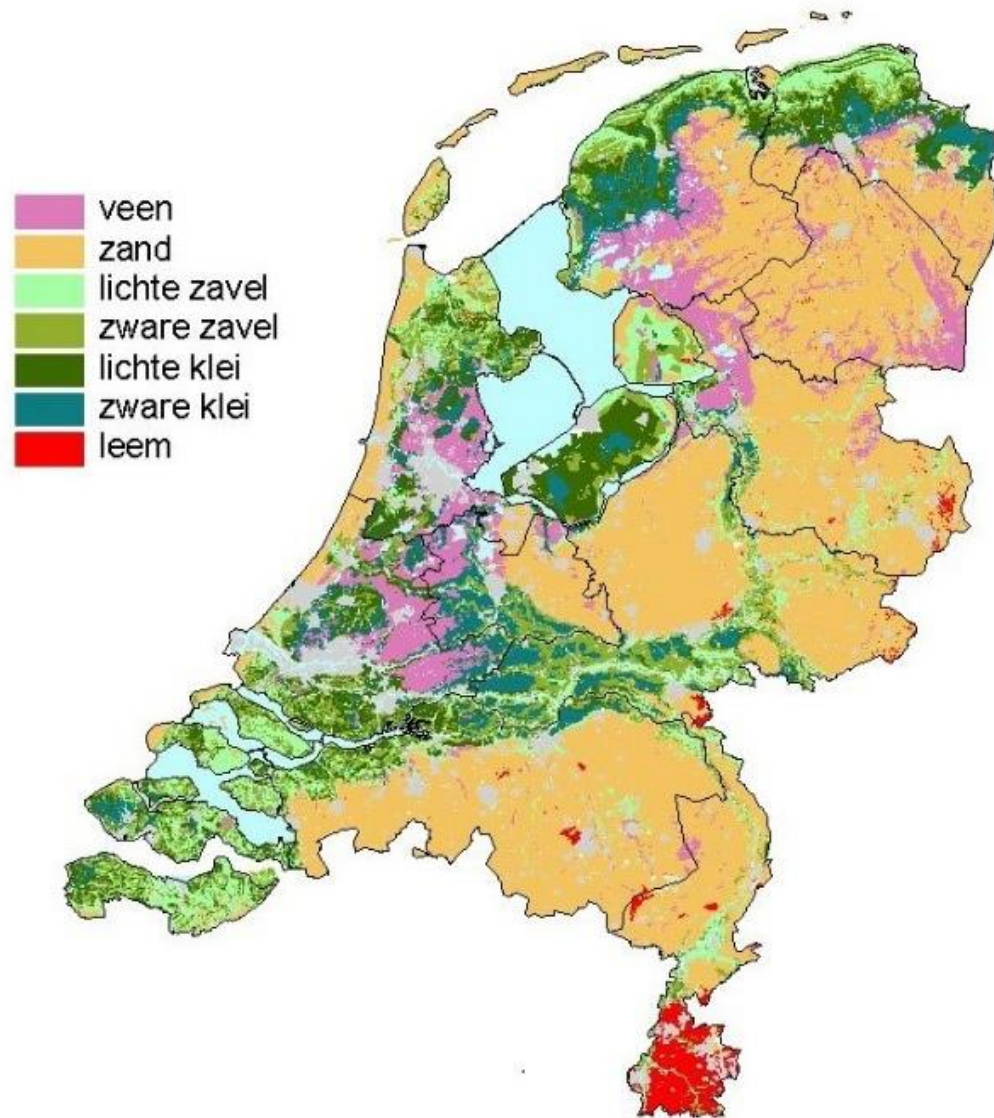


2011

The Dutch landscape



Dutch soils

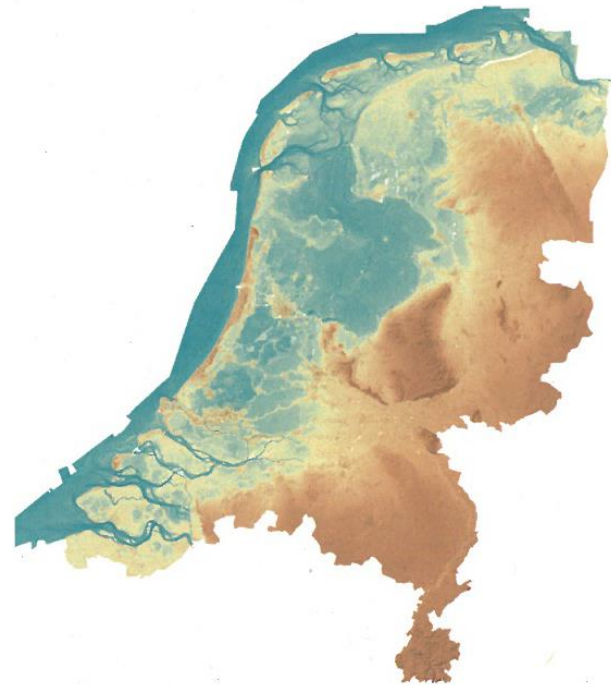


Holland is the sink of Europe



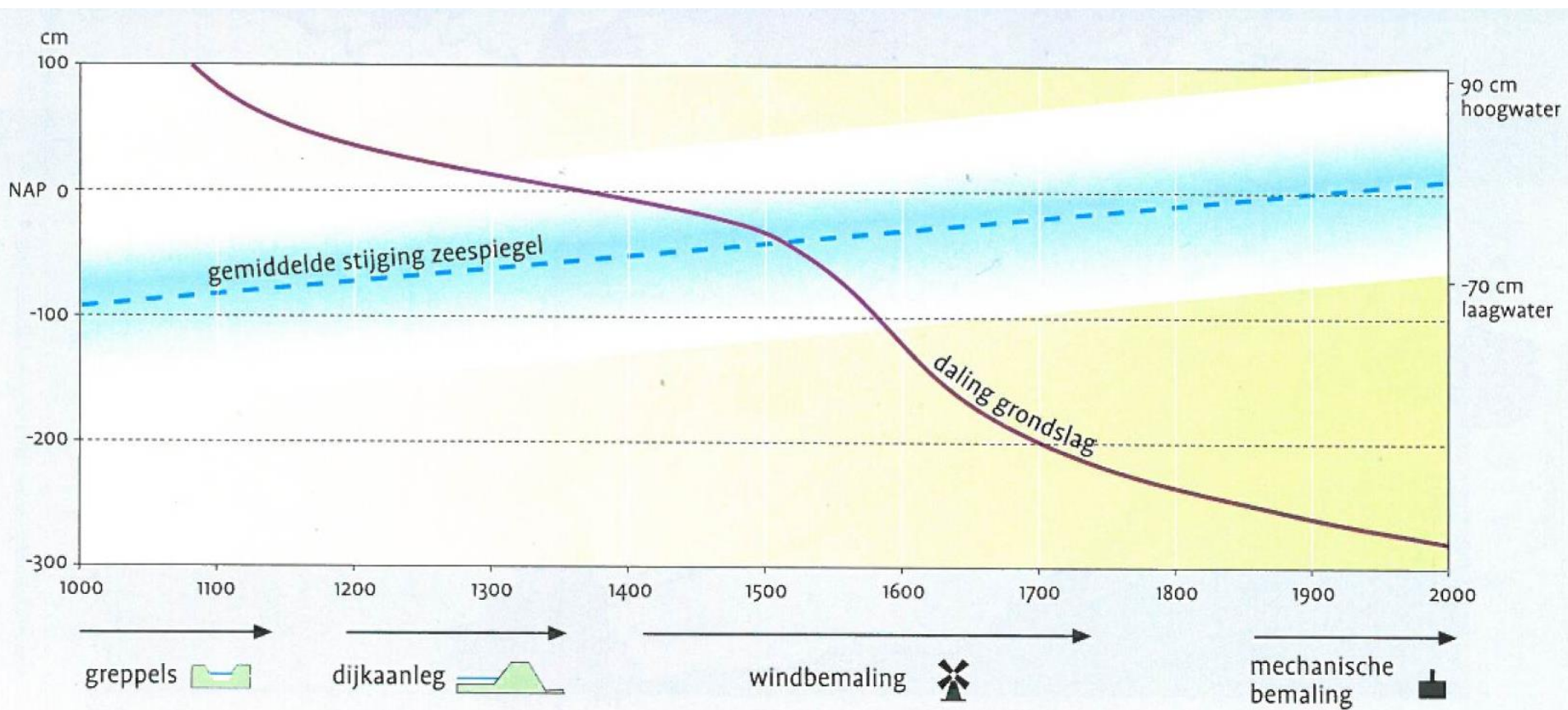
karres+brands

60% of the Netherlands is below sea-level



Population of 16.9 mio
9 mio people live below sealevel

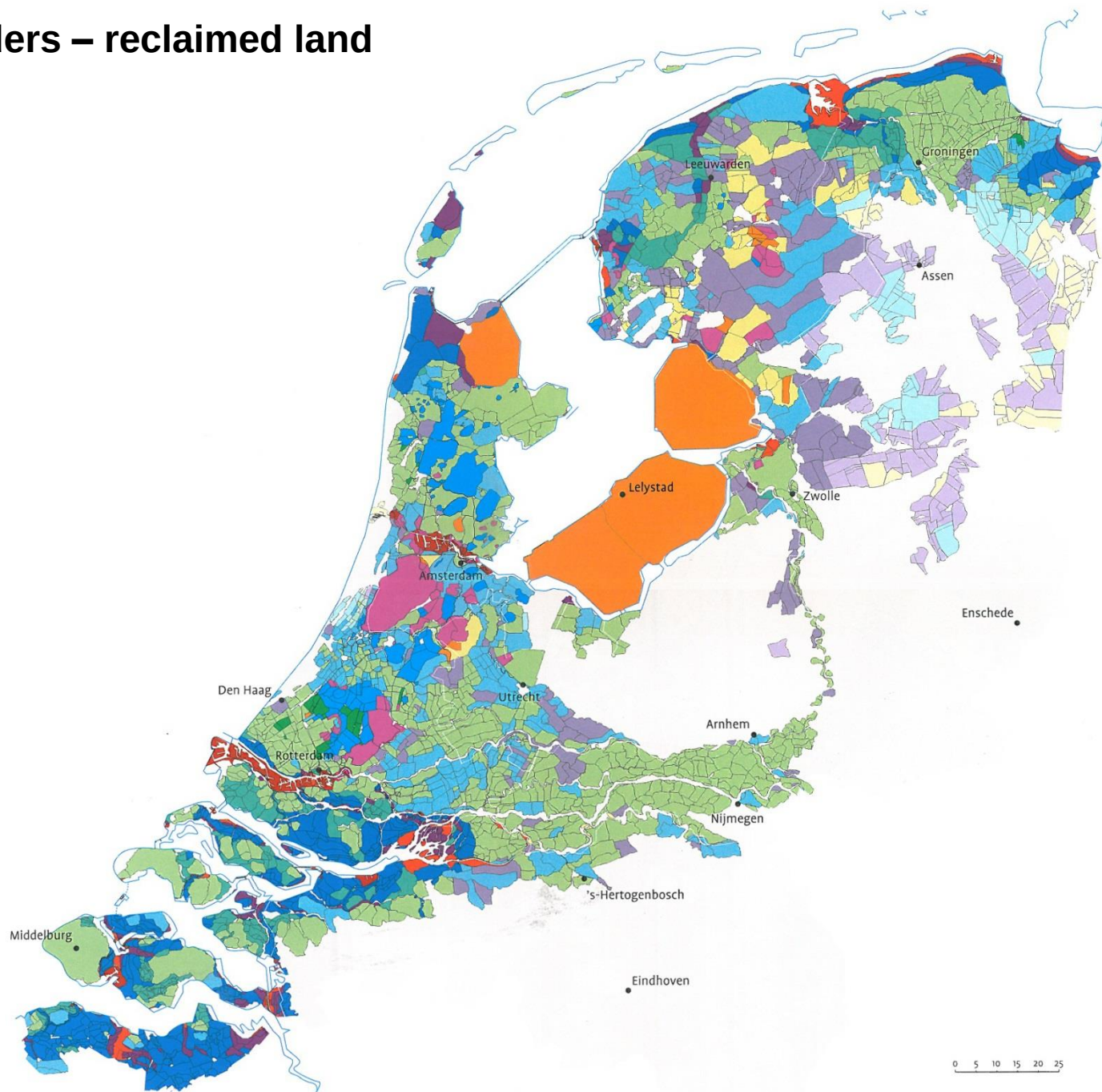




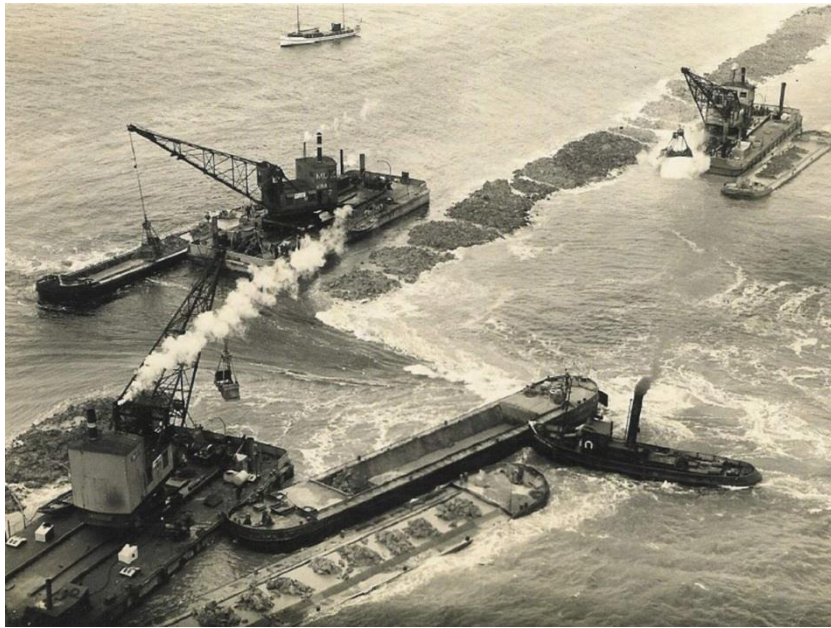
Reclaimed land



Polders – reclaimed land

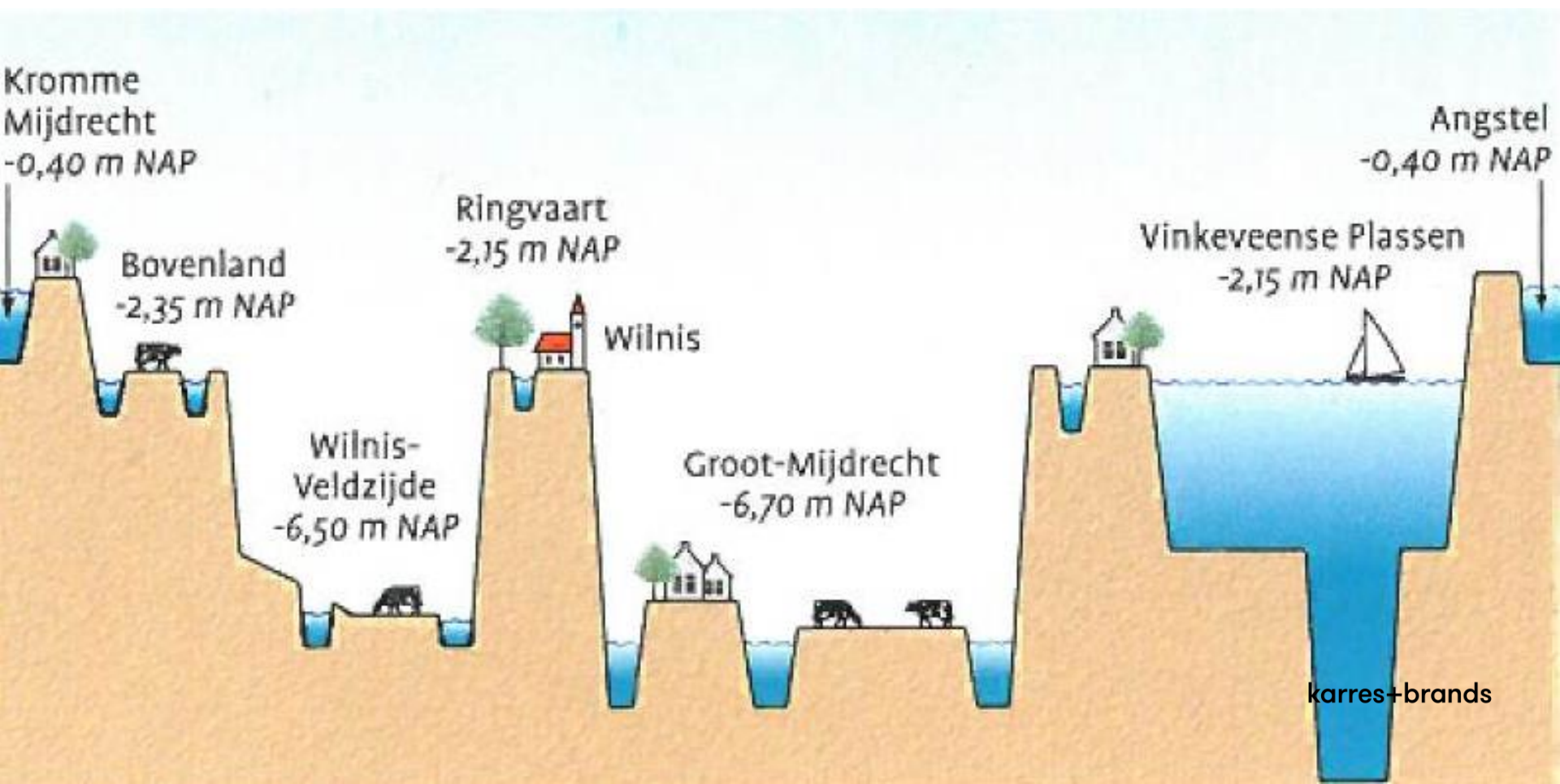


karres+brands





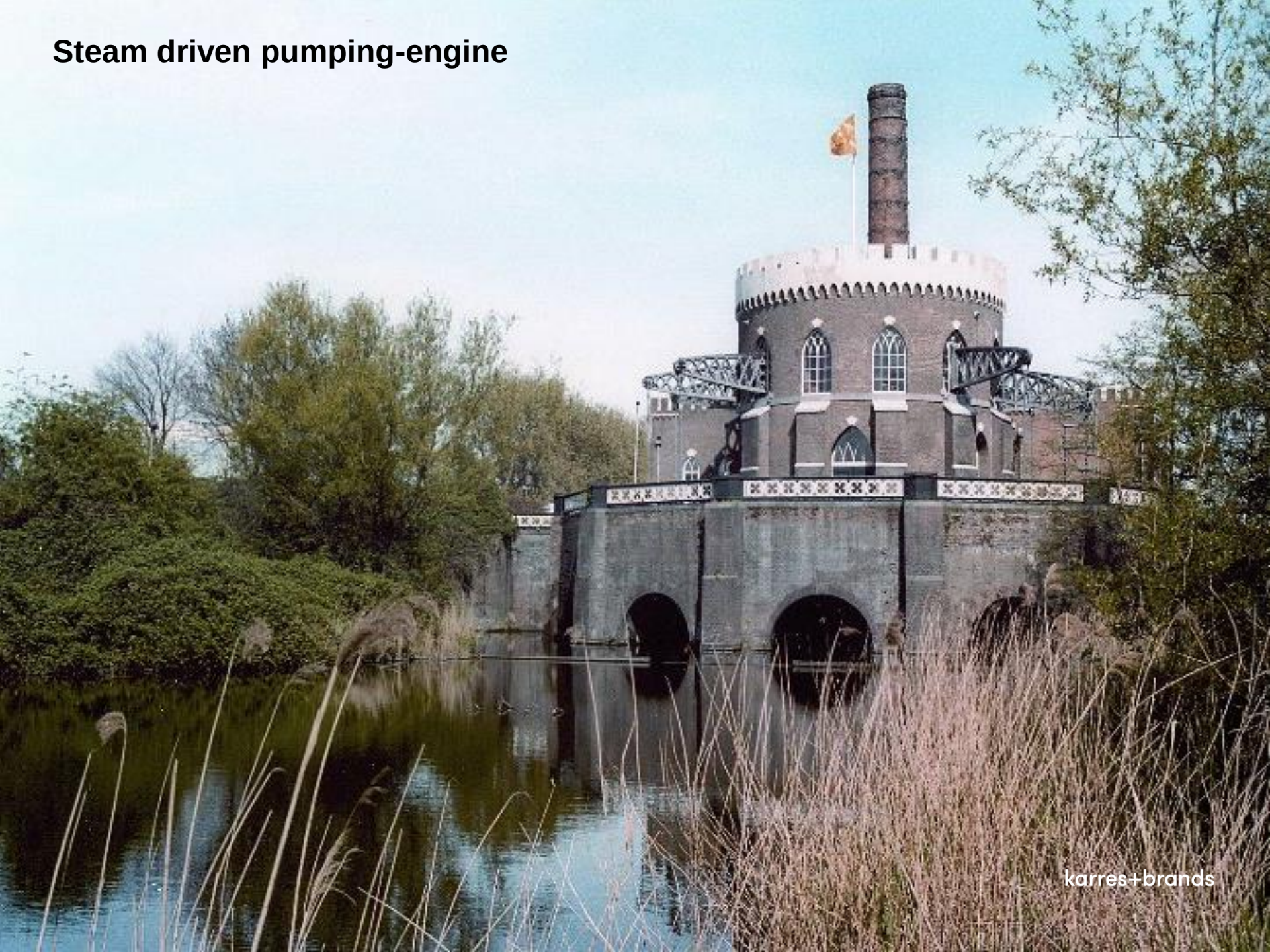
Ingenious system of water levels



Drainage mills and polder reservoirs



Steam driven pumping-engine



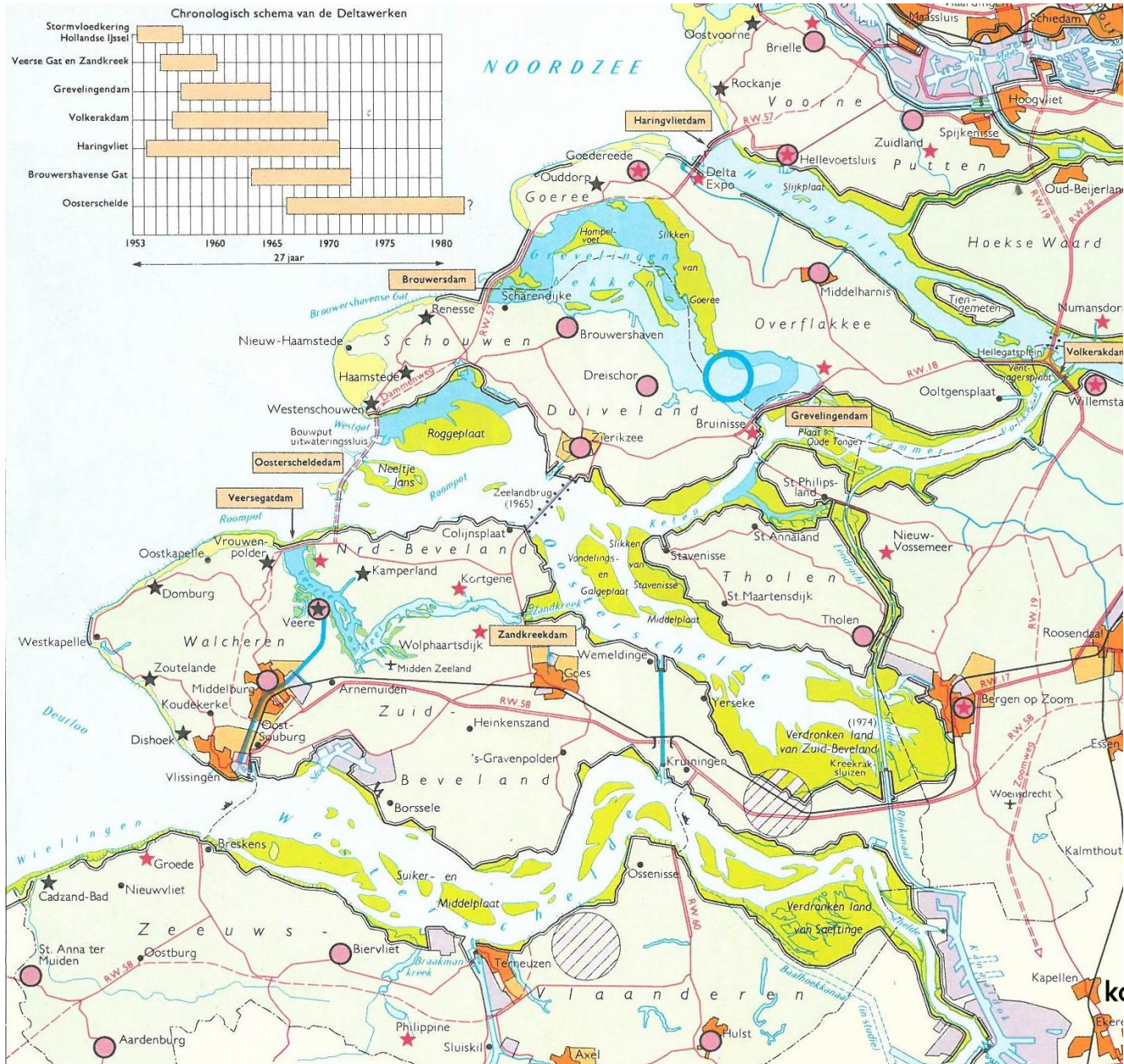
Modern pumping station

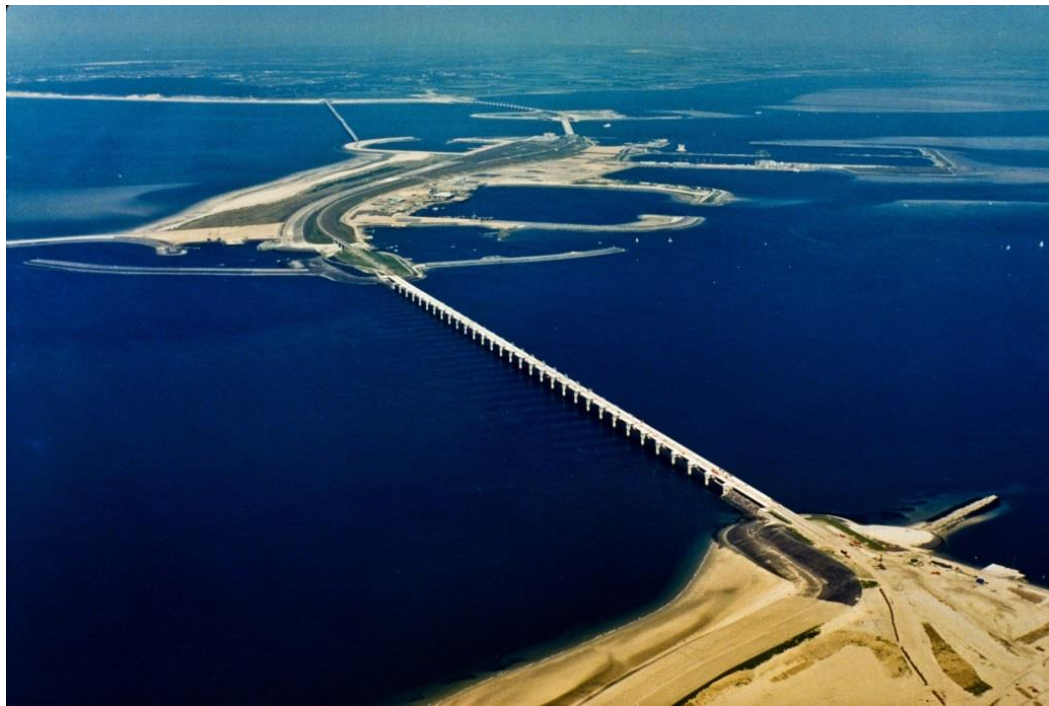


Watersnoodramp – The Flood of 1953



Delta Works





karres+brands

Fighting the water



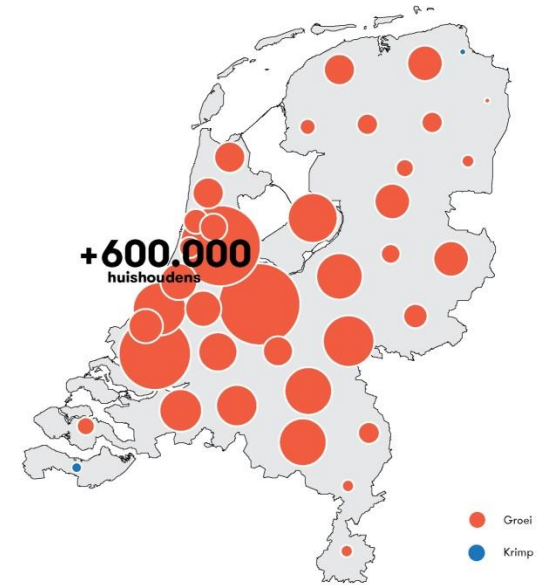
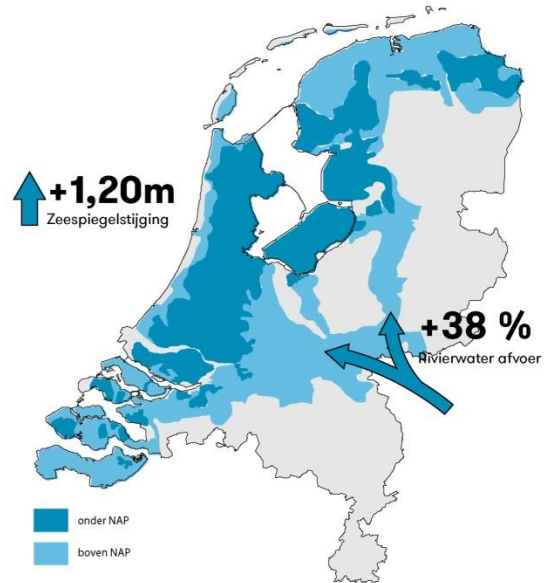
Loving the water



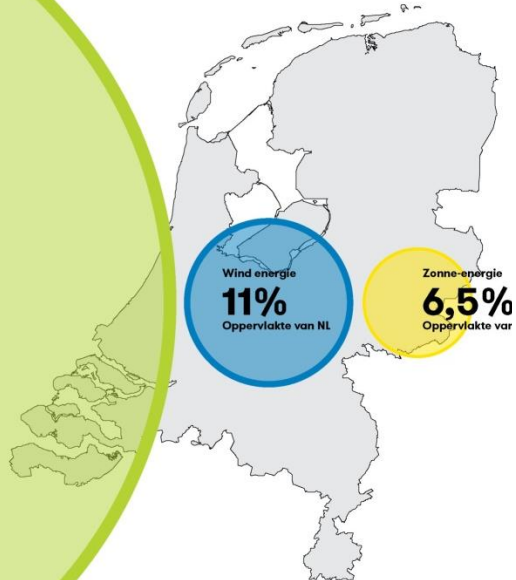
karres+brands

Future challenges

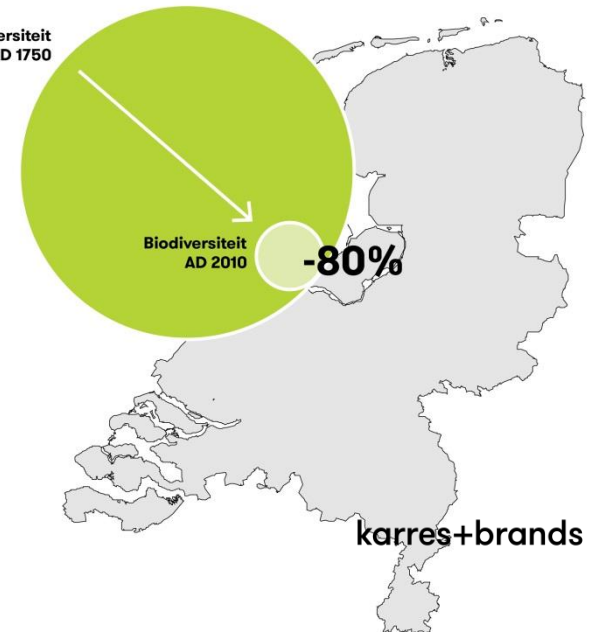
Challenges for the future



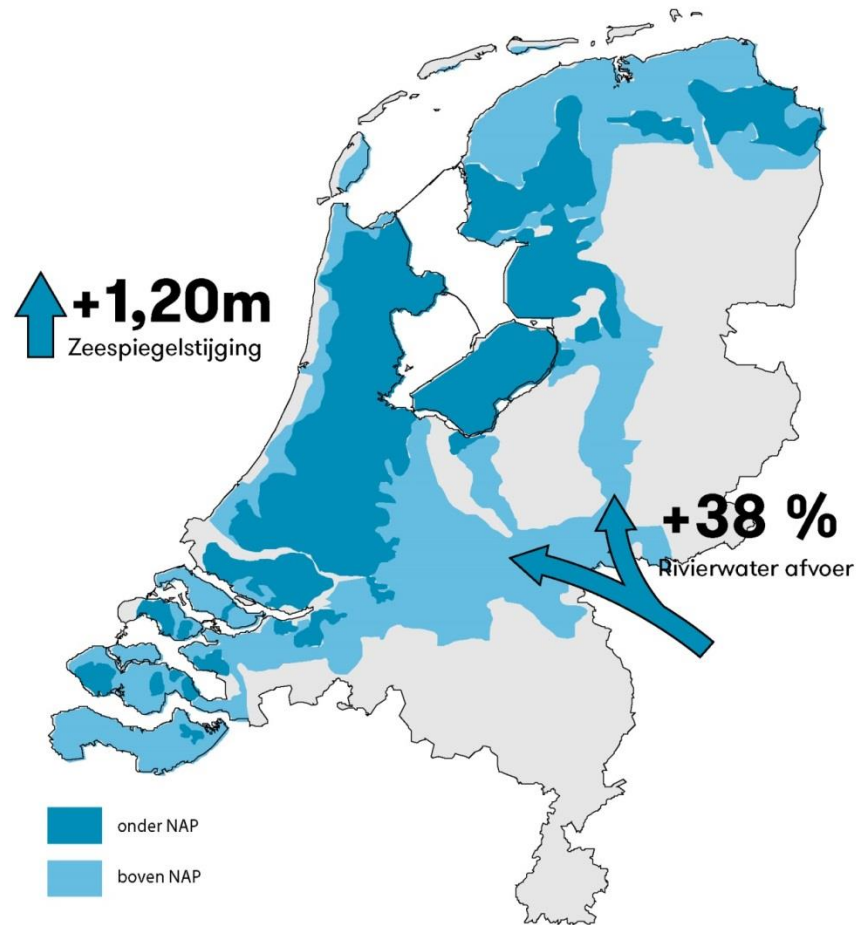
Biomassa
320%
Oppervlakte van NL



Biodiversiteit
AD 1750



Subsidence / Sea level rise



National Delta Program



Coast protection



karres+brands

© Foto van Dijk

2003



karres+brands

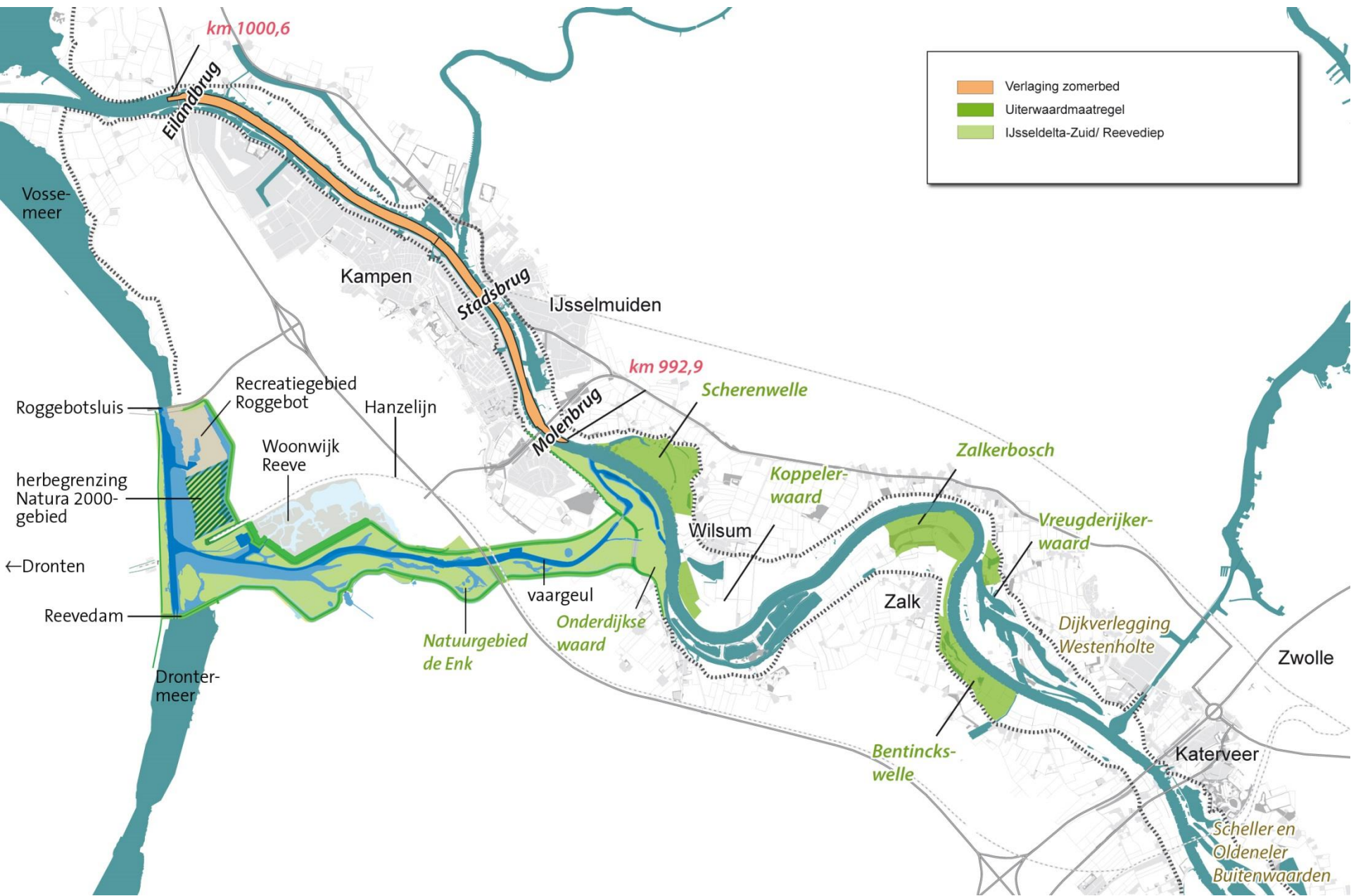
2009

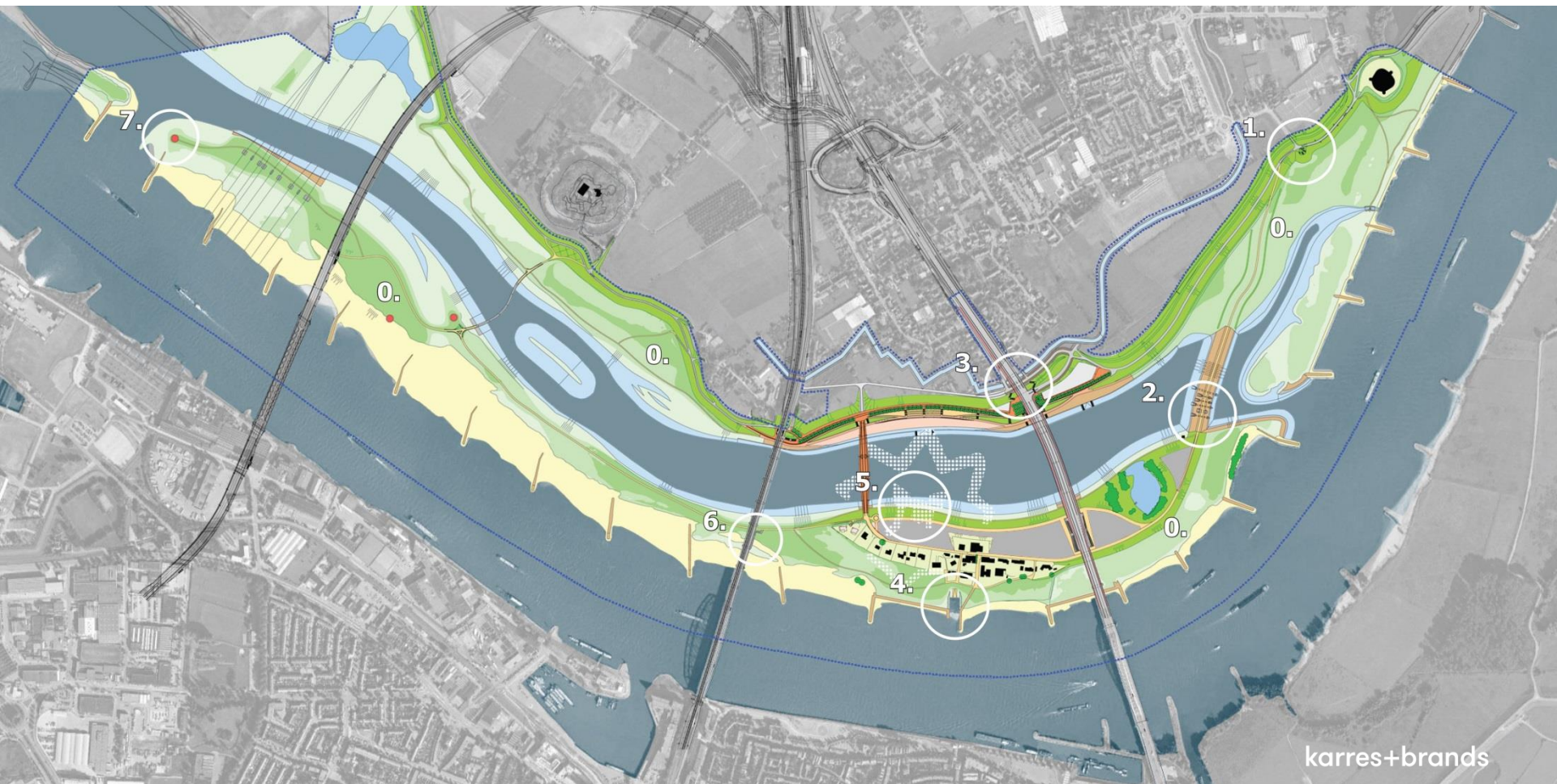


karres+brands

National project “Room for the River”







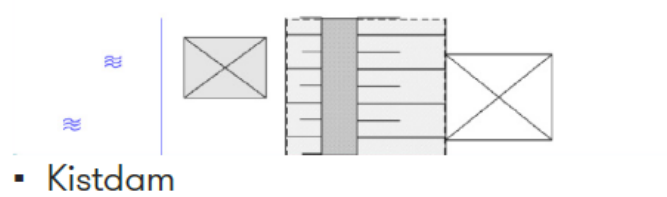
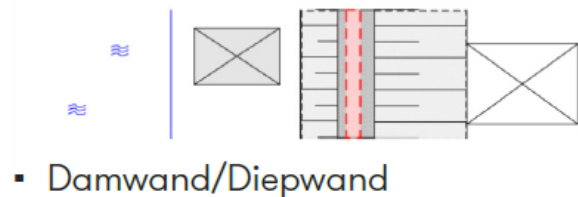
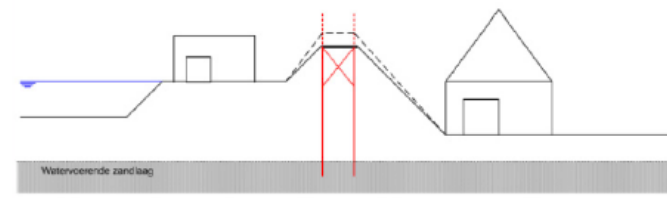
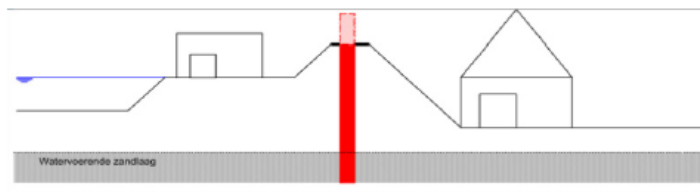
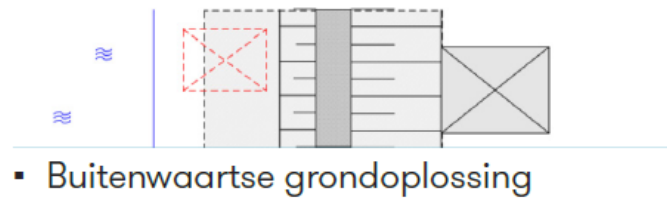
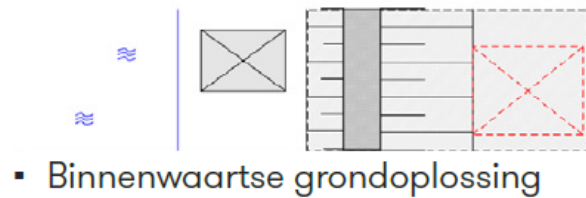
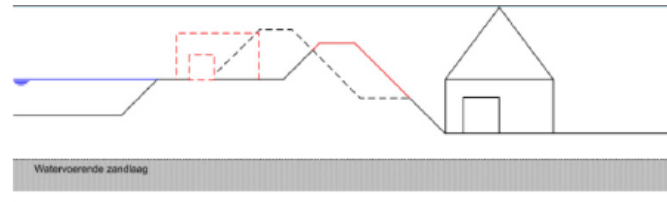
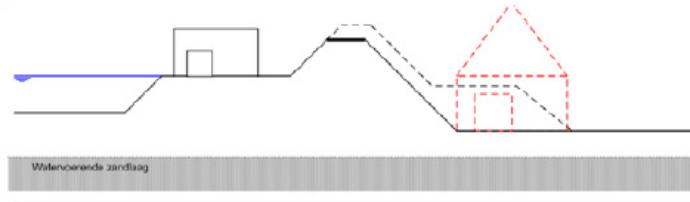


KIJK – Dike reinforcement Hollandse IJssel

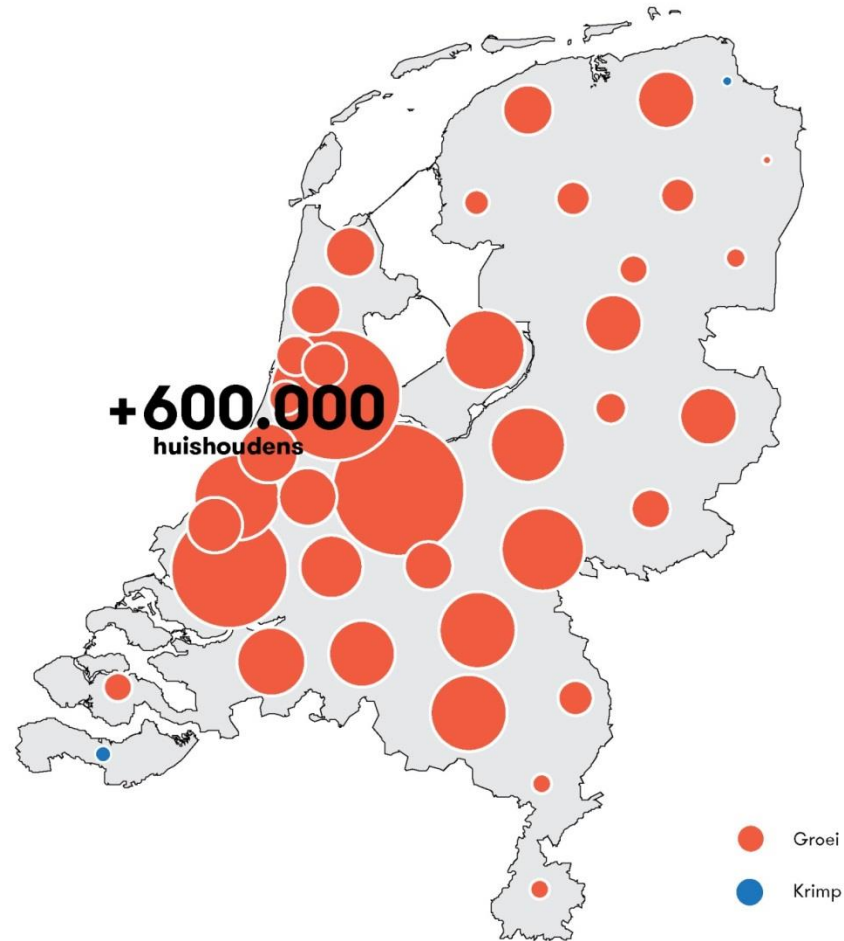




KIJK – Dike reinforcement Hollandse IJssel



Population growth



Amsterdam region 2040: + 250,000 households

Visie Amsterdam 2040

Waterfront

- wonen - werken
- werken - wonen
- werken
- projecten in planvorming of recent gerealiseerd

Uitrol

- wonen - werken
- werken - wonen
- beperkte kwaliteitsimpuls stadsstraten en -pleinen
- kwaliteitsimpuls stadsstraten
- kwaliteitsimpuls pleinen
- Marine etablissement
- kwaliteitsimpuls stadspark

Zuidflank

- Zuidas
- wonen - werken
- werken - wonen
- werken
- projecten in planvorming of recent gerealiseerd

Metropolitaan landschap

- 1. Amstelscheg
- 2. Amsterdamse Bosscheg
- 3. Tuinen van west
- 4. Brettentzone
- 5. Zaanseescheg
- 6. Waterland
- 7. Diemerscheg
- 8. IJmeerscheg

Algemeen

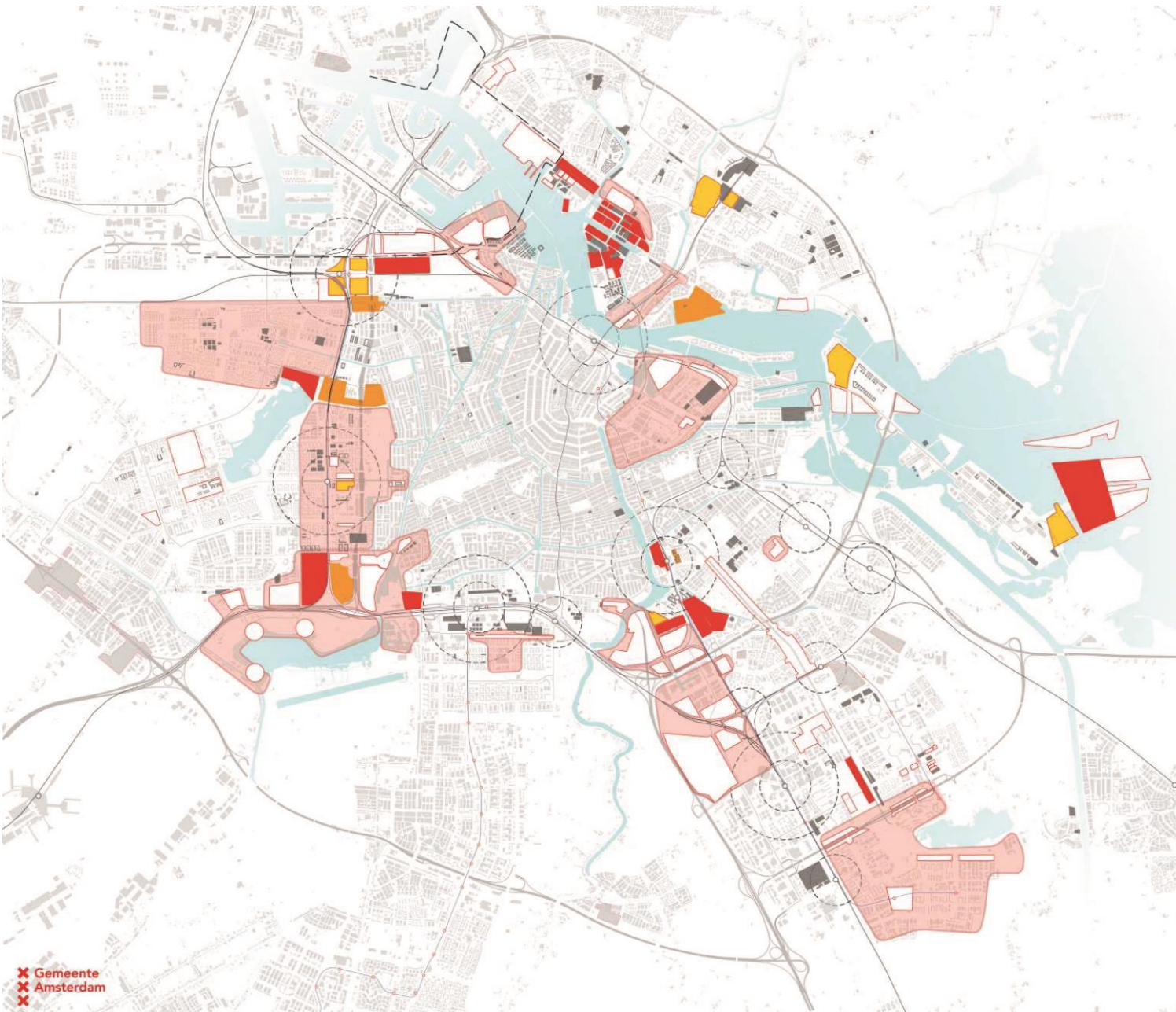
- capaciteitsuitbreiding snelweg bovengronds
- capaciteitsuitbreiding snelweg ondergronds
- hogesnelheidslijn
- HOV (bus/tram/metro) bovengronds
- HOV (bus/tram/metro) ondergronds
- internationaal OV knooppunt
- hoofd OV knooppunt
- secundair OV knooppunt
- optie Regionaal Schiphol - Almere
- optie Oostwest metrolijn
- nieuwe pont-/veerverbinding
- ondergrondse verbinding
- P+R locatie
- zeesluis
- 2^e zeeceruise terminal
- wachtplaats binnenscheepvaart
- intensivering RAI-terrein
- topwinkelgebied
- intensivering haven
- stadsverzorgend bedrijventerrein
- kwaliteitsimpuls stadsdeelcentrum
- jachthaven
- zoeklocatie uitbreiding havengebied
- (grond-)water gerelateerd project
- 2^e terminal Schiphol
- optie locatie Olympische Spelen
- studiegebied
- regionale fietsroute
- Stelling van Amsterdam
- strand
- metropolitane plek
- recreatief programma
- suggestie natuurontwikkeling
- ontwikkeling watterand
- kwaliteitsimpuls overgang stad-scheg
- Sportas
- Kompas-eiland en fietsbrug

* Voor studiegebied Haven-Stad is scenario 3 weergegeven, met uitzondering van Buiksloterham. Voor het gehele studiegebied Haven-stad geldt dat naar aanleiding van toekomstige studies verschuivingen mogelijk zijn. Mogelijke ontwikkelingen aan de zuidoever van de Gaasperplas zijn onderwerp van studie bij de Verkenning Gaasperdam.

** Als uit de plannen van Haven-Stad blijkt dat een verbinding nodig is, dan wordt deze gerealiseerd in de vorm van een tunnel.



City of Amsterdam 2025: + 50,000 households



Ruimte voor de Stad Koers 2025

LEGENDA

- Lopende projecten (RvS nov. 2015)
- Projecten buiten de gemeente Amsterdam (RvS nov. 2015)
- Versnellingslocatie 2014 Tranche 1 (investeringsbesluit)
- Versnellingslocatie 2014 Tranche 2 (strategiebesluit)
- Voorstel Nieuwe projecten 2016 Tranche 3
- Gebiedsuitwerking 2016 gericht op Nieuwe Projecten 2017-2018
- Strategische ruimte voor de stad ten behoeve van gebiedsontwikkeling na 2020
- Pas-op-de-Plaats convenant 2009
- OV-knooppunten

karres+brands

Ijburg 2002



Ijburg 2004



karres+brands

Ijburg 2010



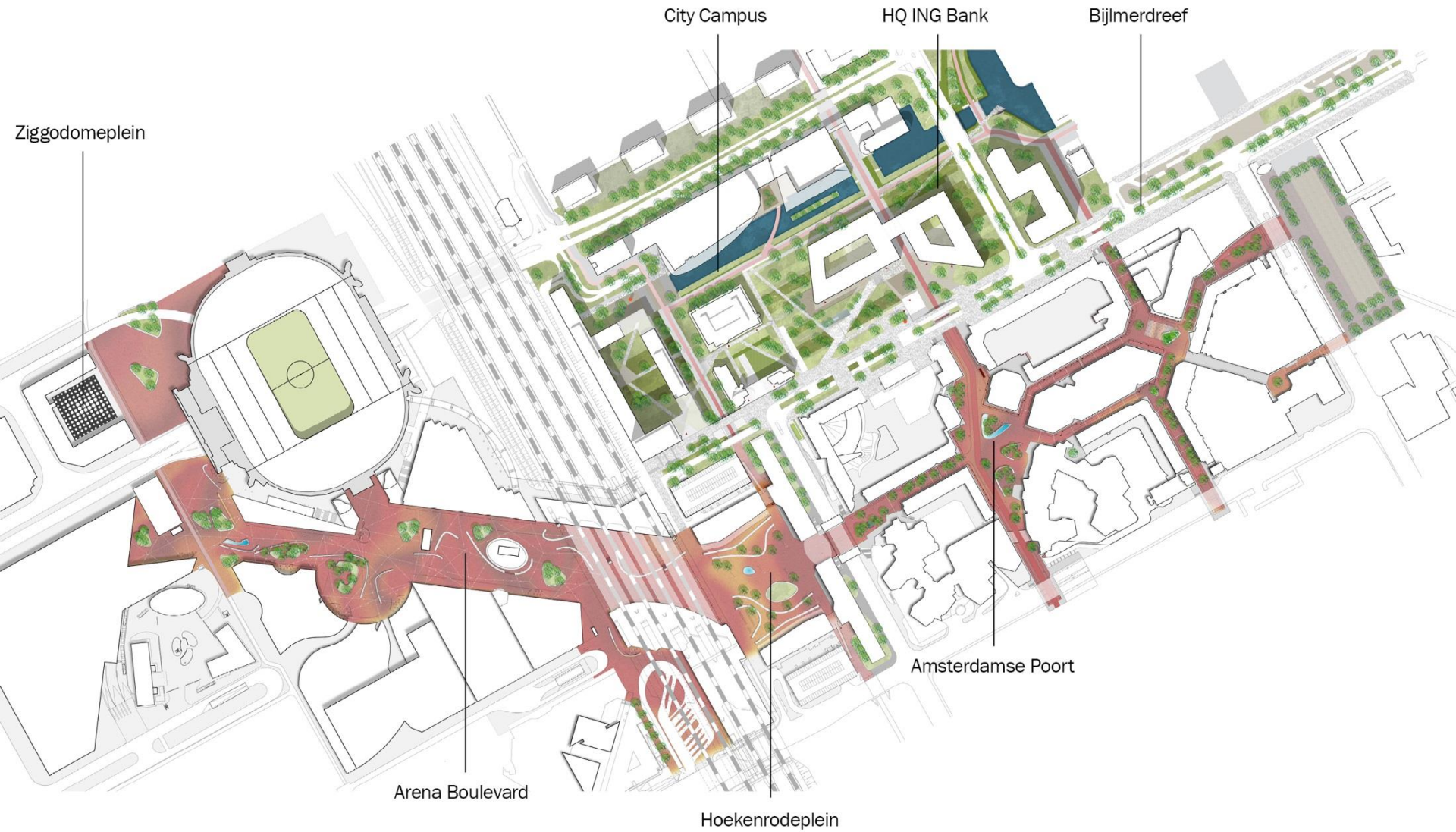
karres+brands

Ijburg 2014



karres+brands

New city center Amsterdam South East



New railway station

 Amsterdam Bijlmer ArenA

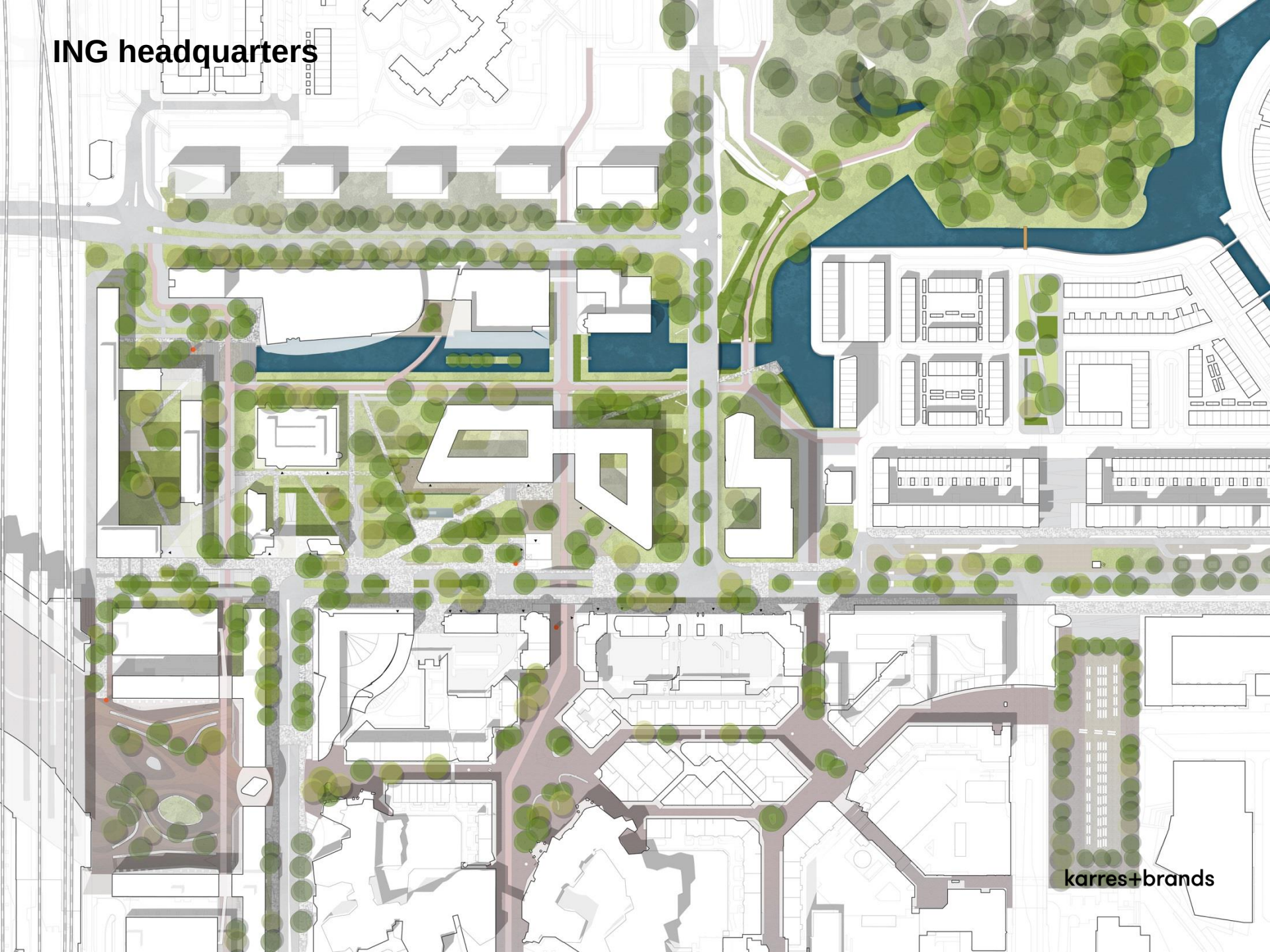
New leisurecenter



Refurbishing of the shopping center

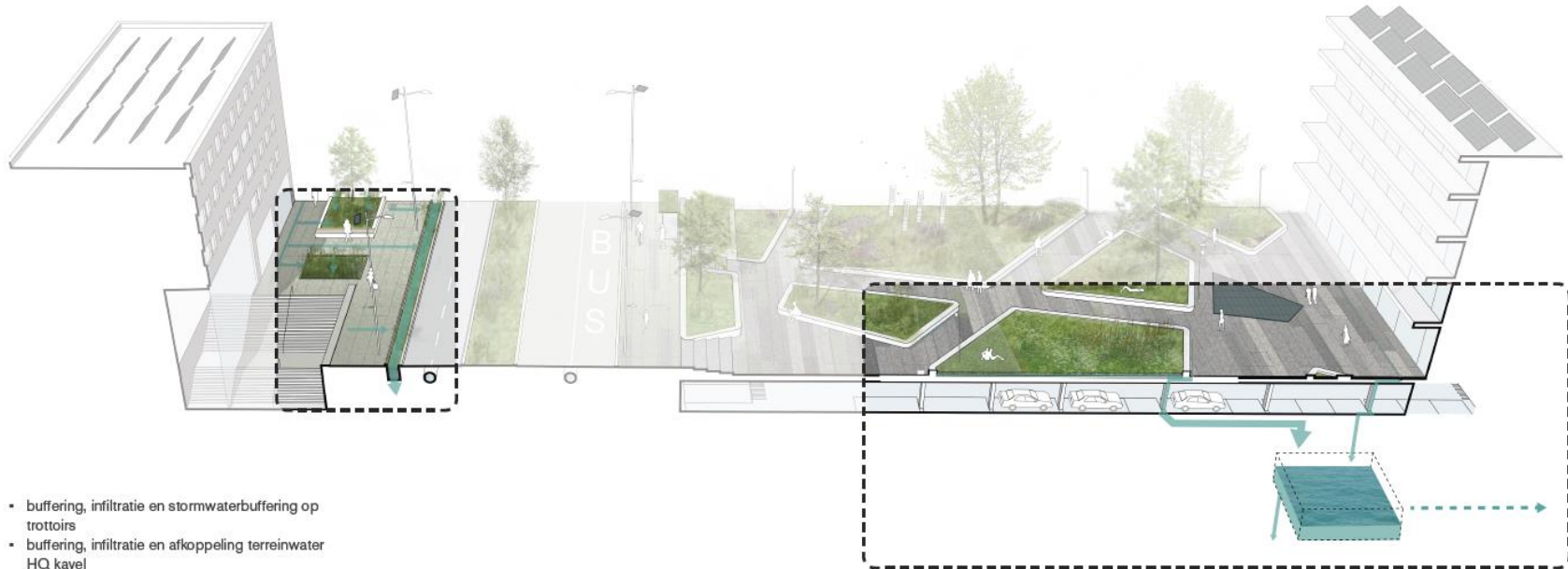


ING headquarters

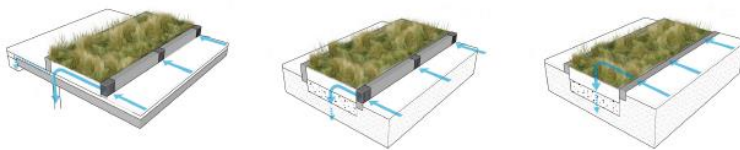


karres+brands

Sustainable streets



- buffering, infiltratie en stormwaterbuffering op trottoirs
- buffering, infiltratie en afkoppeling terreinwater HQ kavel
- buffering en infiltratie Garzenhoefpad



Urban transformation

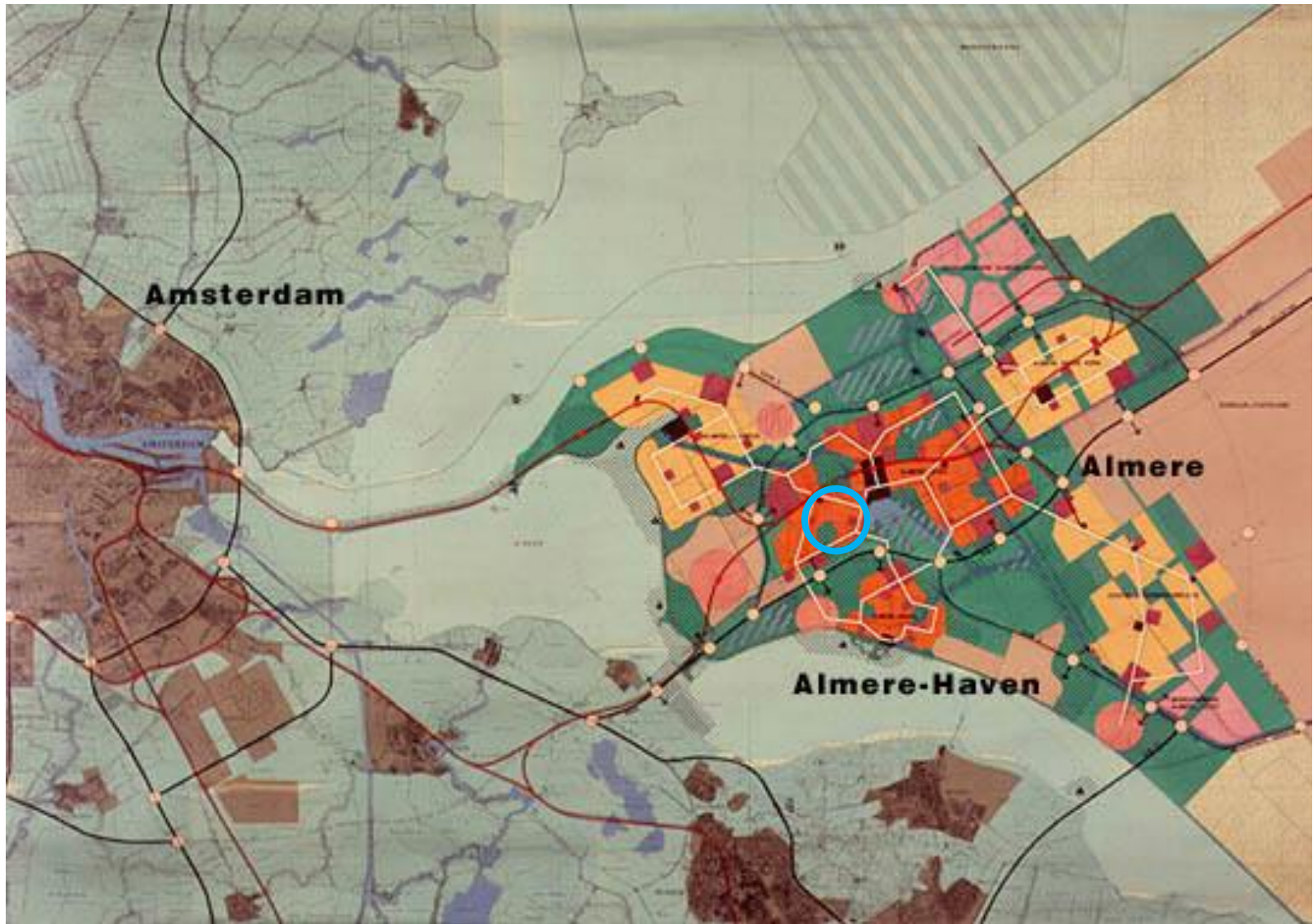


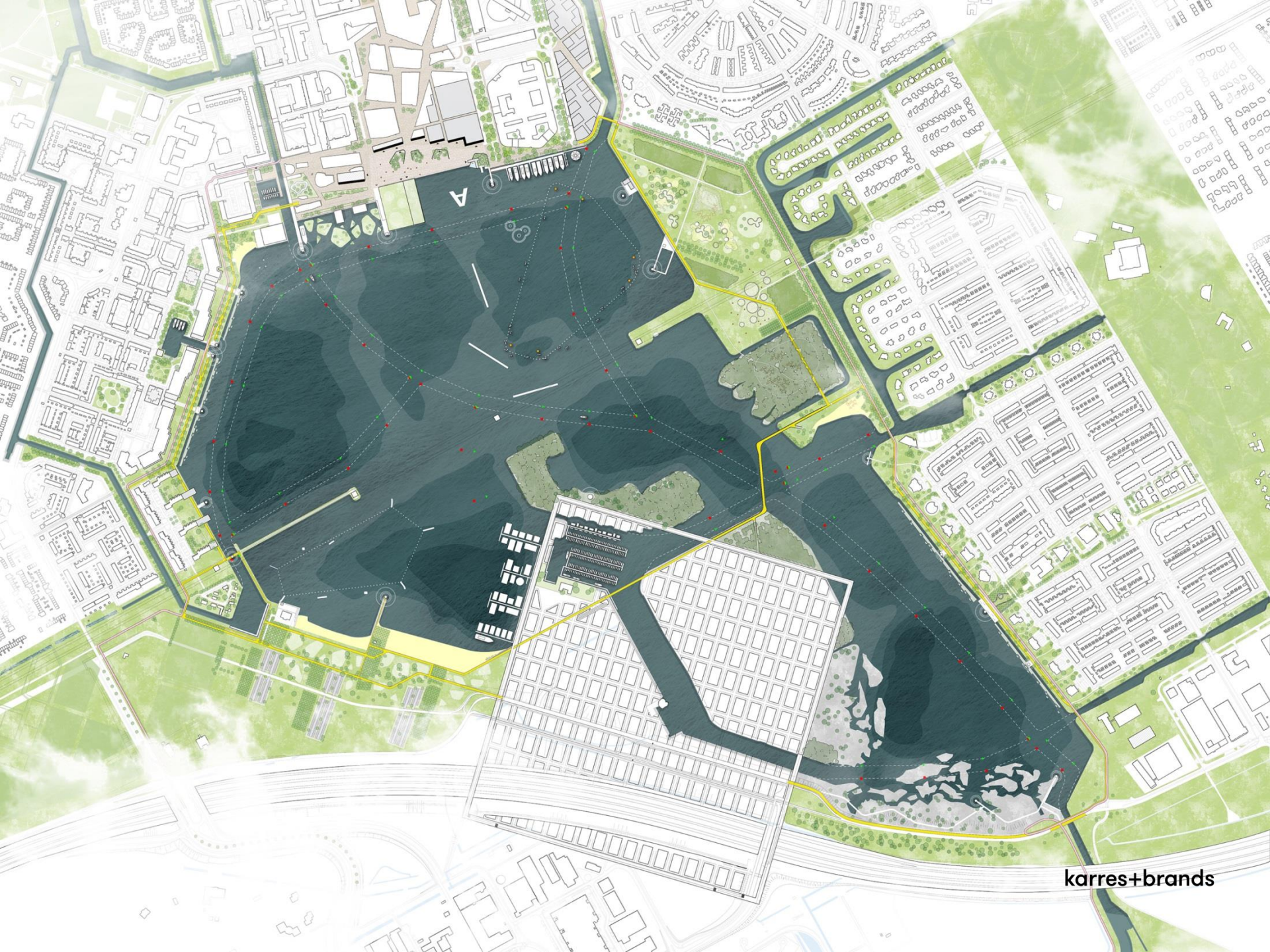
Current situation

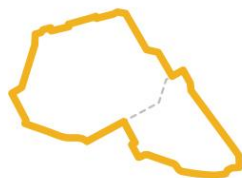


Future situation

Weerwater Route, Almere







R1: 7 km



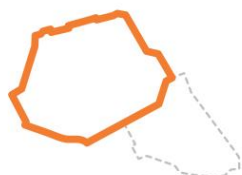
28 min



42 min



84 min



R2: 4.8 km



19 min



29 min



58 min



R3: 3.6 km



15 min



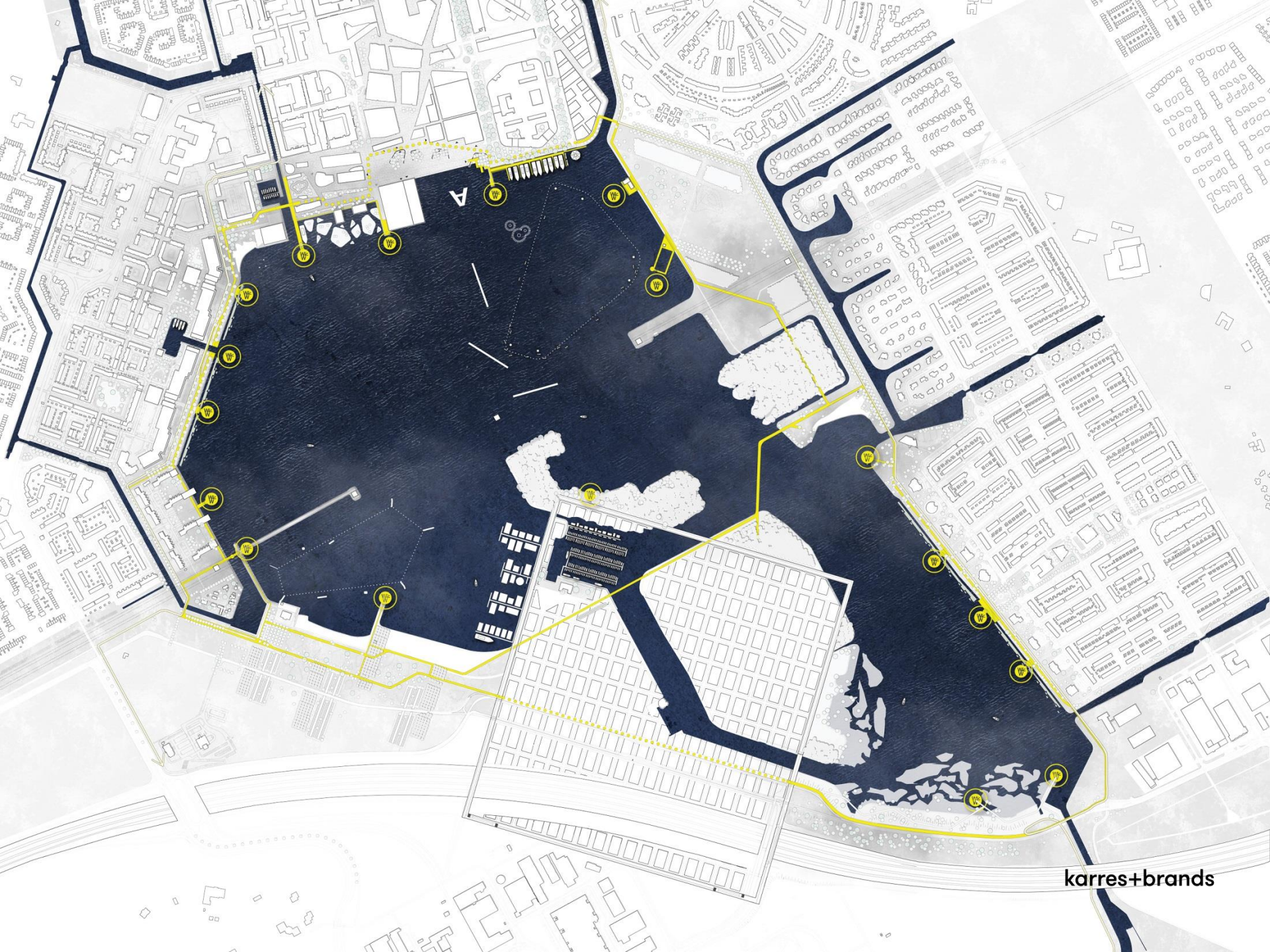
22 min



43 min



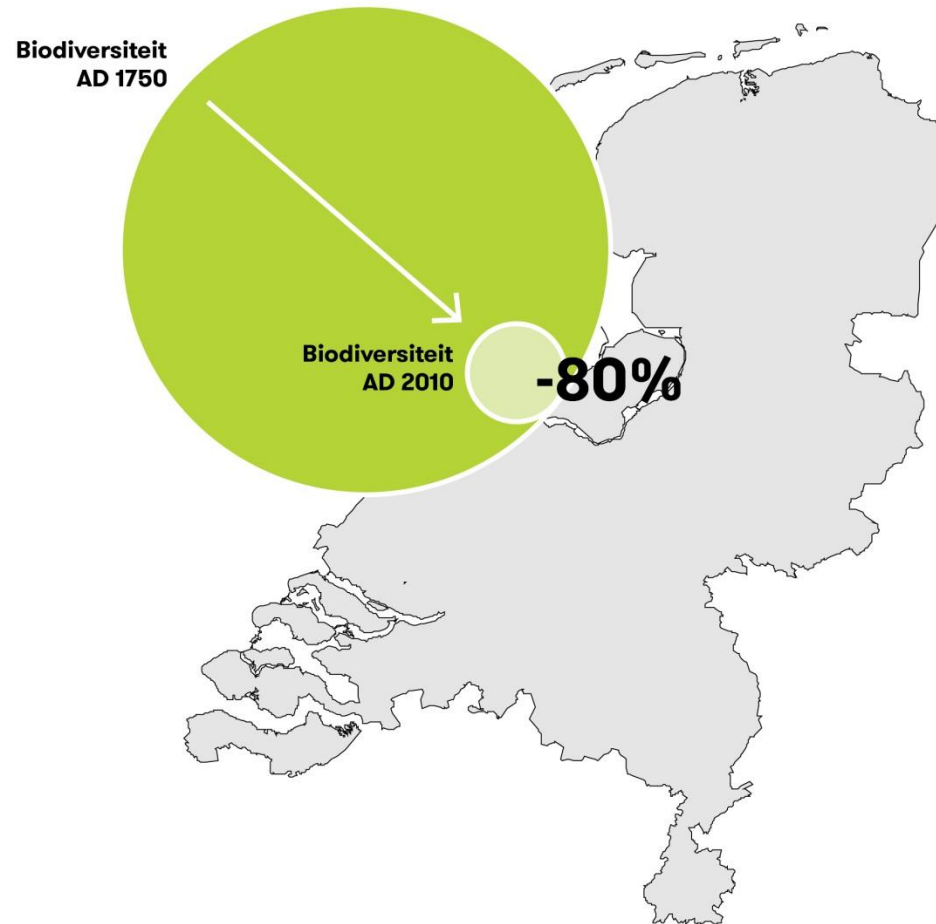








Biodiversity decline



Netherlands National Ecological Network





arres+brands

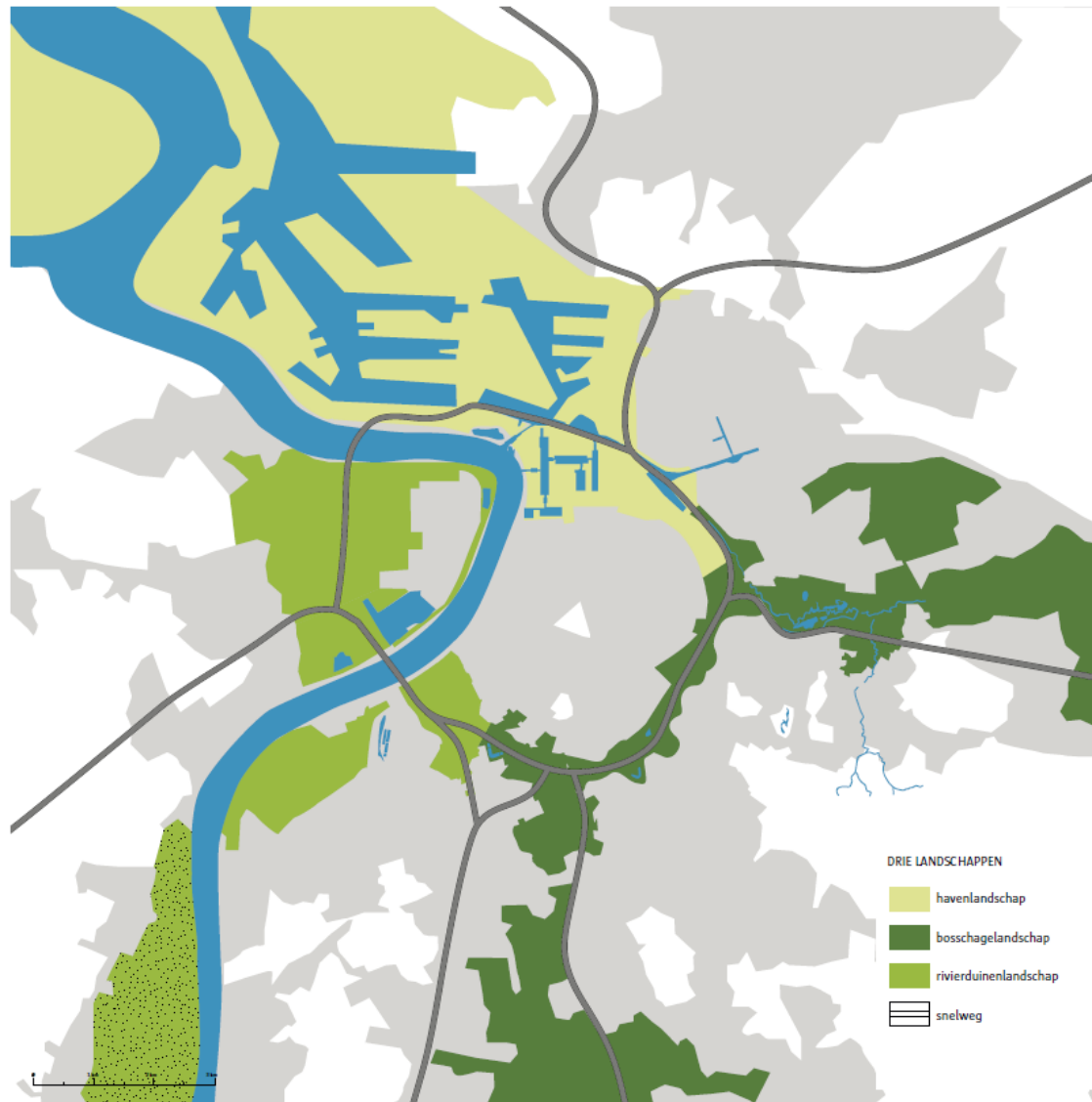
Plankaart OostvaardersWold



Groene Singel, Antwerp (BE)



Ecological network of 3 different landscape typologies

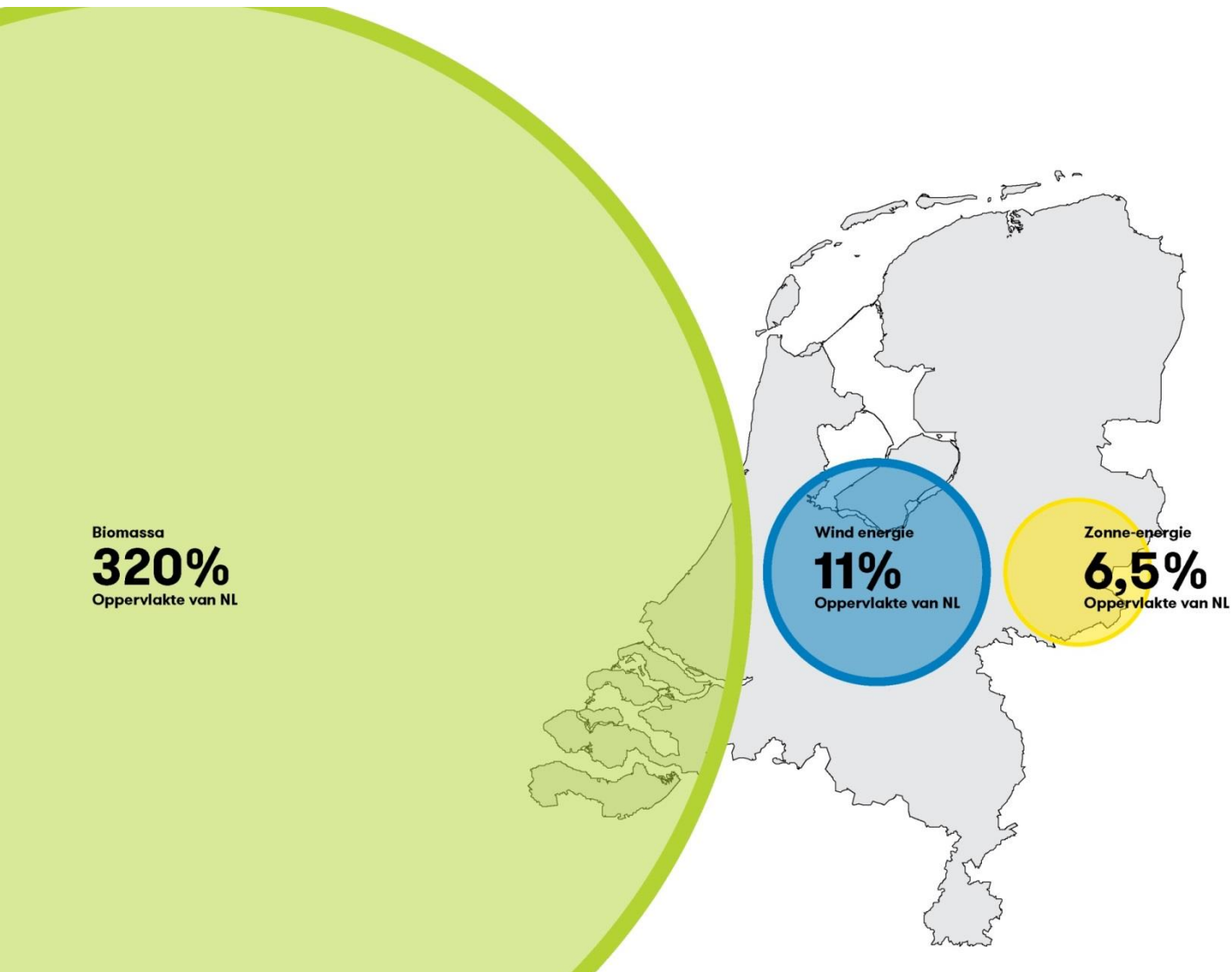


C

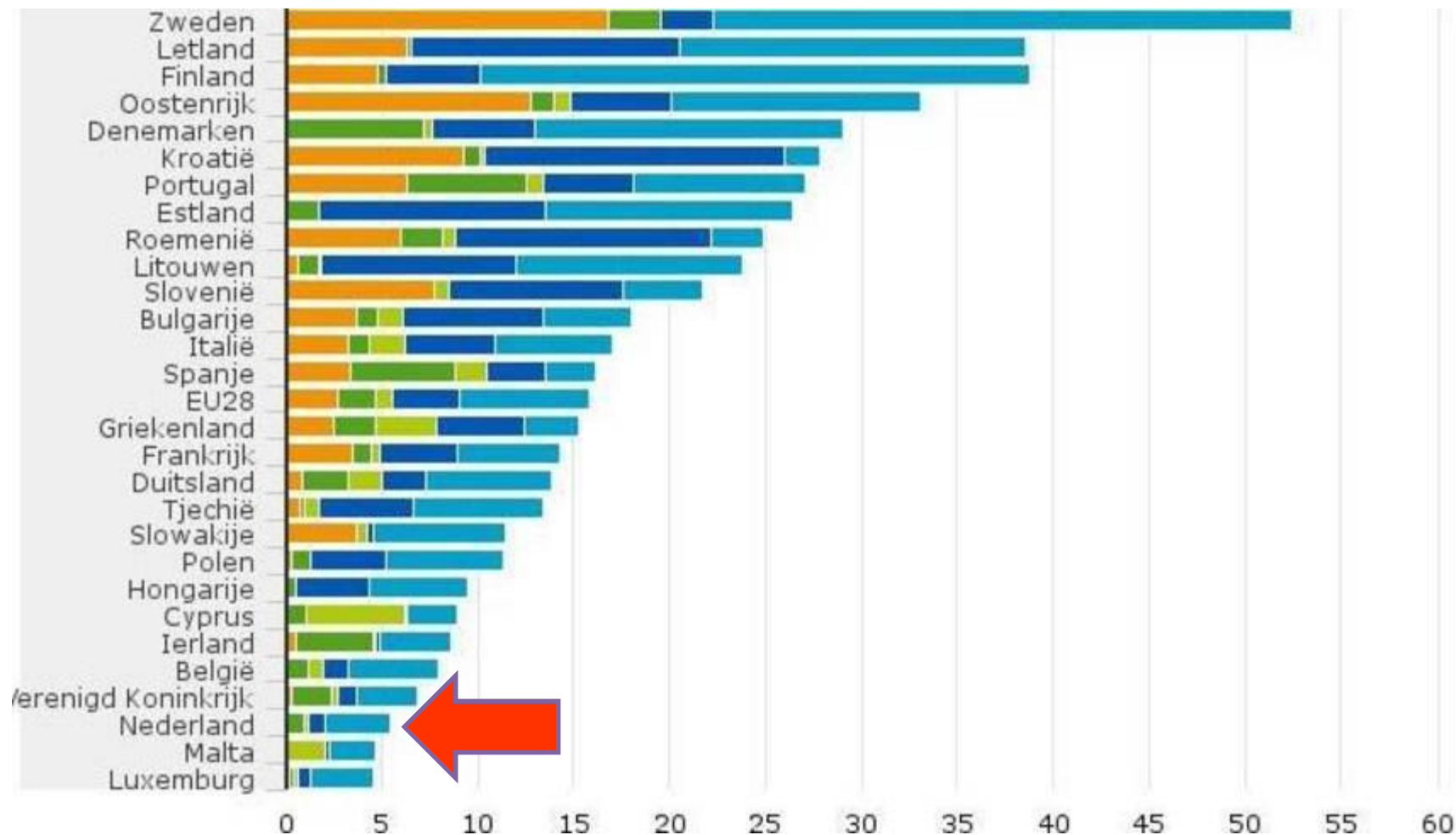


karres+brands

Energy transition



The Netherlands are far behind!



We have to search for alternatives for gas



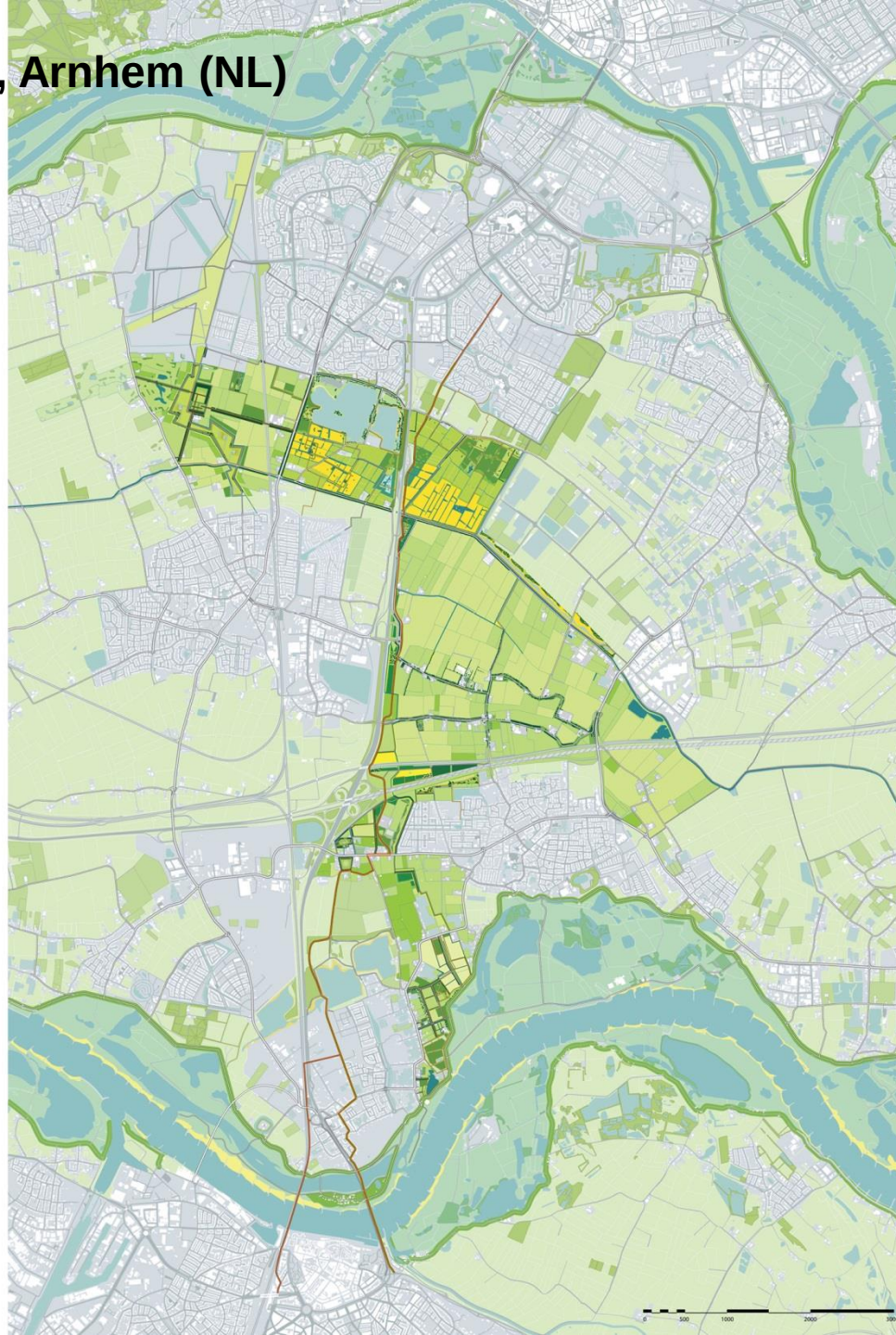
karres+brands

Study of integration possibilities renewable energy A6 Highway

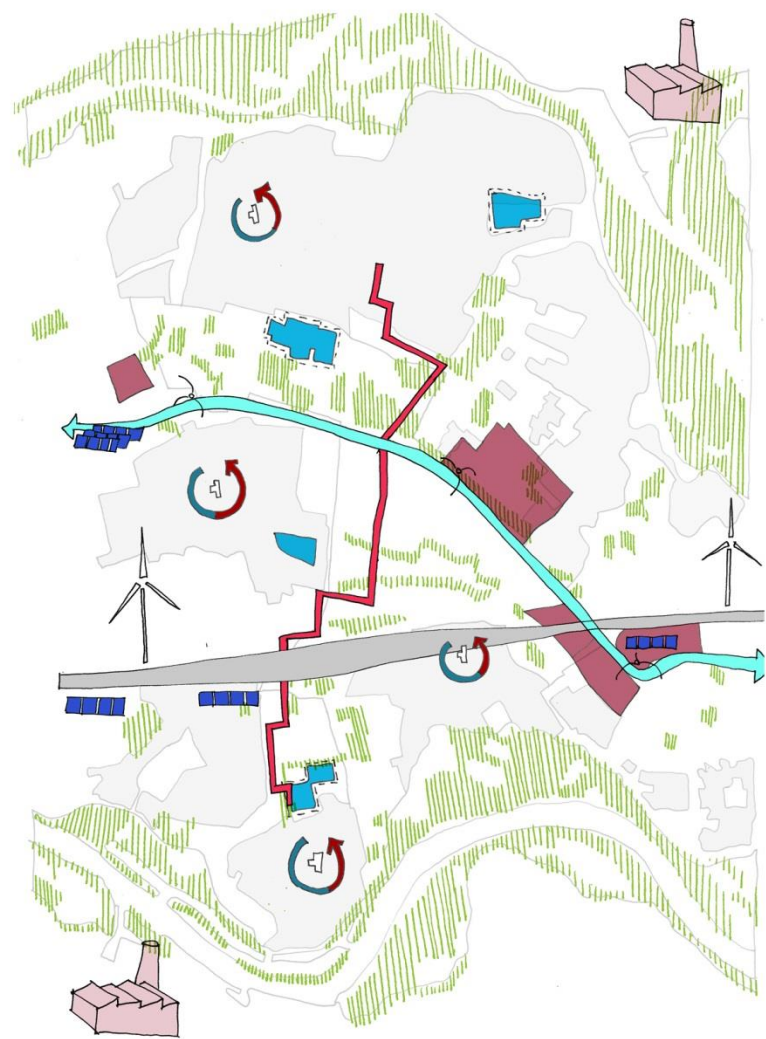


Lingezege Park, Arnhem (NL)

1700 ha

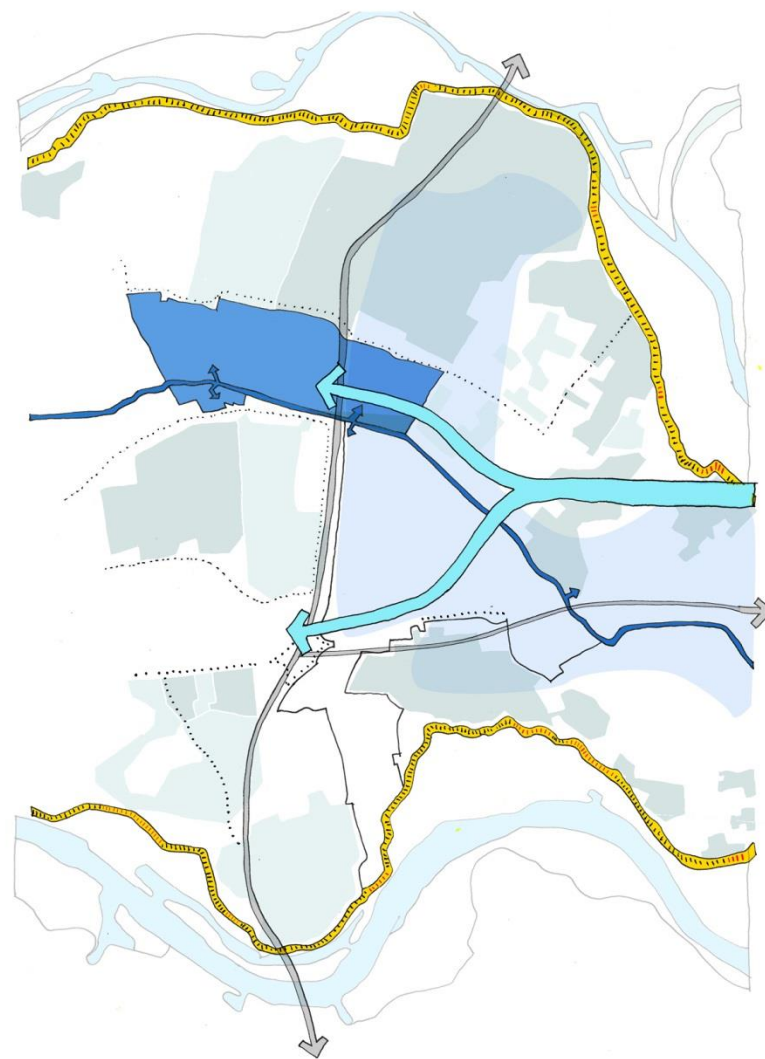


Sustainable energy



Opportunities for sustainable energy

Adaptive watermanagement



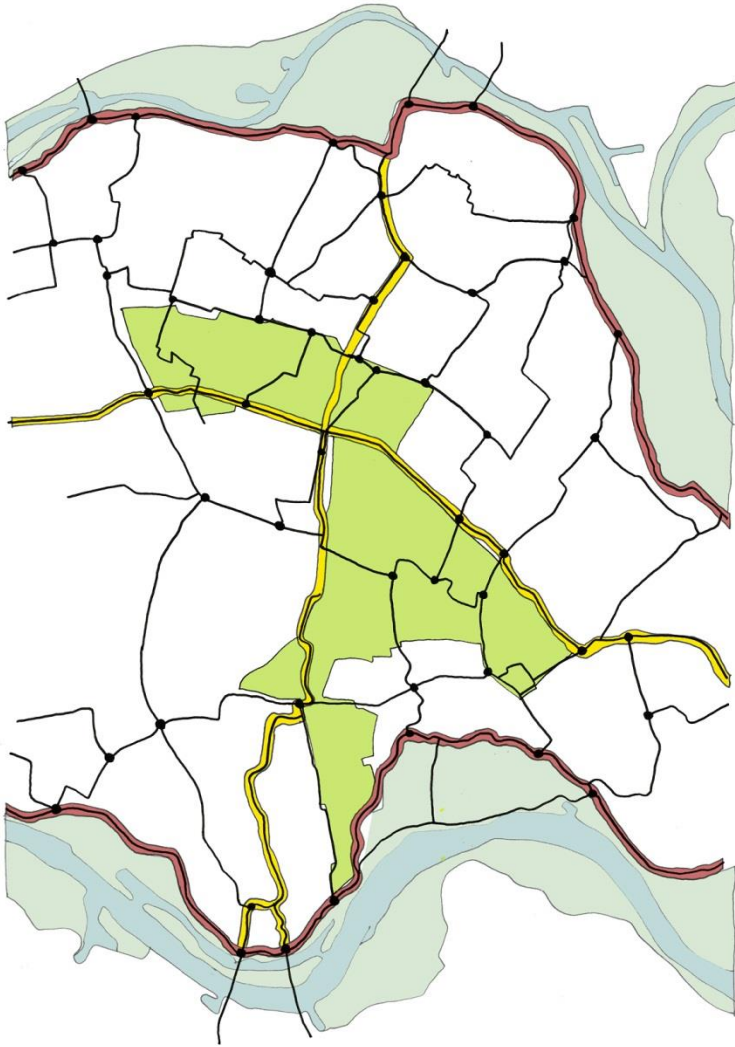
Adaptive water management

AMBITION: SUSTAINABLE ENERGY



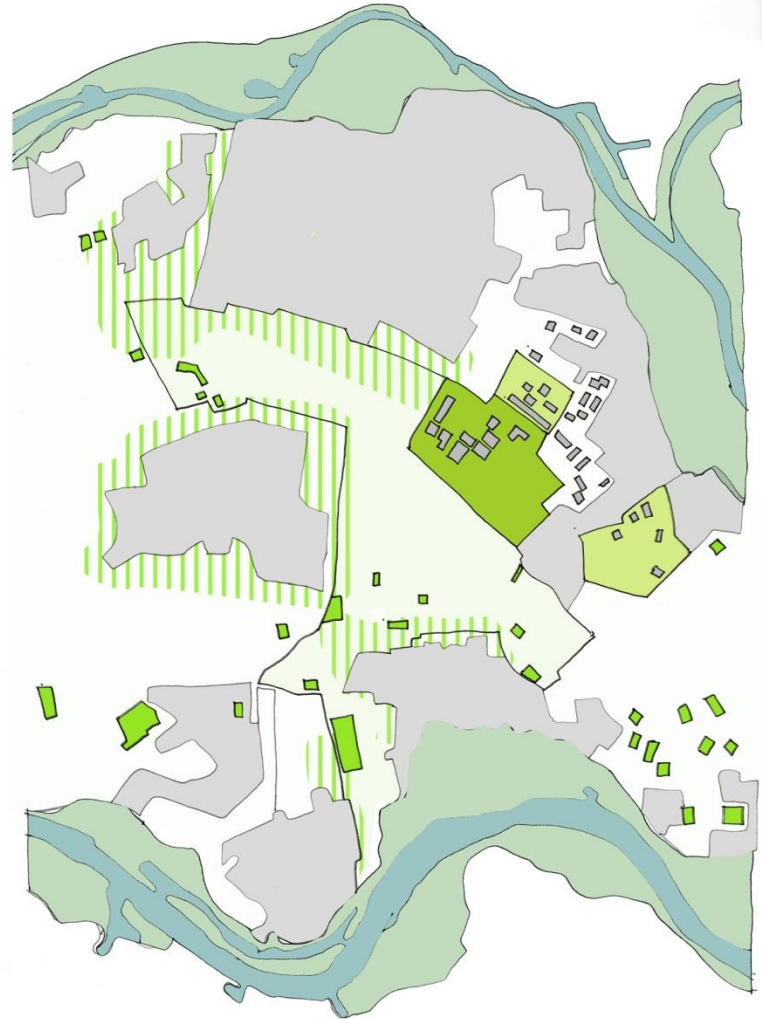
Smart polder: energie uit de polder

Active recreation and health



Active recreation and health

Urban agriculture



Opportunities for urban agriculture

Active recreation and health



AMBITION: URBAN AGRICULTURE



FOOD FOREST



Voedselbos Ketelbroek

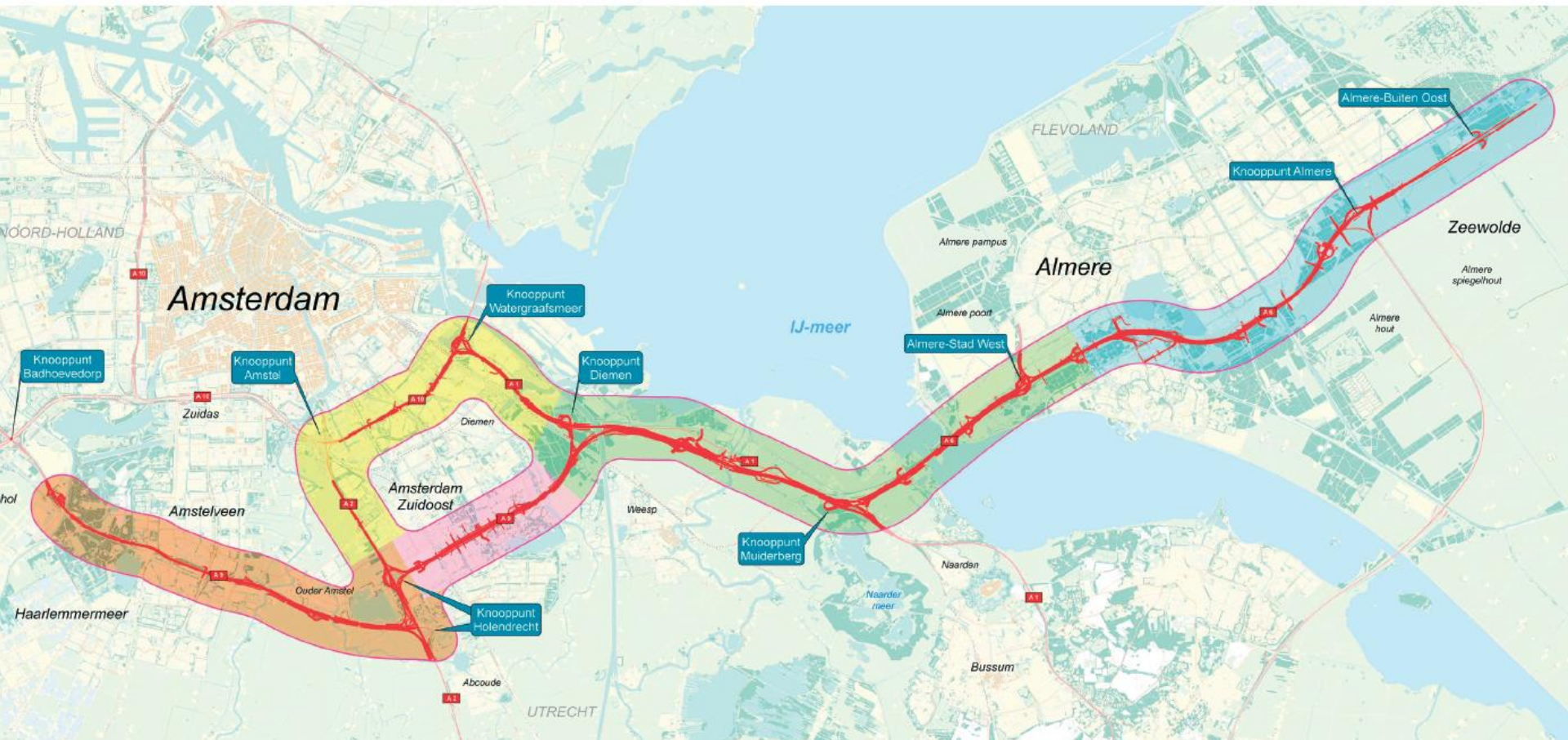
Infrastructure – extension of the highway network





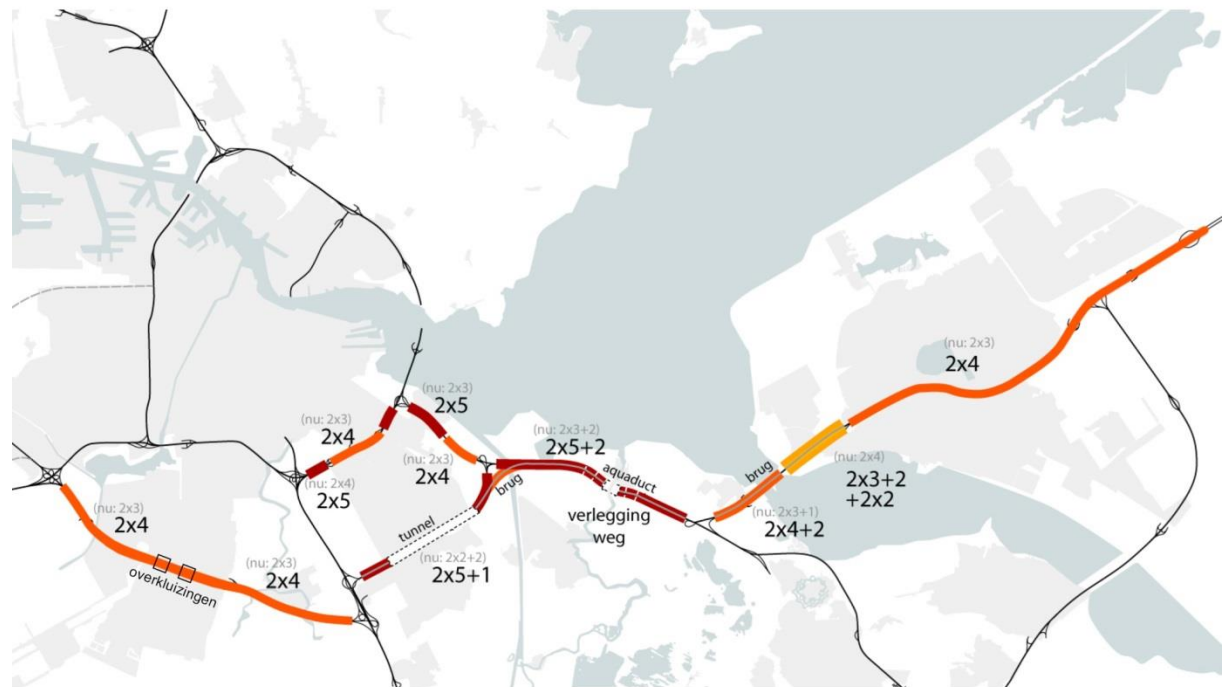


Schiphol-Amsterdam-Almere SAA Supervisor since 2010



Schiphol-Amsterdam-Almere SAA

- 63 km verbreding**
- 56 aan te passen kunstwerken**
- 47 nieuwe kunstwerken**
- 36 km geluidsschermen**
- 10 ecopassages**
- 4 verzorgingsplaatsen**
- 2 nieuwe bruggen**
- 1 nieuwe spoorbrug**
- 2 overkluizingen**
- 1 tunnel**
- 1 aquaduct**

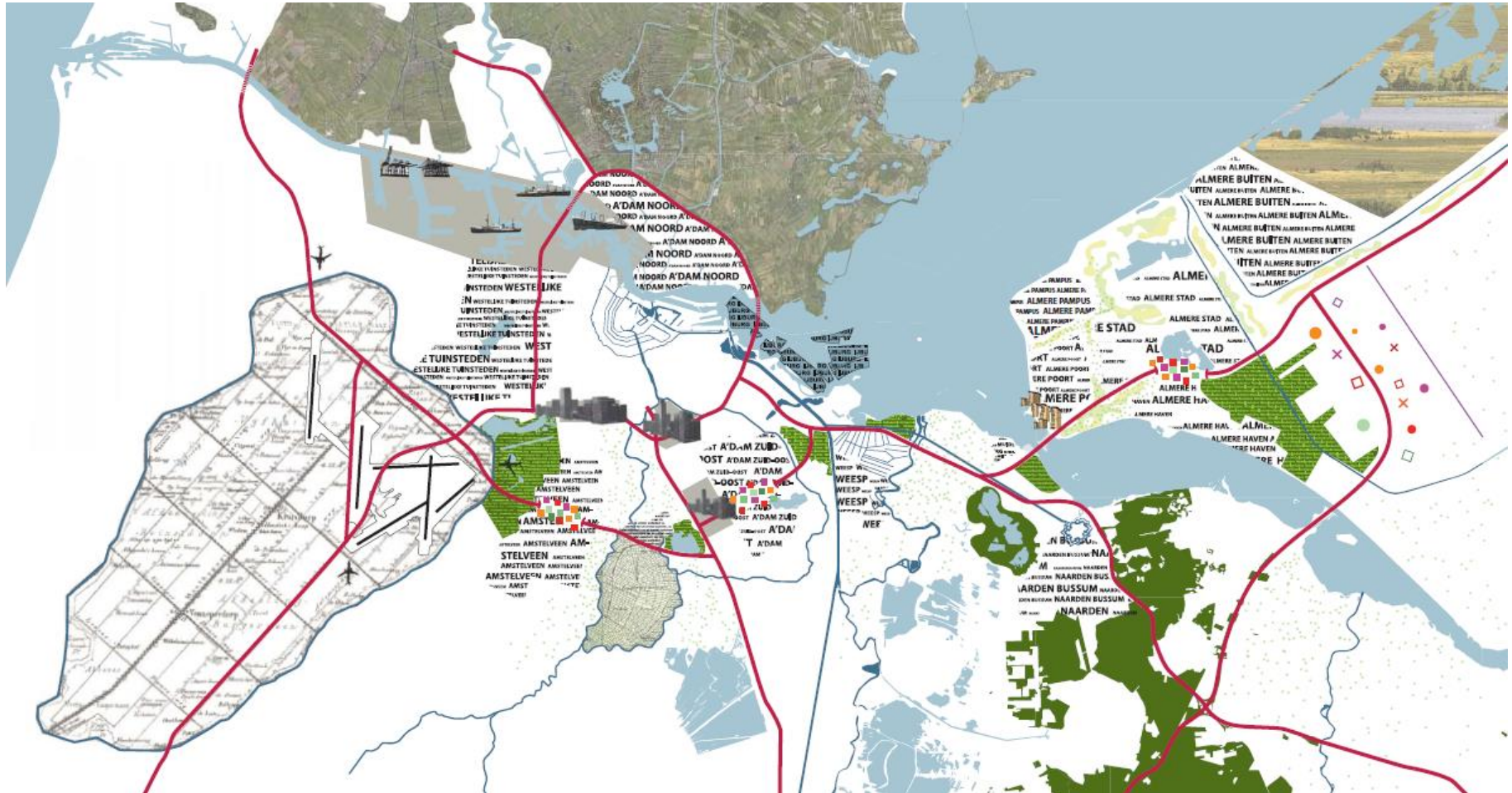


SCHIPHOL - AMSTERDAM - ALMERE

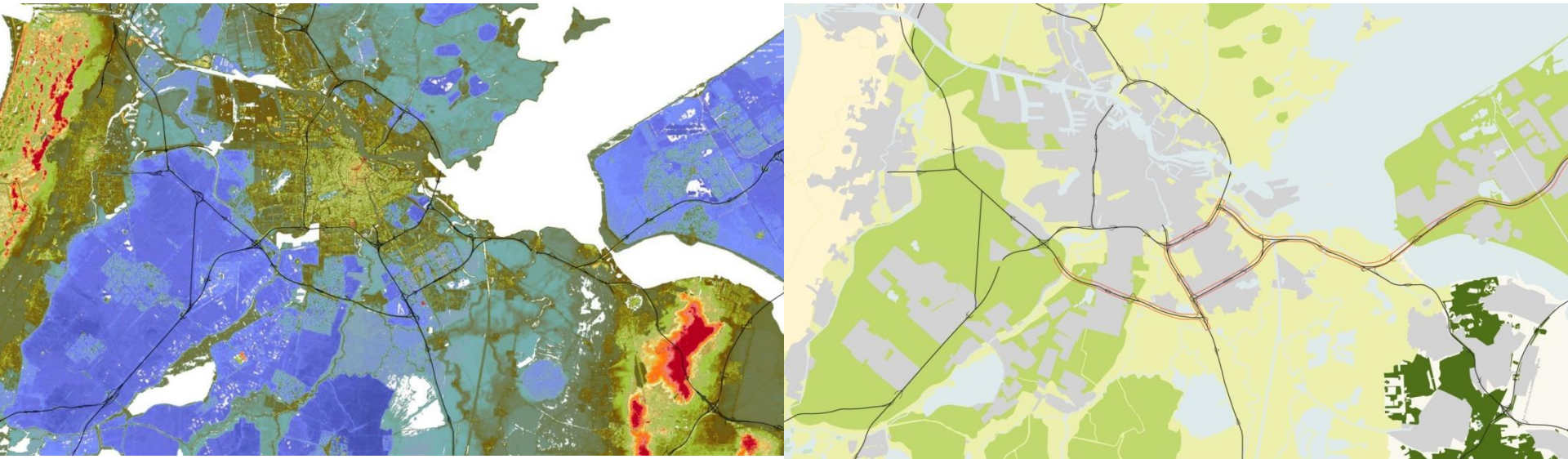
masterplan



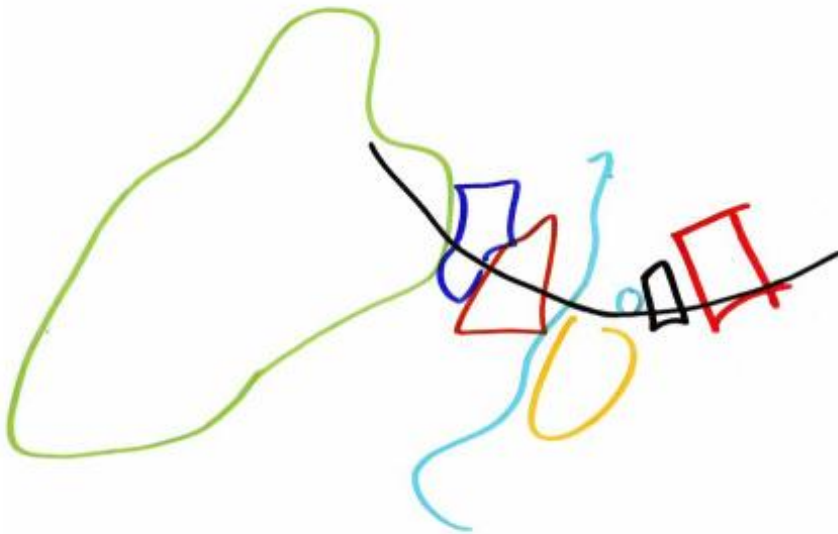
Collage landscape



Based on underlying geomorphology



Maintaining identity distinct areas



Dutch light vs. color use



Guidelines

- 1** THE AREA DOMINATES, THE HIGHWAY FACILITATES
- 2** PRESERVE AND ENHANCE THE IDENTITIY AND RECOGNITION OF THE LANDSCAPE AND URBAN UNITS AND OPTIMIZE THE VISIBILITY OF DIVERSITY
- 3** CHOOSE PLANTING THAT ENHANCES THE IDENTITY OF THE AREA
- 4** ORDER, CONTINUITY AND RESTRAINT IN ALL DESIGN ELEMENTS OF THE HIGHWAY
- 5** ACCOMODATE THE NOISE BARRIERS ON BIG LANDSCAPE UNITS AND DON'T MAKE "BACK SIDES"
- 6** DESIGN OF THE INFRASTRUCTIONAL WORKS INCREASES RECOGNITION OF VARIOUS HIGHWAYS
- 7** INCREASE ORIENTATION AT NODES

SAA has great spatial impact!



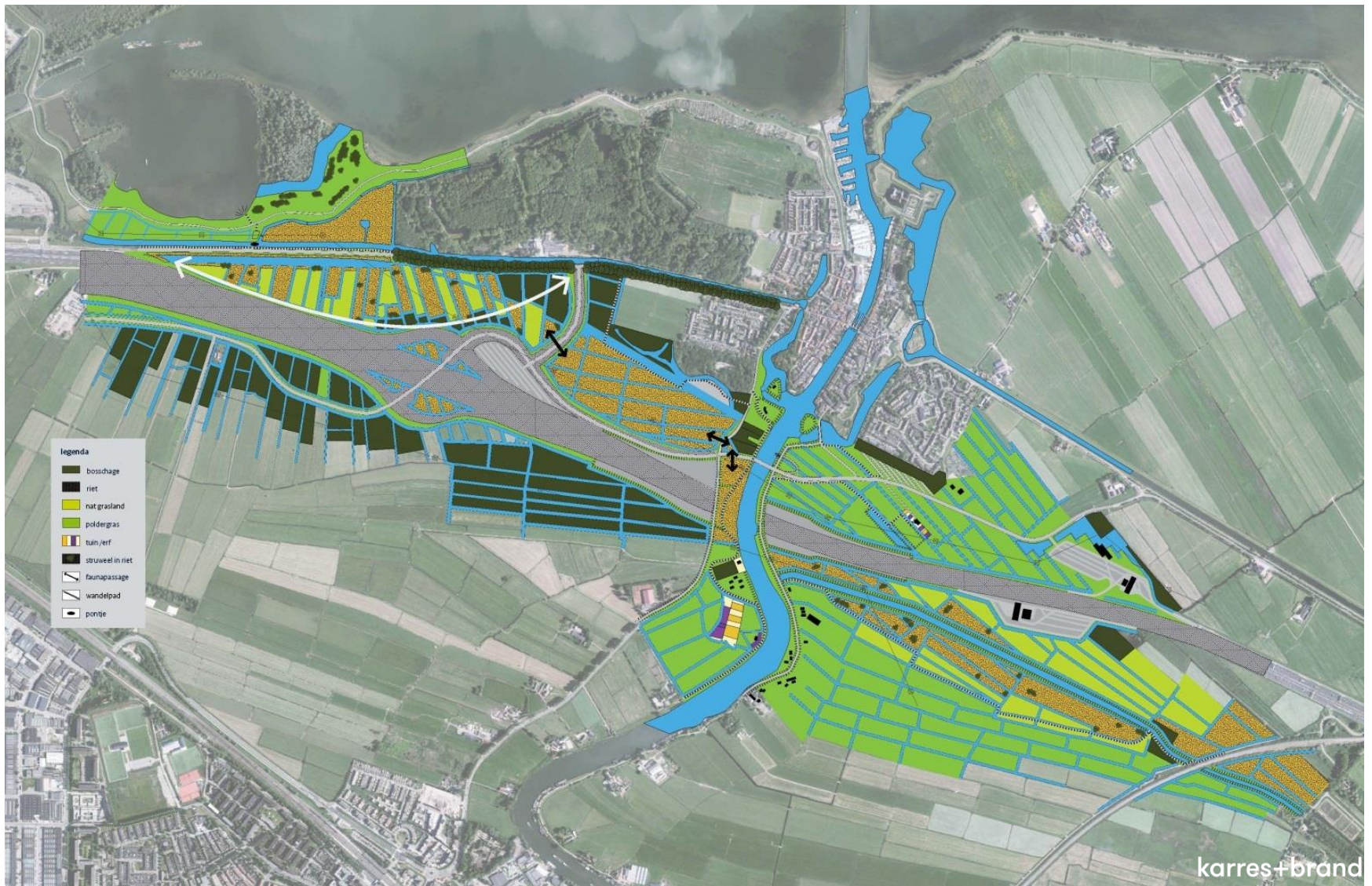
But also provides new opportunities...

Construction of Aquaduct and National Ecological Network connection





Construction Waterlandtak – National Ecological Network



Muiden Aquaduct



Gaasperdammerweg Tunnel A9 Highway

Connecting two parts of the city and construction of a park



De huidige situatie

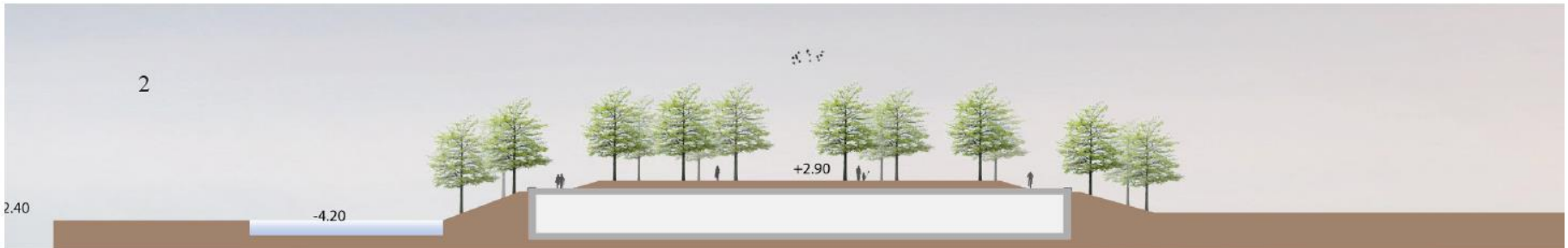


Tijdelijke situatie v.a. de zomer in 2016



De nieuwe situatie in 2020. De A9 loopt dan door een 3 kilometer lange tunnel

Section Gaasperdammerweg Tunnel A9 Highway



Study deepened position A9 Highway in Amstelveen



Impressie samenhang schermen met goene uitstraling

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Amazing complexity

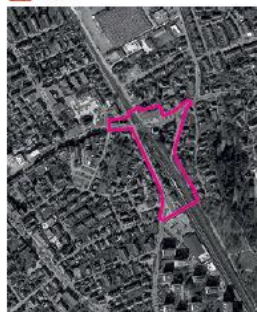


Sharing knowledge!





Prettig Wachten Moerwijk
The Hague, The Netherlands
Size: 0.66 hectares



Senden Station Area
Senden, Germany
Size: 0.9 hectares



Hengelo Station Square
Hengelo, The Netherlands
Size: 1.35 hectares



Prettig Wachten Den Helder
Den Helder, The Netherlands
Size: 1.5 hectares



Hoekenrode Square
Amsterdam, The Netherlands
Size: 1.7 hectares



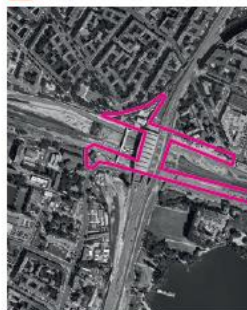
Amersfoort Station Area
Amersfoort, The Netherlands
Size: 1.95 hectares



Prettig Wachten Wolvega
Wolvega, The Netherlands
Size: 2.15 hectares



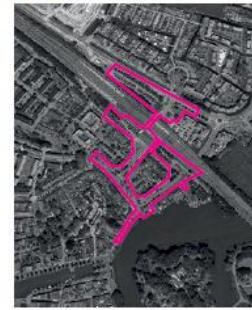
Nørreport Station
Copenhagen, Denmark
Size: 2.5 hectares



Bahnhof Ostkreuz
Berlin, Germany
Size: 2.6 hectares



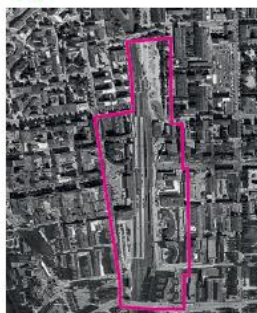
Ny Østergade
Roskilde, Denmark
Size: 3 hectares



Station Area Weesp
Weesp, The Netherlands
Size: 3 hectares



Federation Square
Melbourne, Australia
Size: 4.5 hectares



Tampere Station Area
Tampere, Finland
Size: 20 hectares



Station Area Gent-Dampoort
Gent, Belgium
Size: 22 hectares



Groningen Station Area
Groningen, The Netherlands
Size: 25 hectares



Zwolle Station Area
Zwolle, The Netherlands
Size: 28 hectares

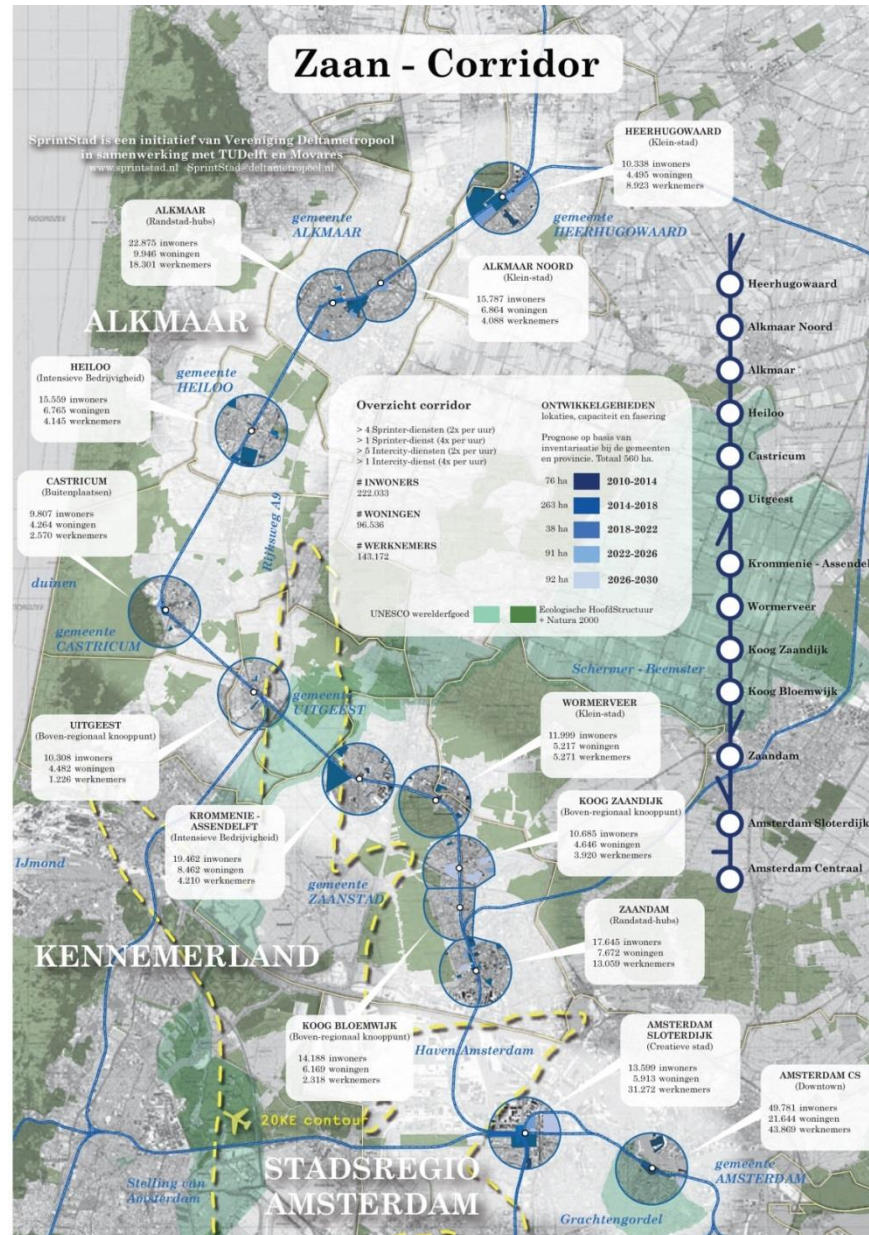


Moss Station Area
Moss, Norway
Size: 32 hectares

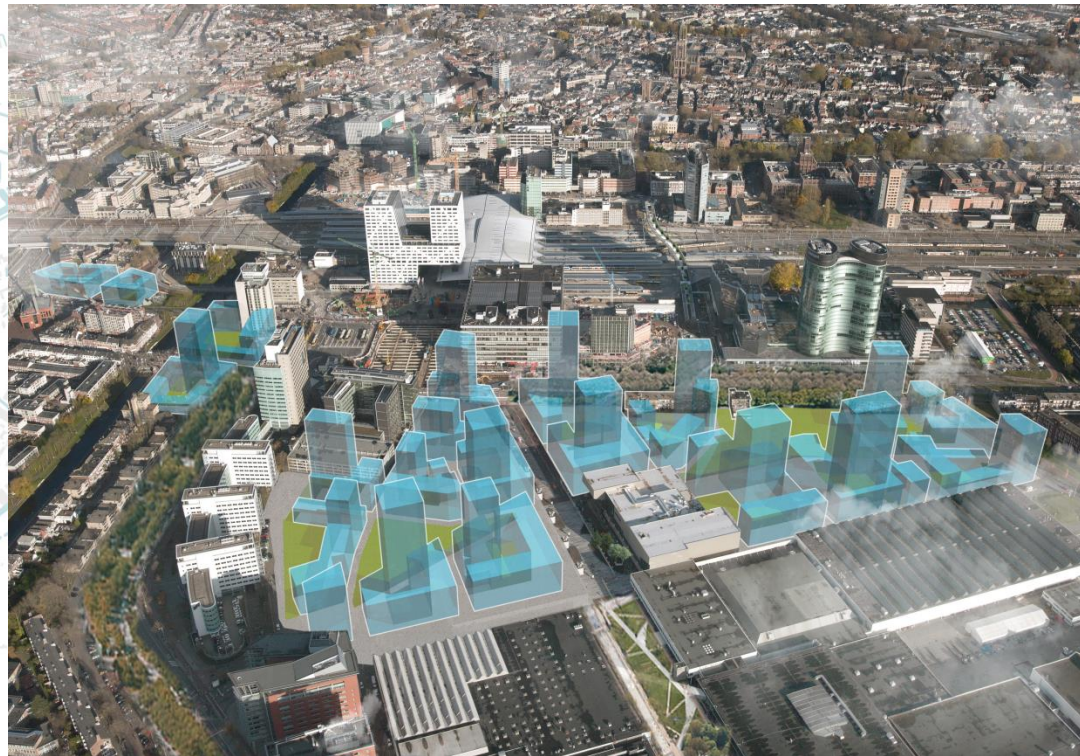
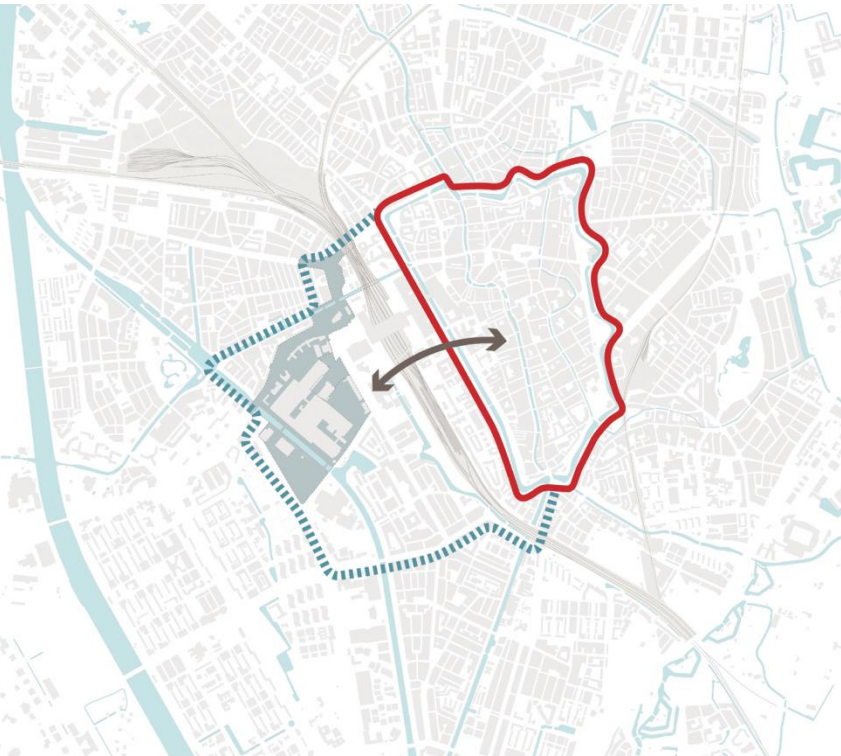


Hart van Zuid
Rotterdam, The Netherlands
Size: 56 hectares

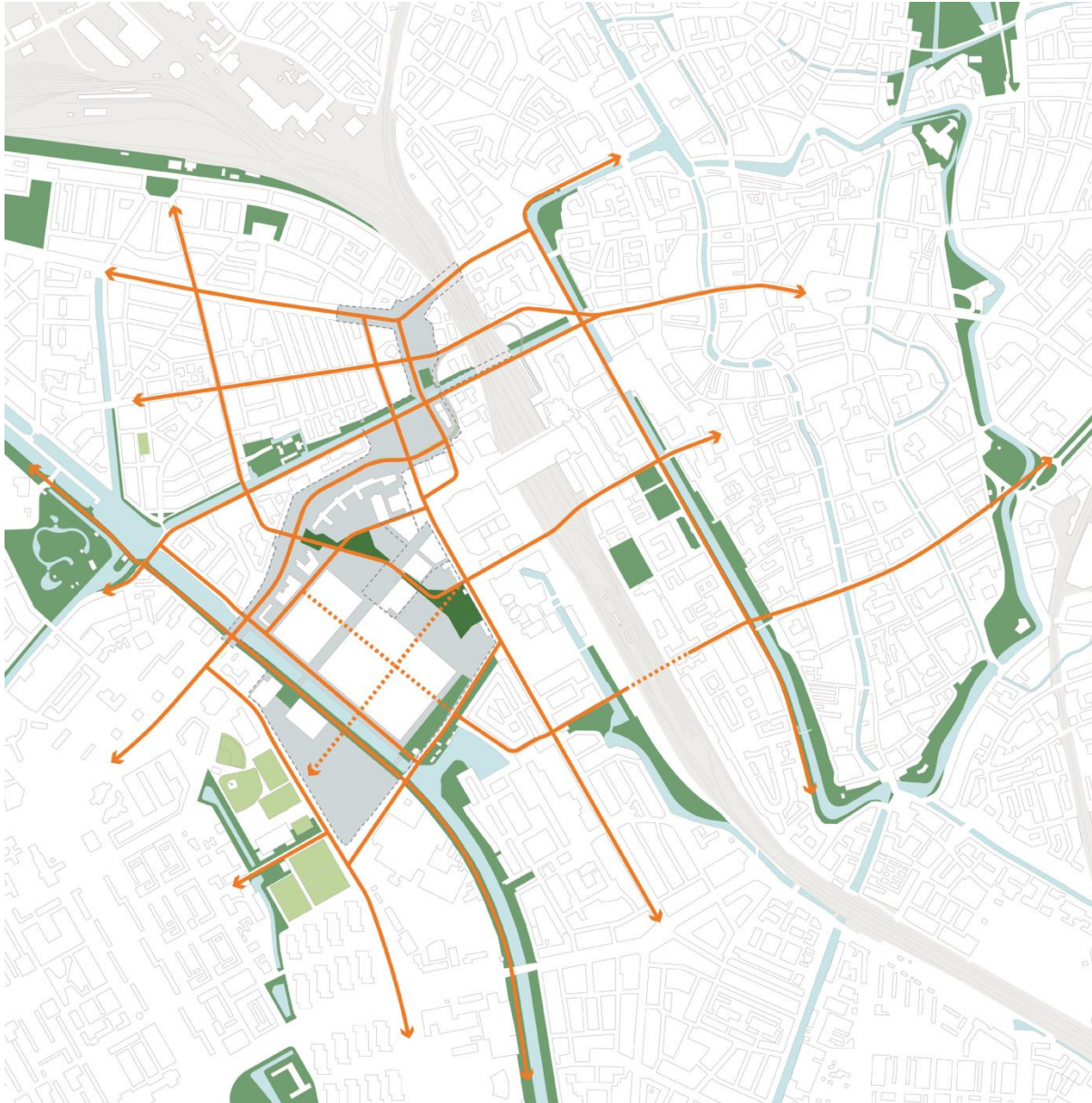
Development of new city centers and of portals to the landscape



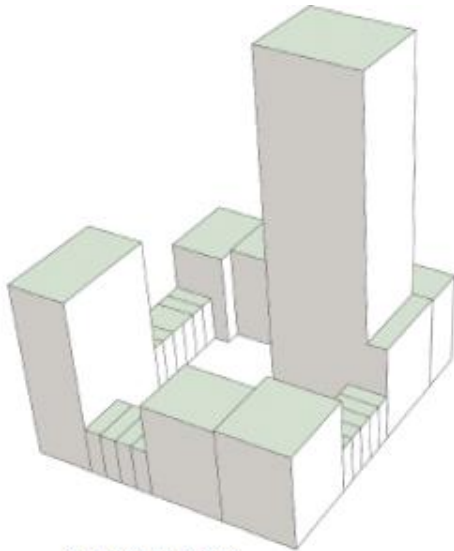
Utrecht Station Area



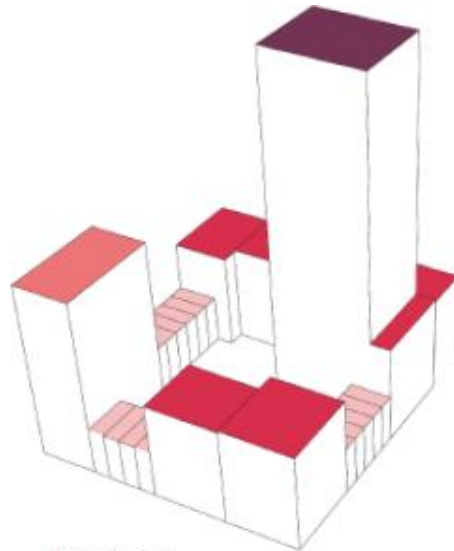
Reconnecting the city



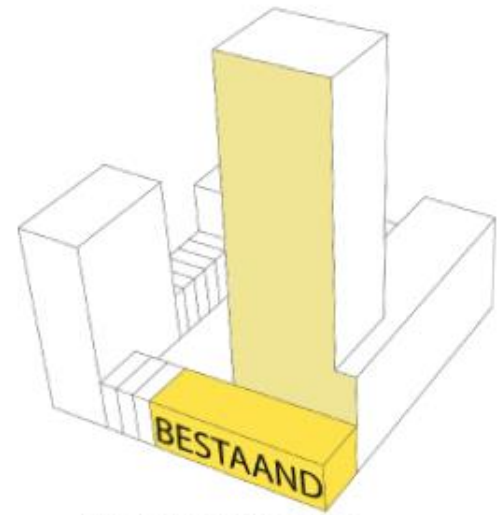
Mixed blocks



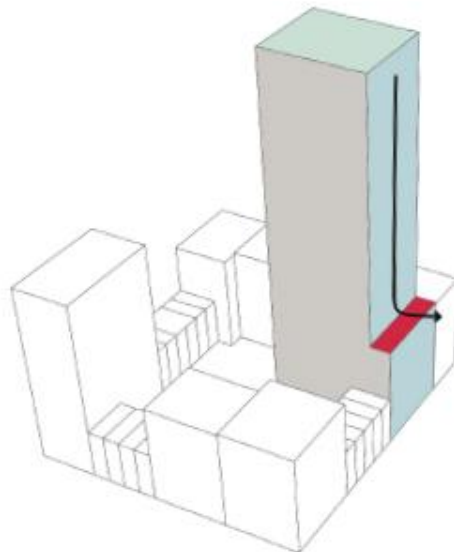
GESLOTEN BOUWBLOK



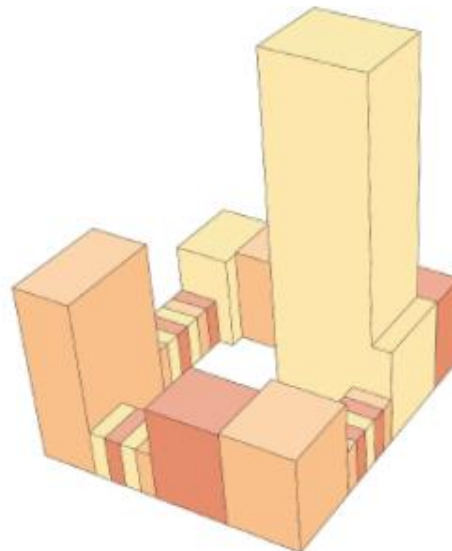
12-25-45-90M



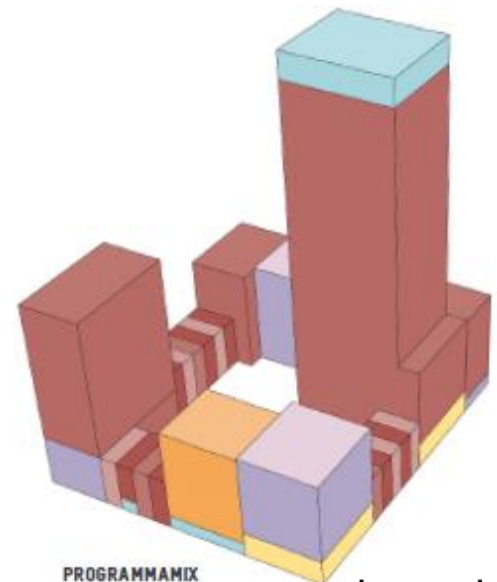
INPASSING BESTAANDE WONINGEN



TERUGLIGGENDE HOOGBOUW

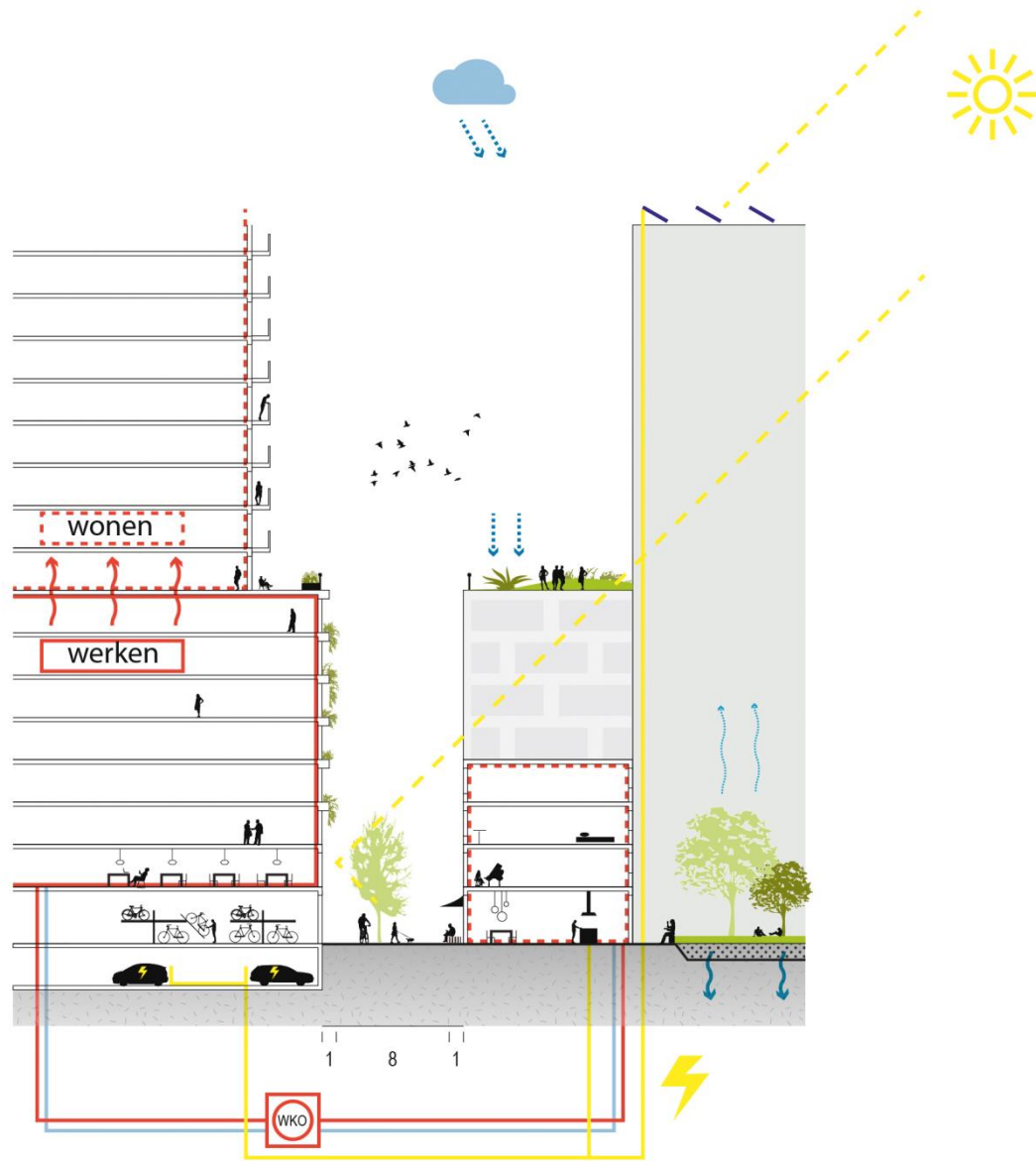


EIGENAARSCHAP



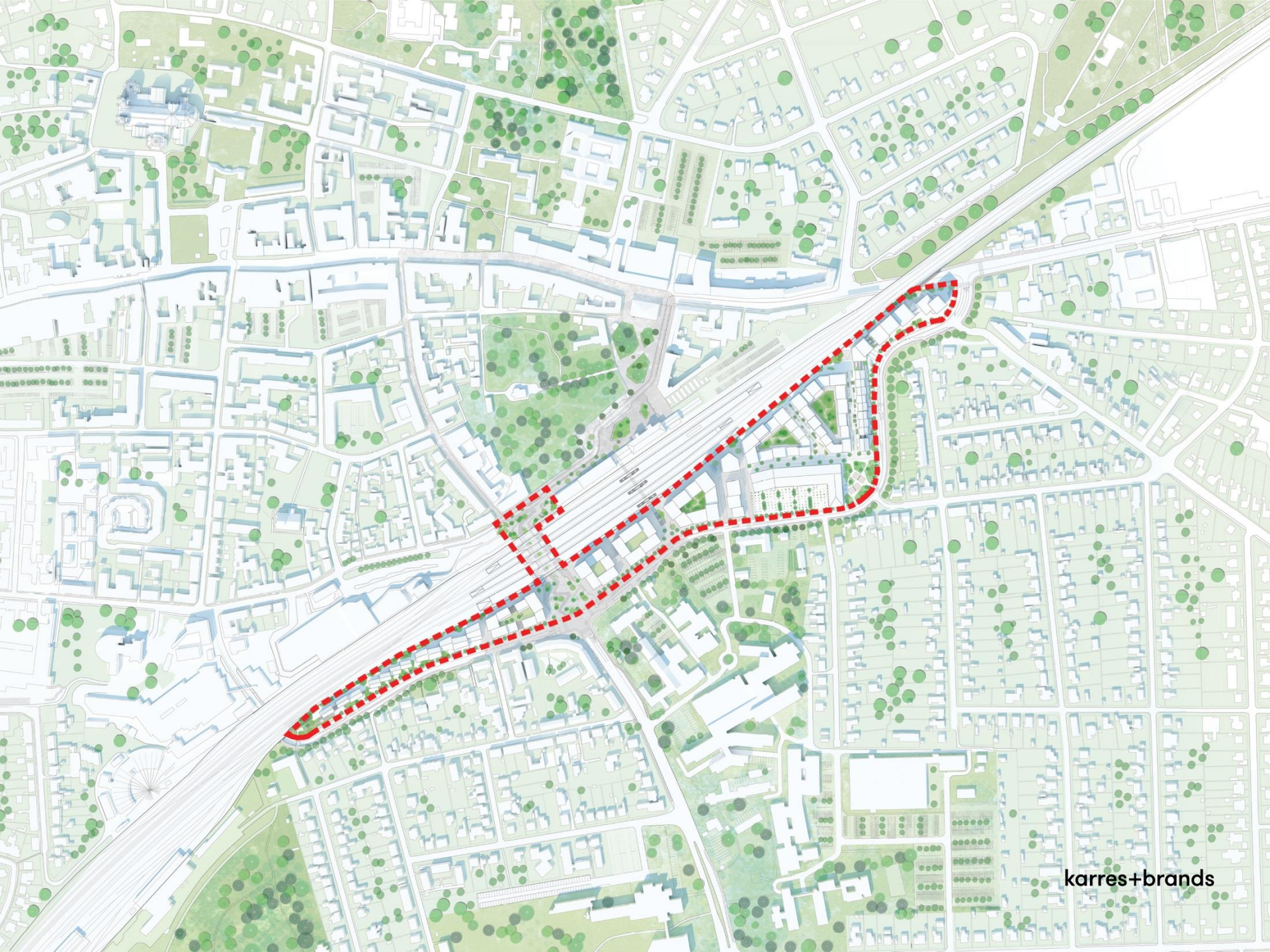
PROGRAMMAMIX

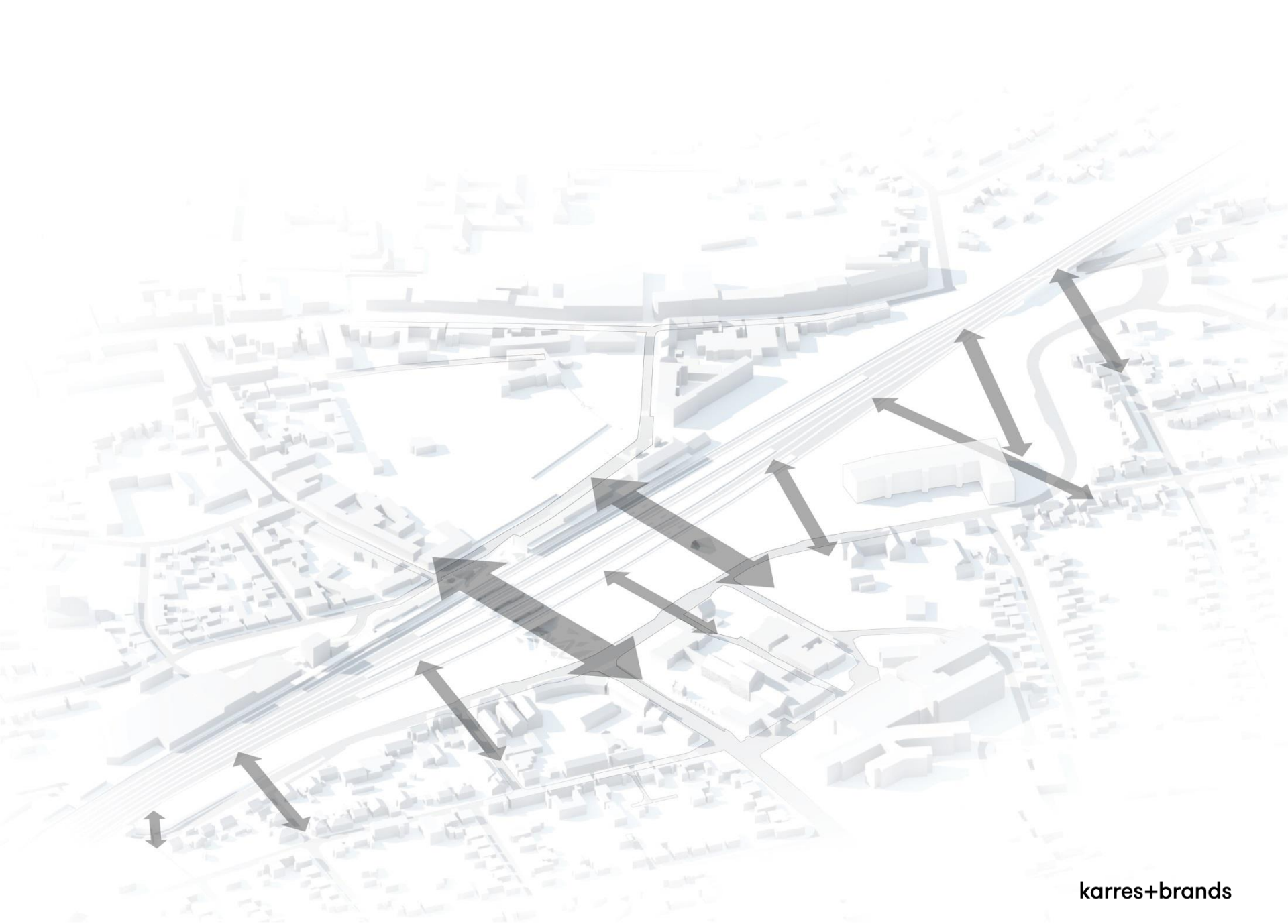
karres+brands

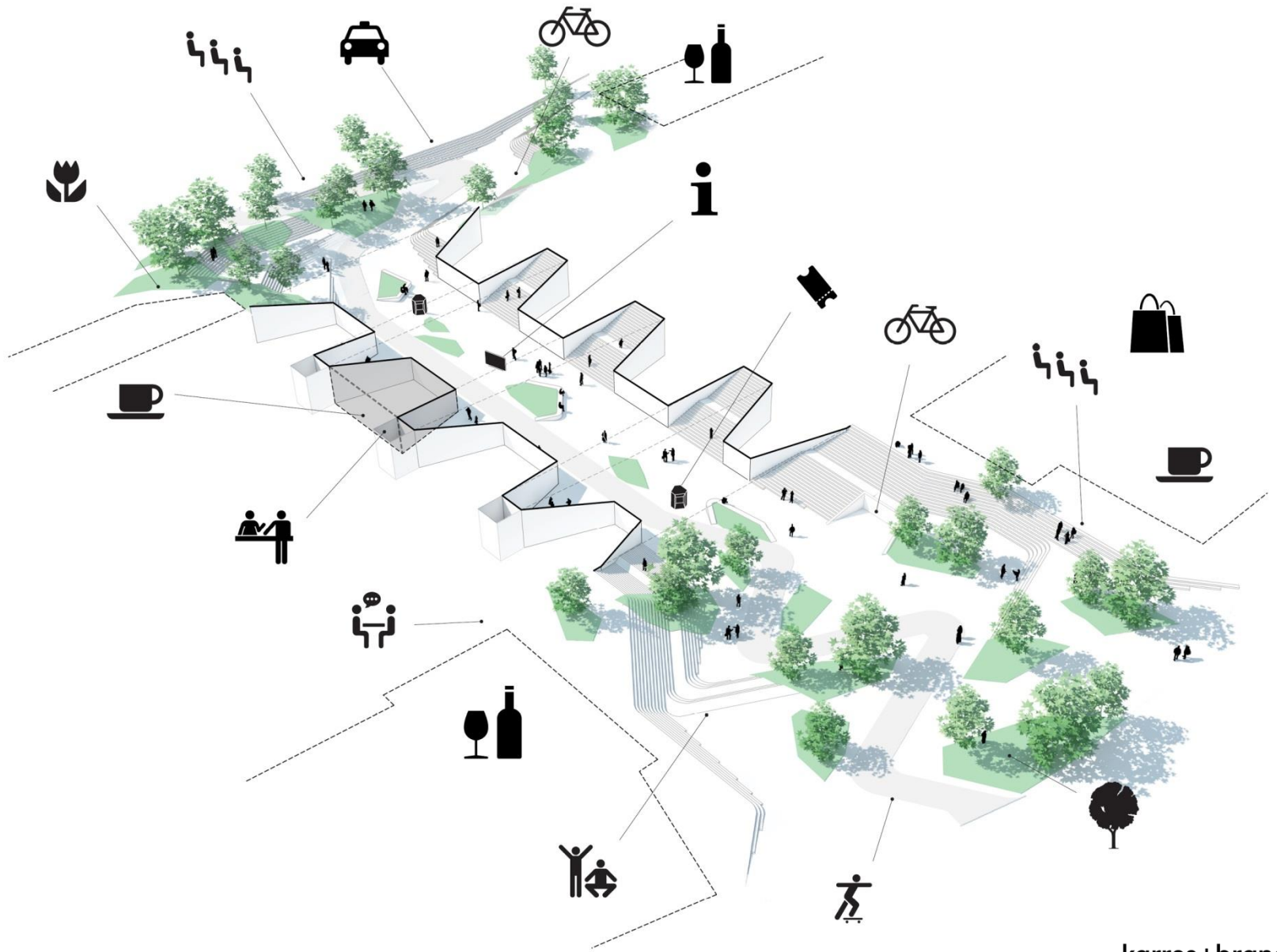


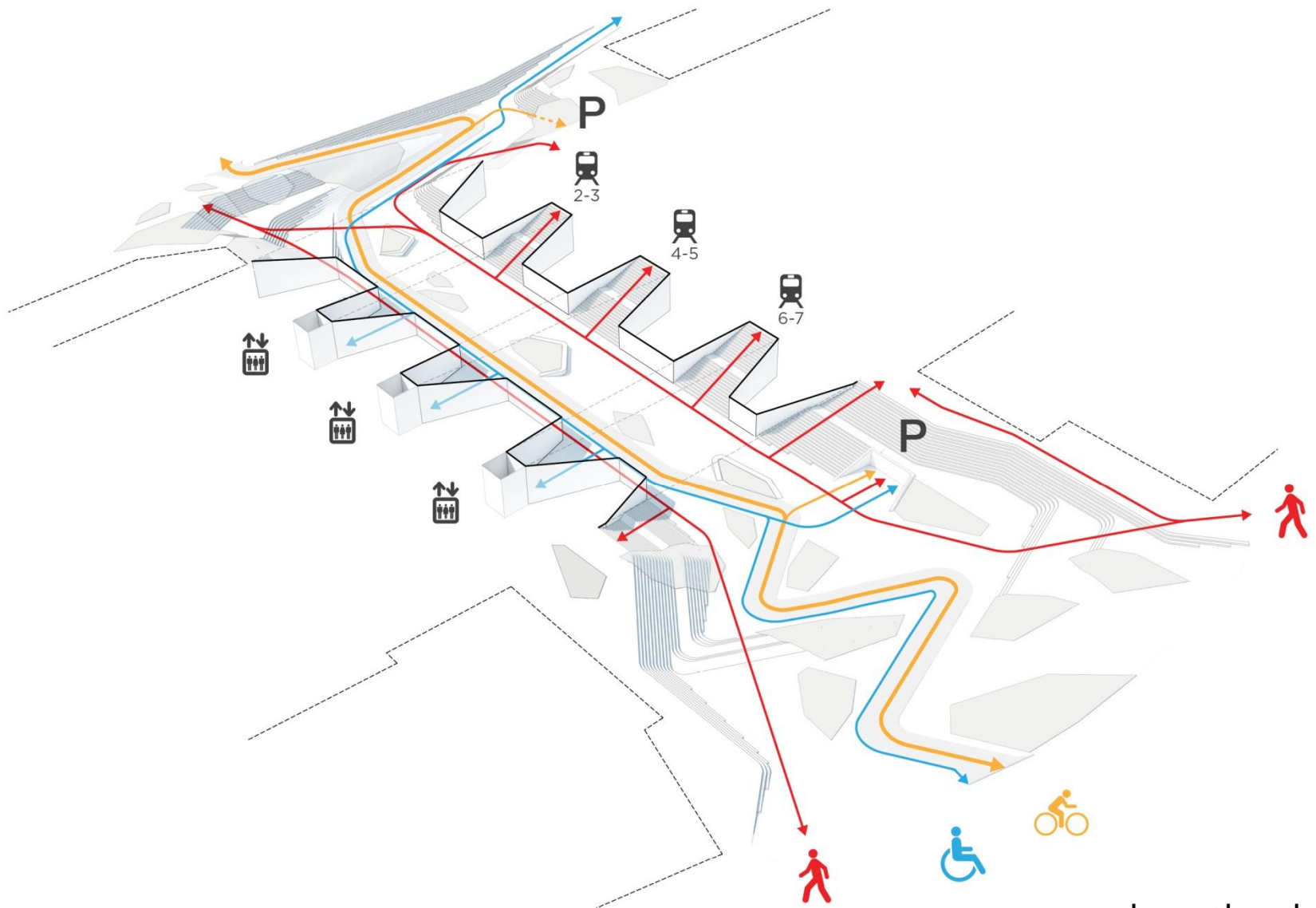
Ny Østergade, Station Area Roskilde (DK)

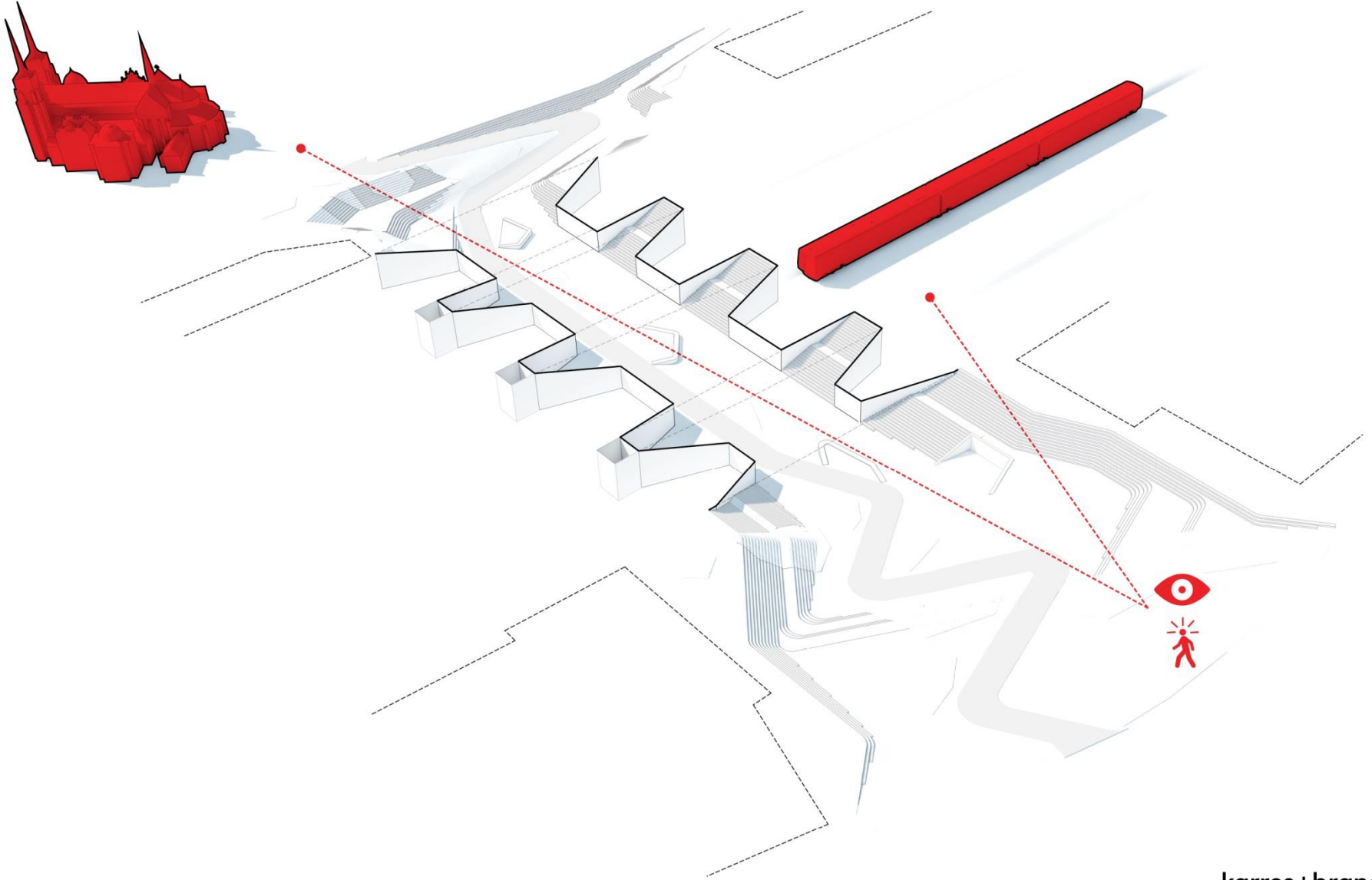












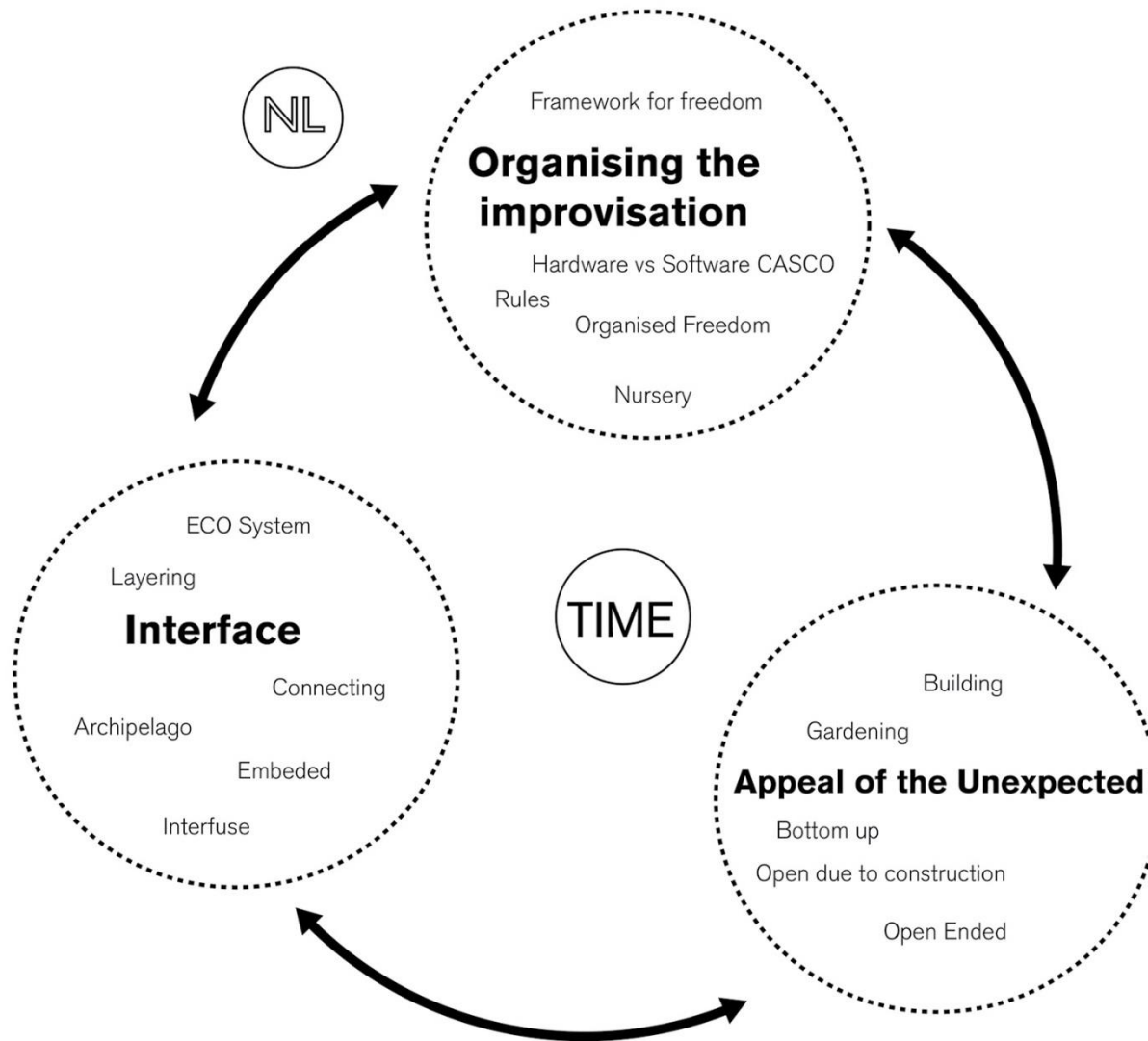






Approach

Cornerstones



Framework for freedom

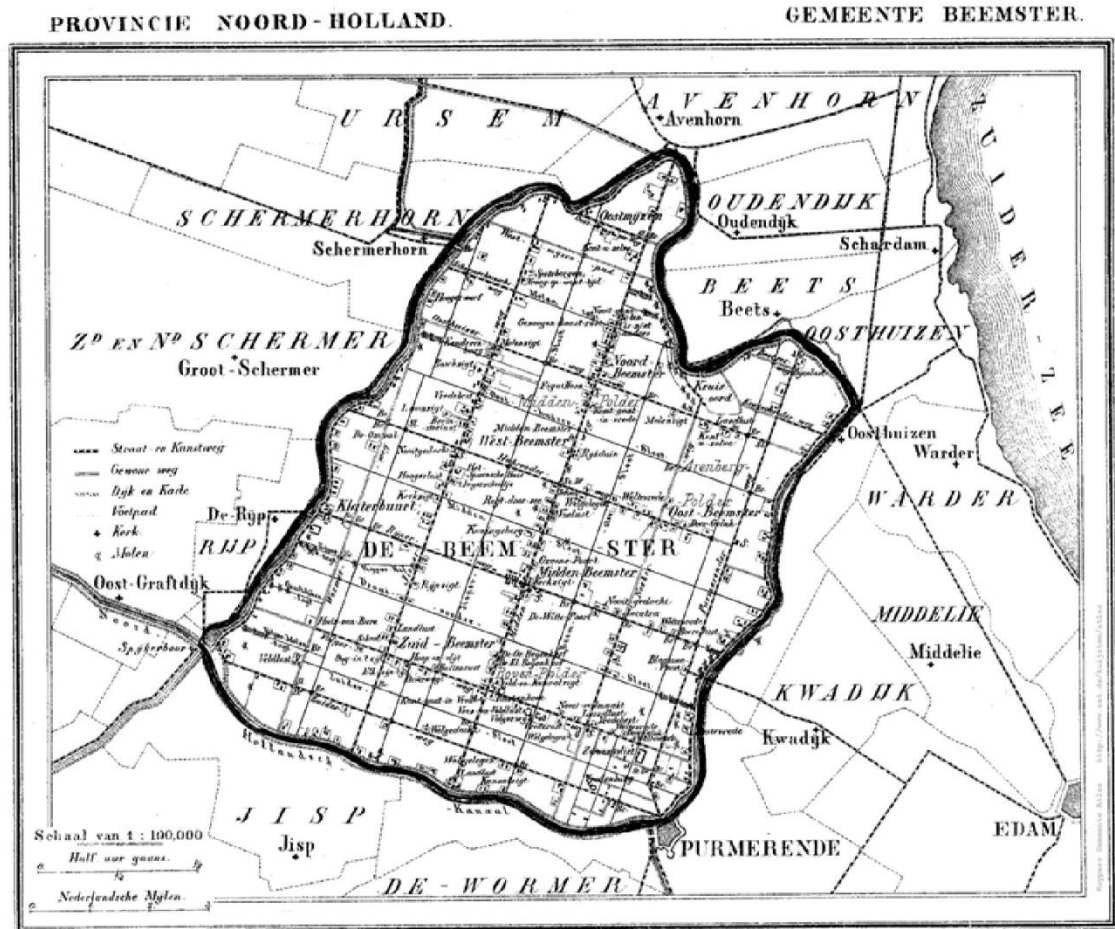
Organising the improvisation

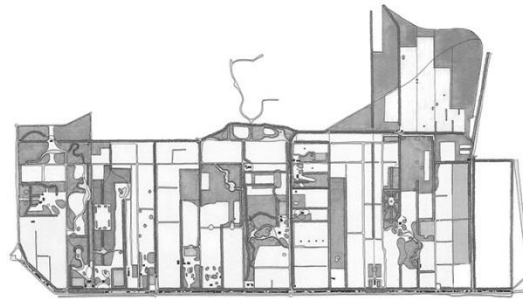
Hardware vs Software CASCO

Rules

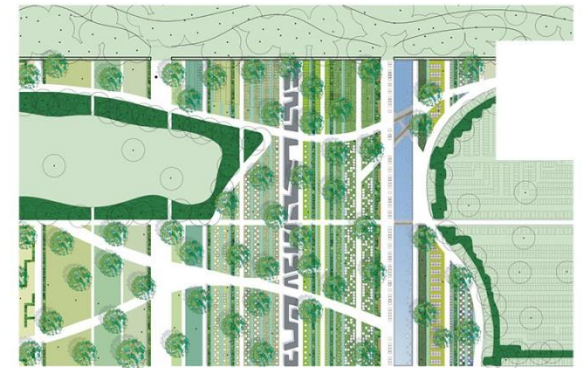
Organised Freedom

Nursery





's Graveland



DNO



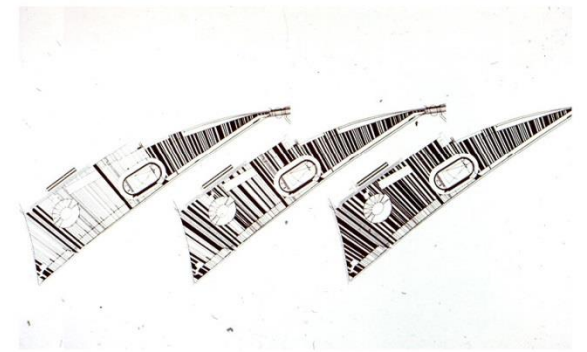
Bijlmerpark



Science Park

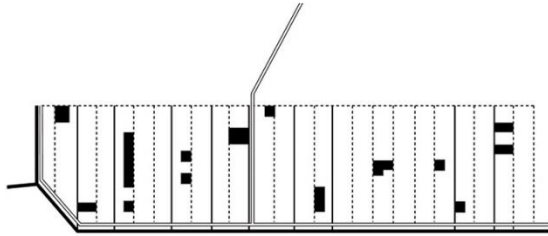


Brabander



Hauptbahnhof

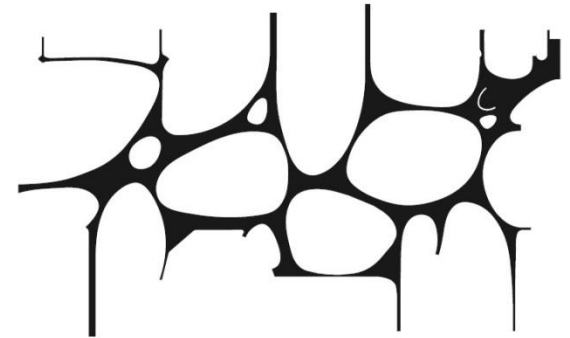
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's Graveland



DNO



Bijlmerpark



Building

Gardening

Appeal of the Unexpected

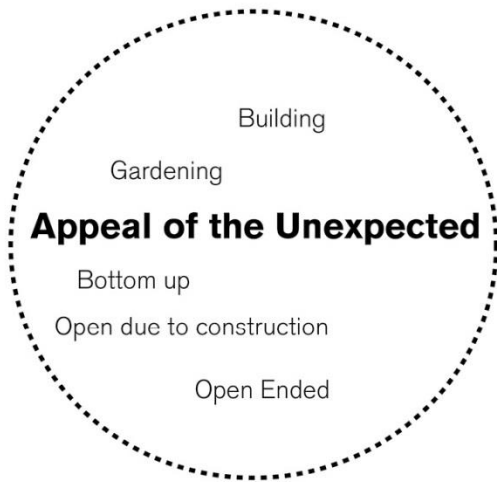
Bottom up

Open due to construction

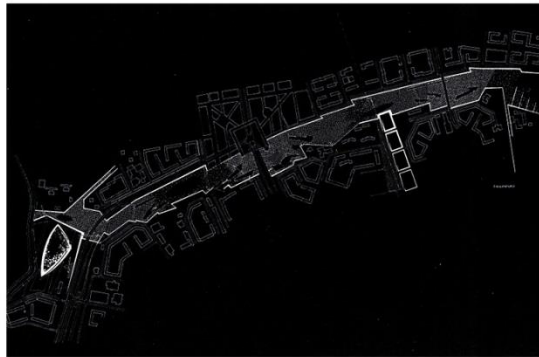
Open Ended



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De Triangel Waddinxveen



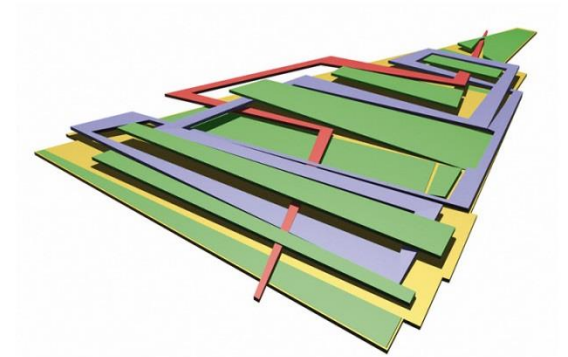
Hellersdorf



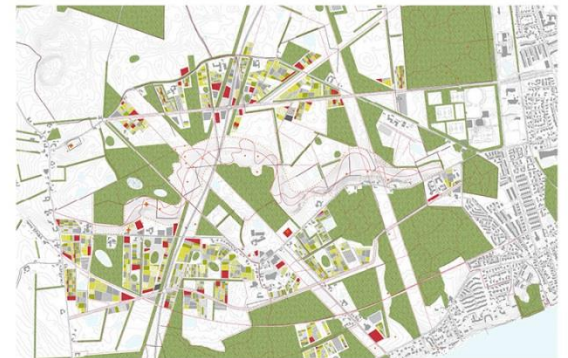
Netwerkstad



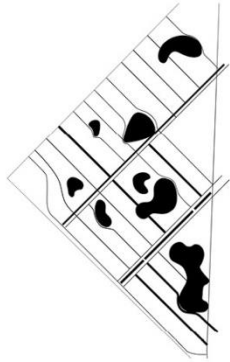
Cross River Park



Hoge Weide



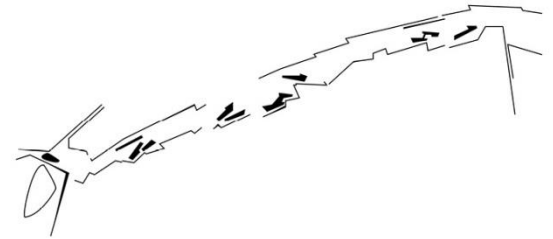
Tankefuld Svendborg



De Triangel Waddinxveen

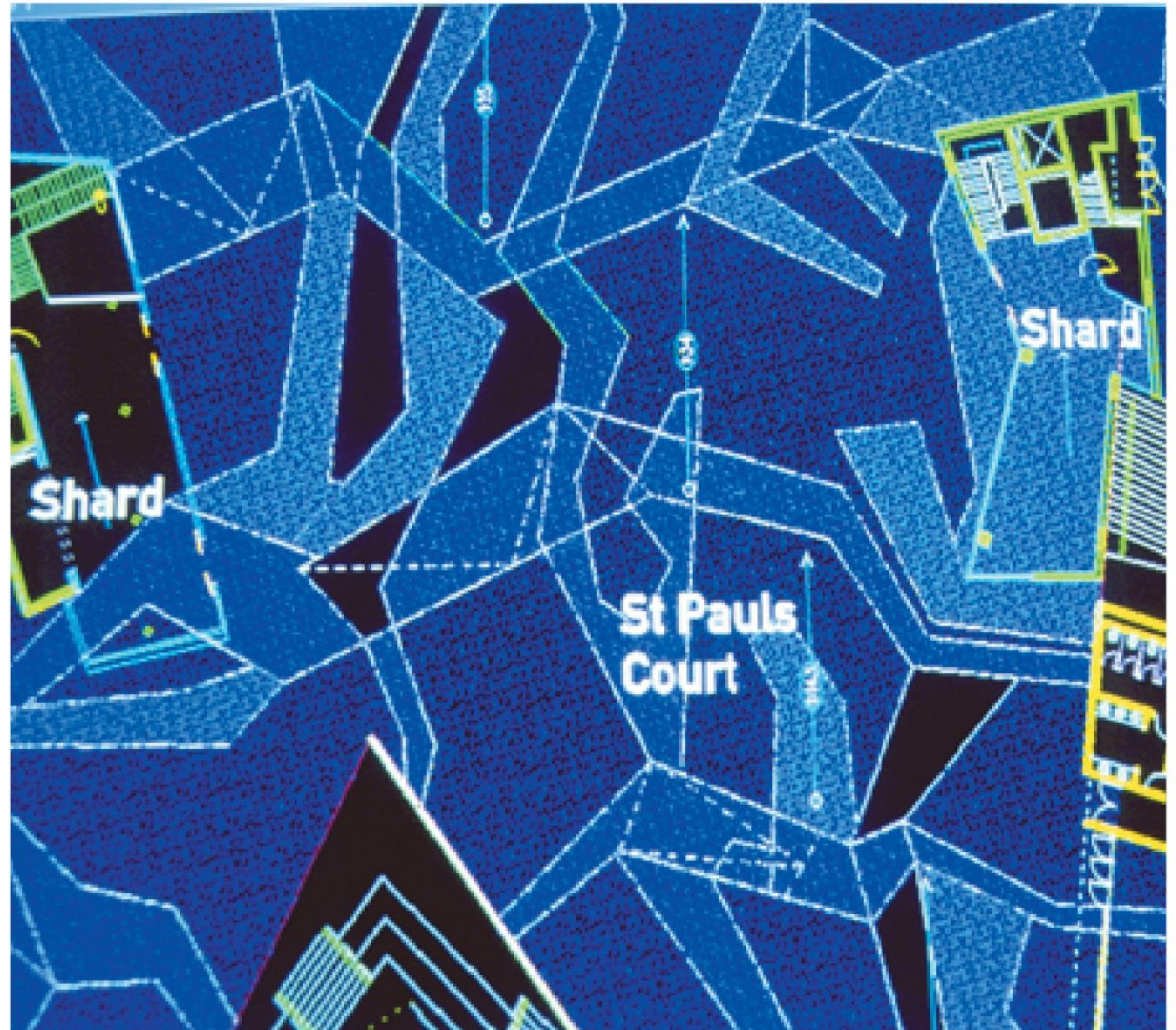
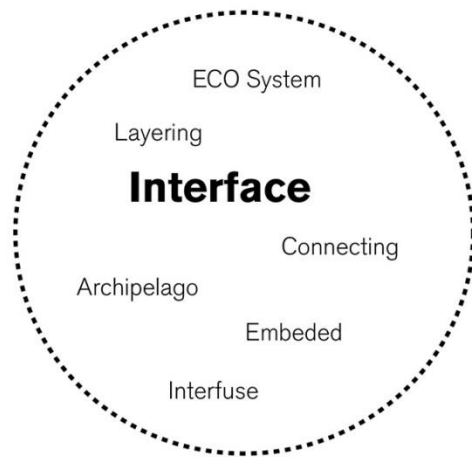


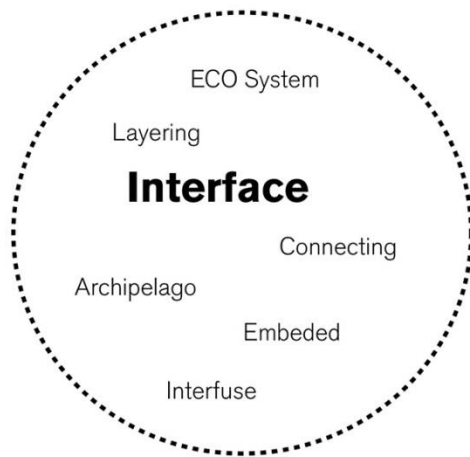
Cross River Park



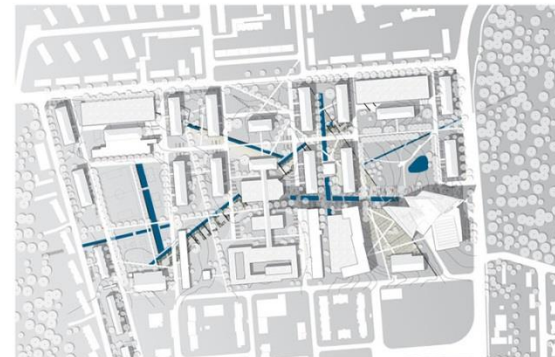
Hellersdorf







Federation Square



Leuphana



Hoge Biezenpark



Goevernementsplein

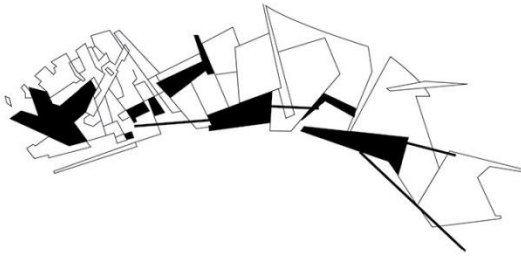
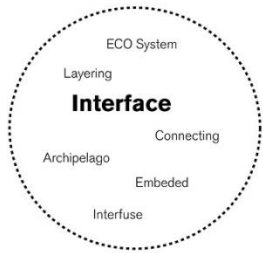


Boseilanden

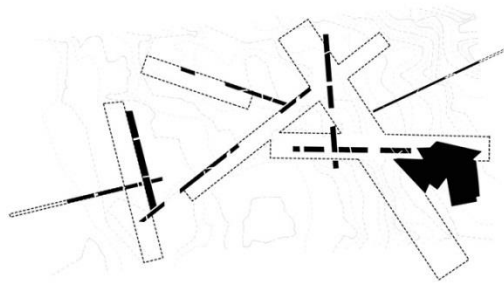


Hauser Plads

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Federation square



Leuphana

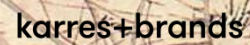


Hoge Biezenpark



Transformation and Identity

How to cherish existing values while developing new identities?





Always teamwork!



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