

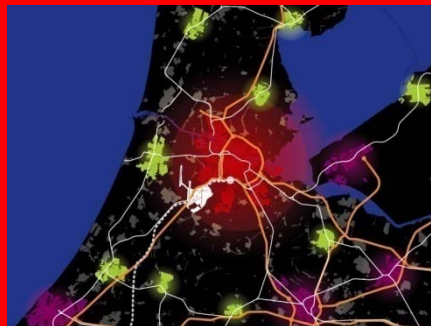


Metropolitan Conference

Warsaw - June 13th 2011



Planning & governance in metropolitan regions



Ir. Eric van der Kooij

Head of the Metropolitan Team

Physical Planning Department - City of Amsterdam

Planning in NL/AMS

Organisation & instruments

AMR

Amsterdam
Metropolitan
Area

Facts &
figures

Future
Challenges

The way we work

Culture of 'polderen'

How to inspire

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780,000 citizens - 390.000 dwellings - 220 km² - 4.500 inh/km²

Land use: 24% water / 22% residential / 12 % parks

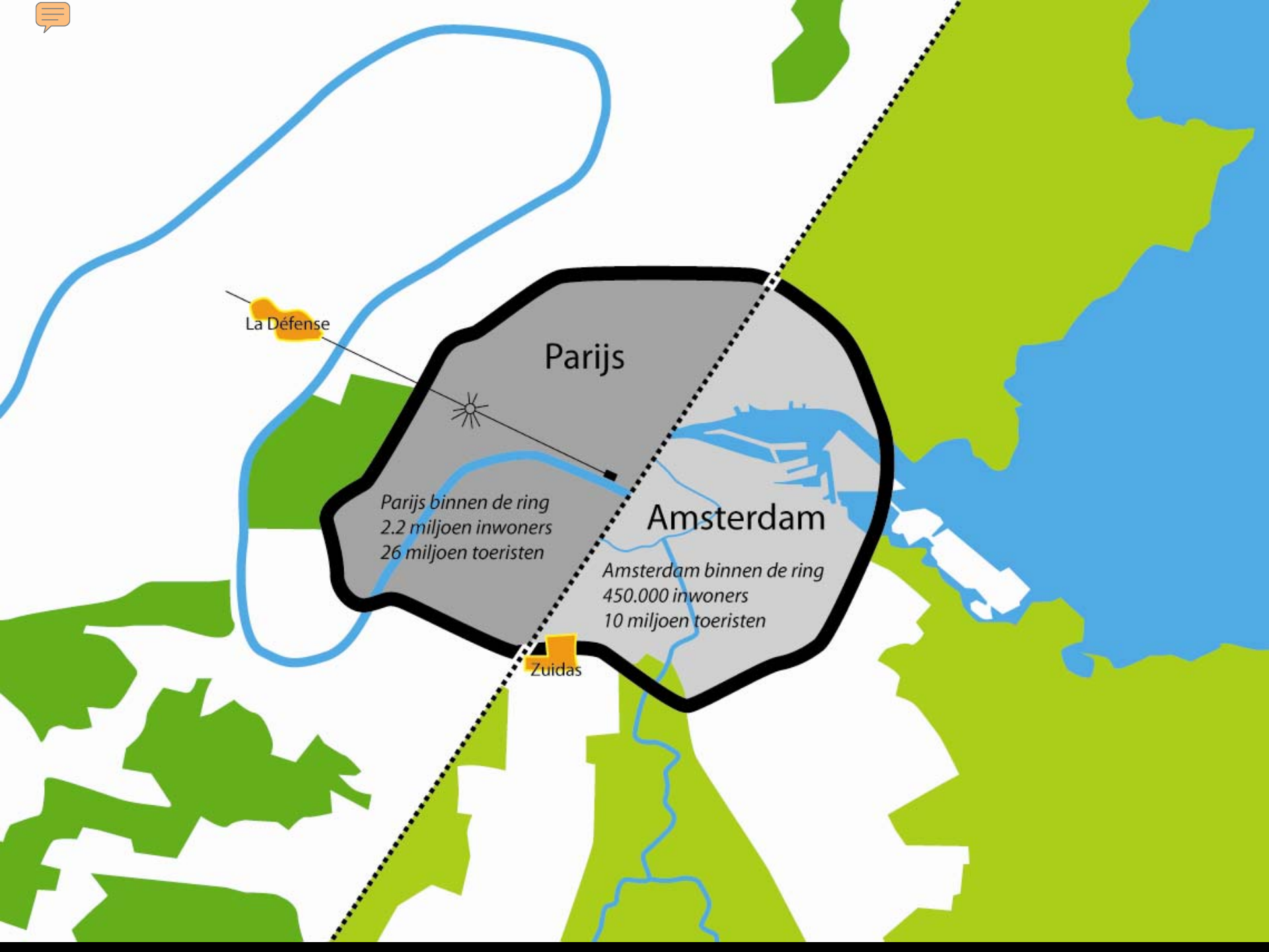
Municipal budget: 22 % physical planning

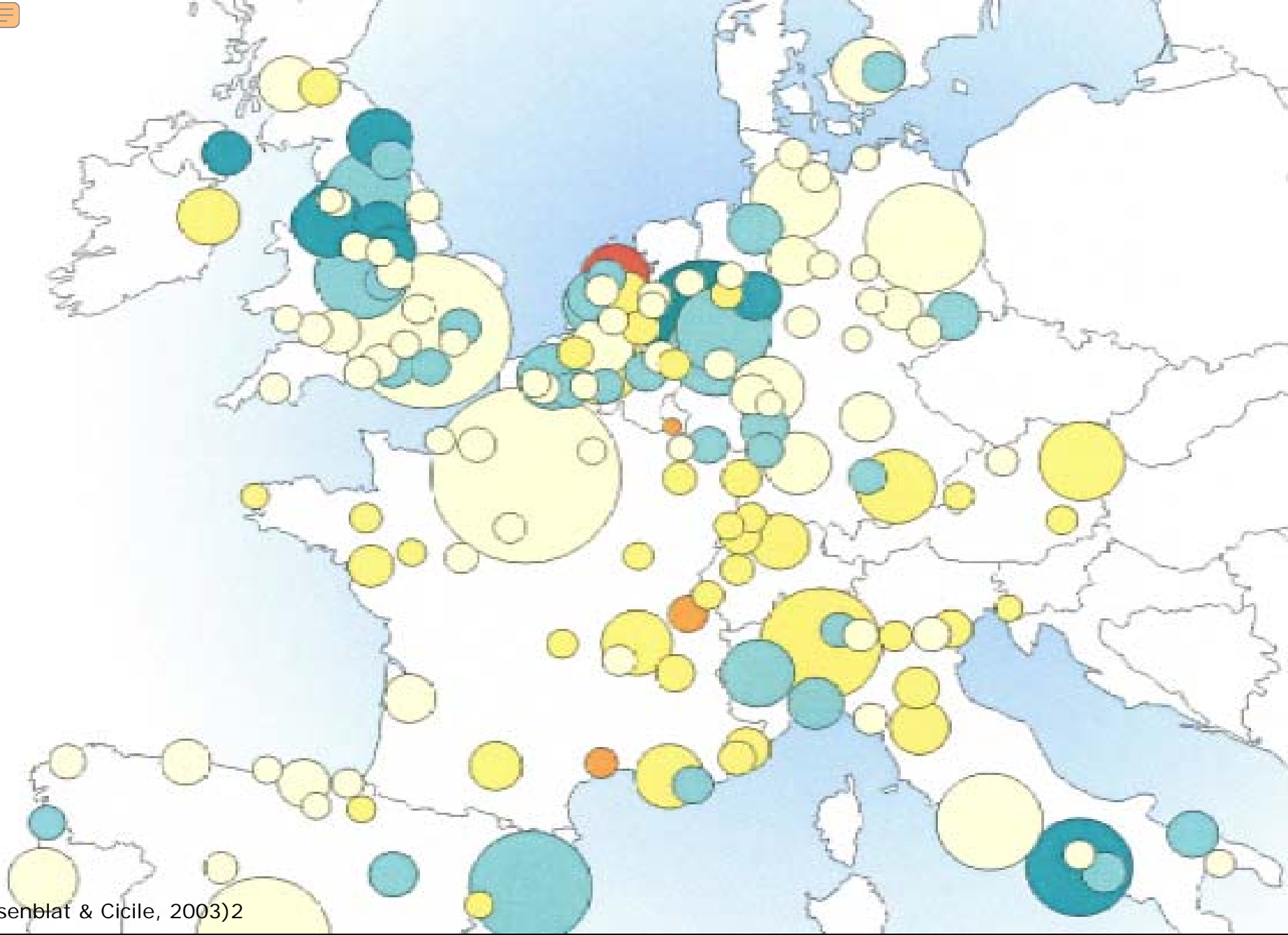


177 nationalities

5% Turkish / 9% Marok / 10% Surinam / 10% Ind. countries / 12% Non-ind.countries / 50% Dutch

Dynamic population / Young population / Increase of newborn and families





(Rosenblat & Cicile, 2003)2

Highest diversity of metropolitan functions per inhabitant



Amsterdam Metropolitan Area

Engine of Dutch Economy

- Creative industry
- ICT, New Media, Tourism
- Agrifood & flowers
- 3rd Harbour of Europe
- Schiphol Airport
 - 284 destinations
 - 50 mio passengers

- Added value of € 88 billion

- 1/6 Dutch Economy
- 1,4 mio jobs
- 2,3 mio inhabitants
- 2.6 mio dwellings
- 1500 inh/km²
- 1400 km²

2000 - 2010

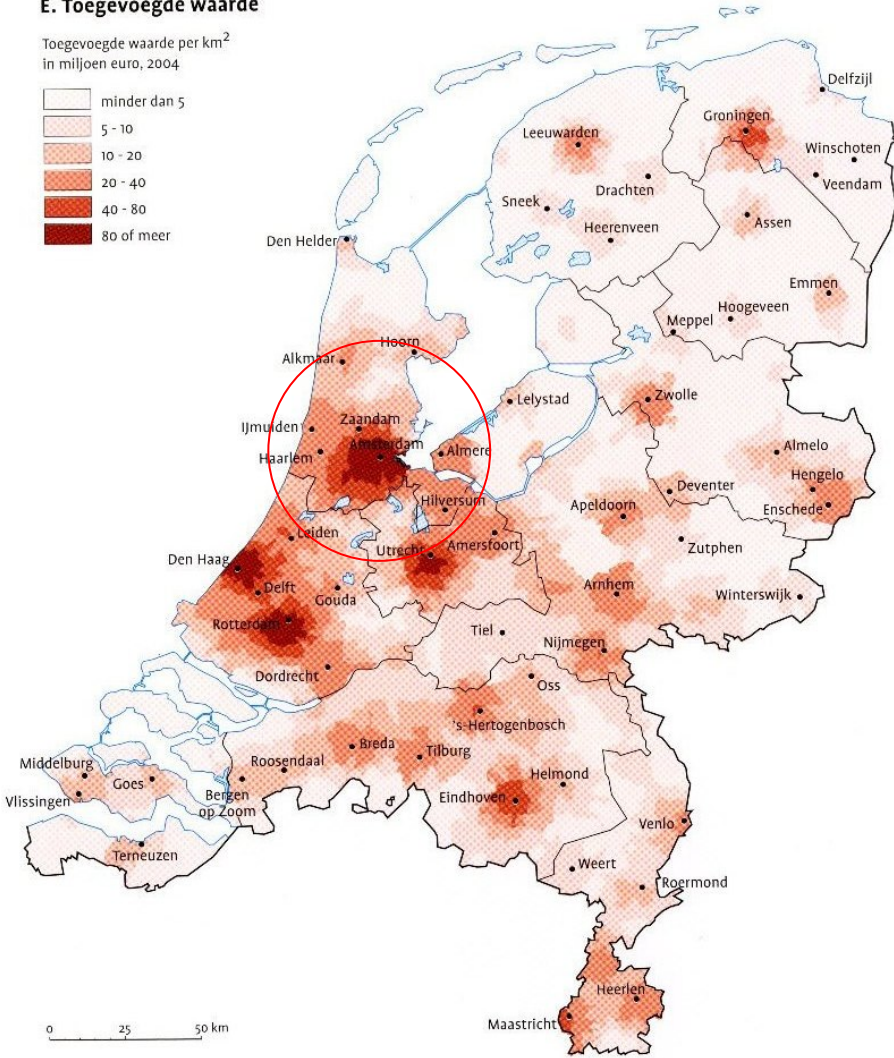
- + 100.000 dwellings in AMA
- + 35.000 dwellings in AMS
- + 180.000 inhabitants

Focus on

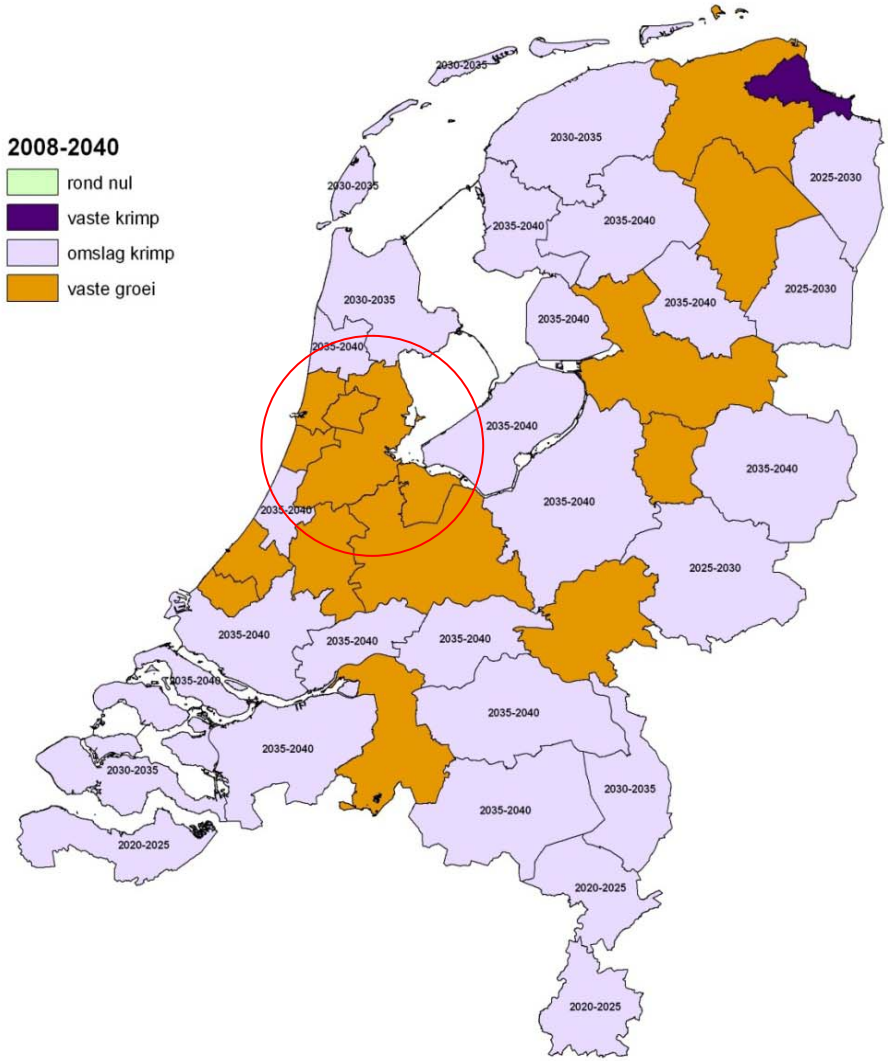
- Knowledge based economy
- Highly educated
- Youngsters and families

E. Toegevoegde waarde

Toegevoegde waarde per km²
in miljoen euro, 2004

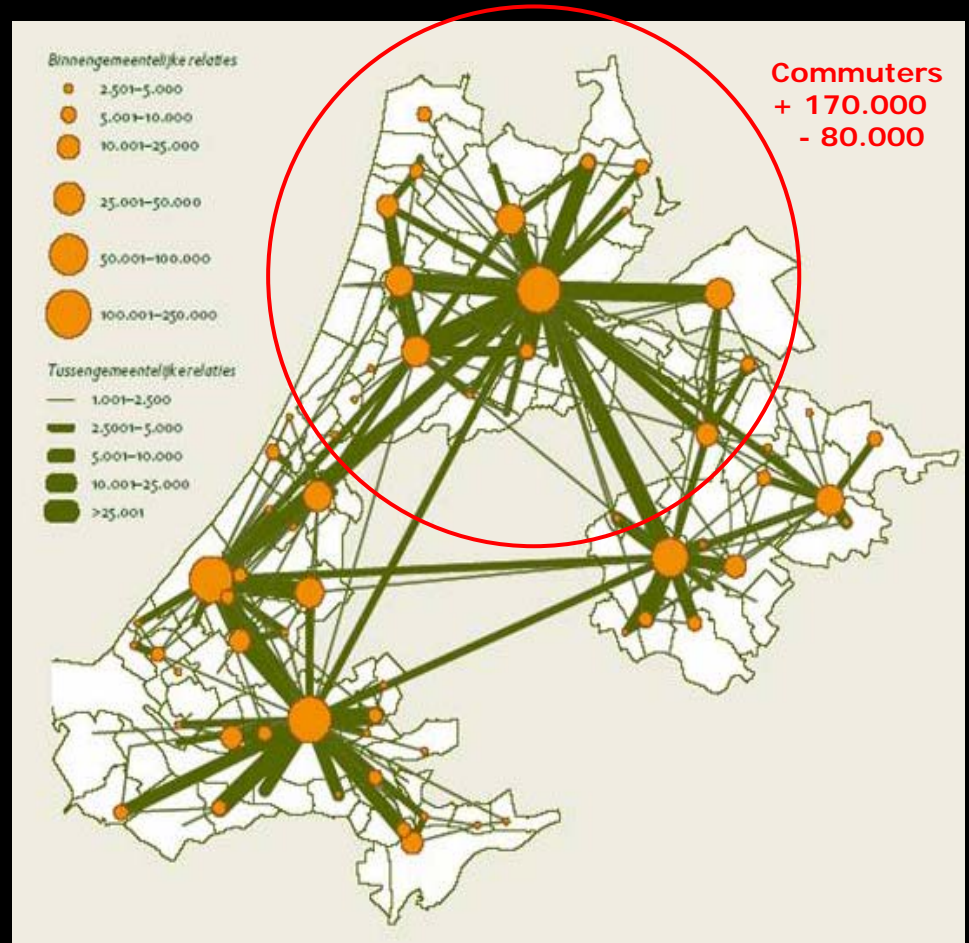
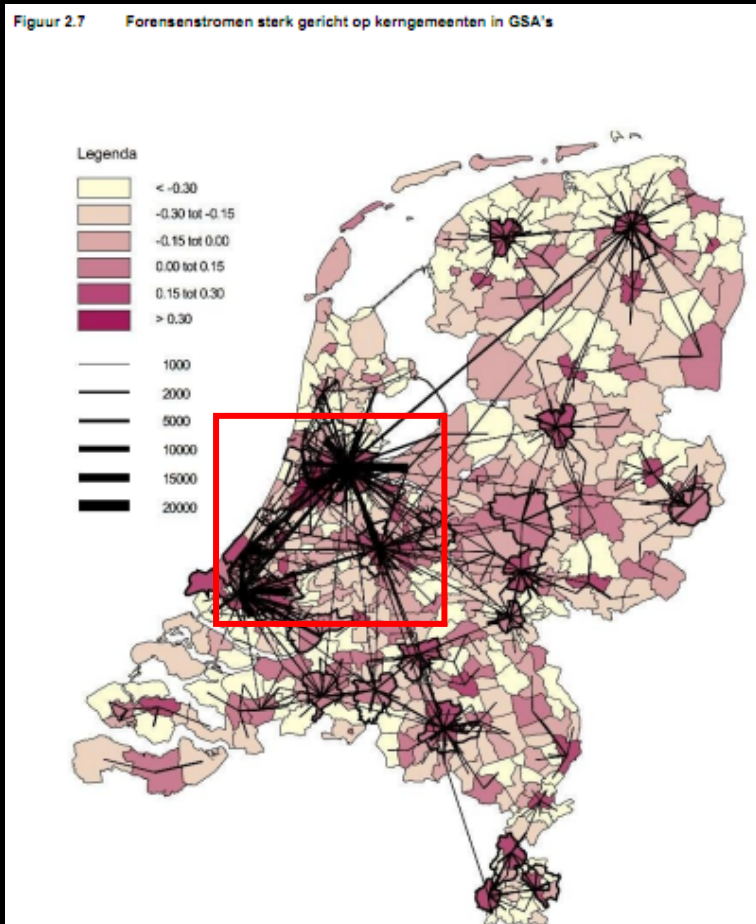


2008-2040



Economically added value vs shrinking and growing populations

The Randstad does not exist !



North & Southwing form 2 separate spatial systems based on commuting distances of ca. 30 km

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Can we become a GOOD metropolis?!





Quality of life





The use of space has increased dramatically

Between 1900 en 2000...

... the number of inhabitants tripled

... the average occupancy is halve

... the average size of a dwelling has doubled

... the space around each dwelling has doubled

Meaning that:

Three times as many Dutch people live with half the number of people per dwelling in houses which are double the size on a plot that has doubled in size

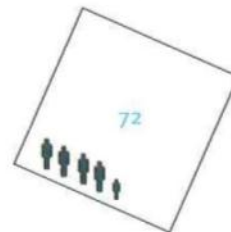
$$3 \times 2 \times 2 \times 2 = 24$$

A rise in the use of space with a factor 24!

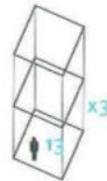
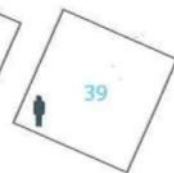
1900



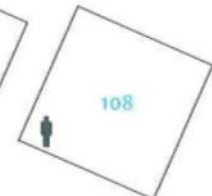
1950



1990



2050



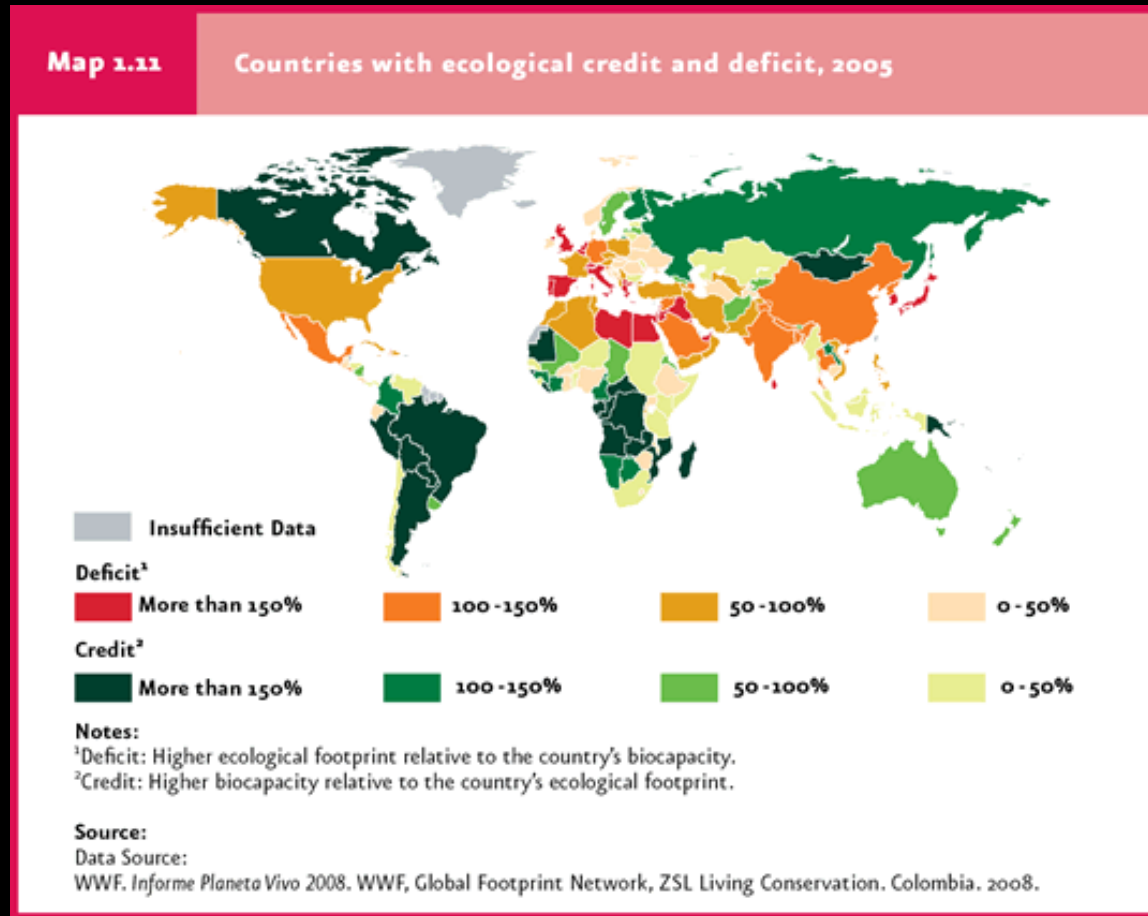
personen per woning (m²)

aantal m² woning per persoon

footprint stapeling p

toename ruimtegebruik per persoon in nederland

The global effort for sustainability will be won, or lost, in the world's cities, where urban design may influence over 70 percent of people's Ecological Footprint.



High-Footprint cities can reduce this demand on nature greatly with existing technology.
Many of these savings also cut costs and make cities more livable.



The size of Amsterdam is too small



2010



2040

+ 200.000 jobs

+ 280.000 dwellings

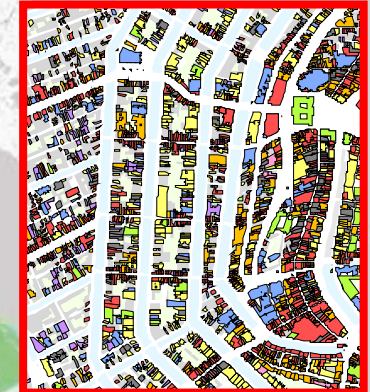
+ 400.000



Limited options (environmental zones & cultural landscapes)

but a wide range of living environments

Urban Agenda



Heatmap of apartments prices (source DRO)



Urban densities on a human scale & mix of functions



Waterfront development

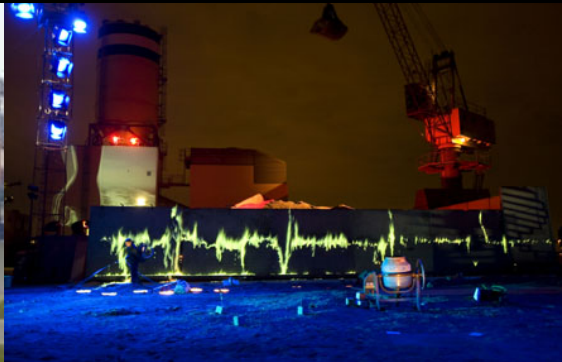


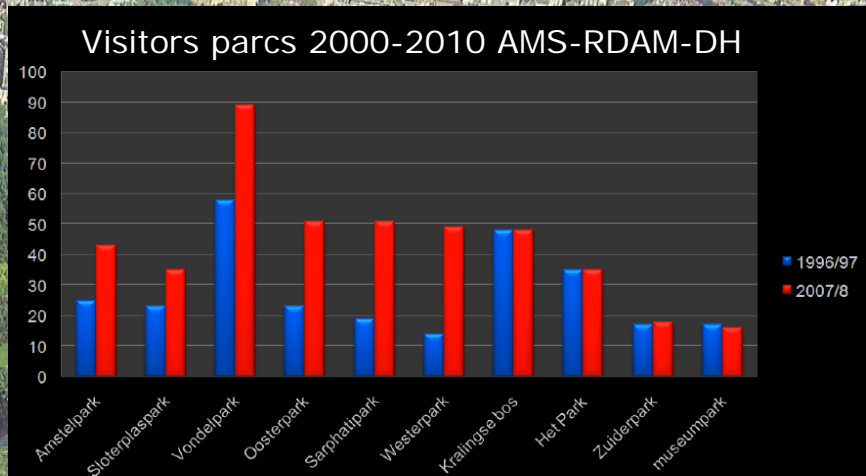


Transforming brownfields



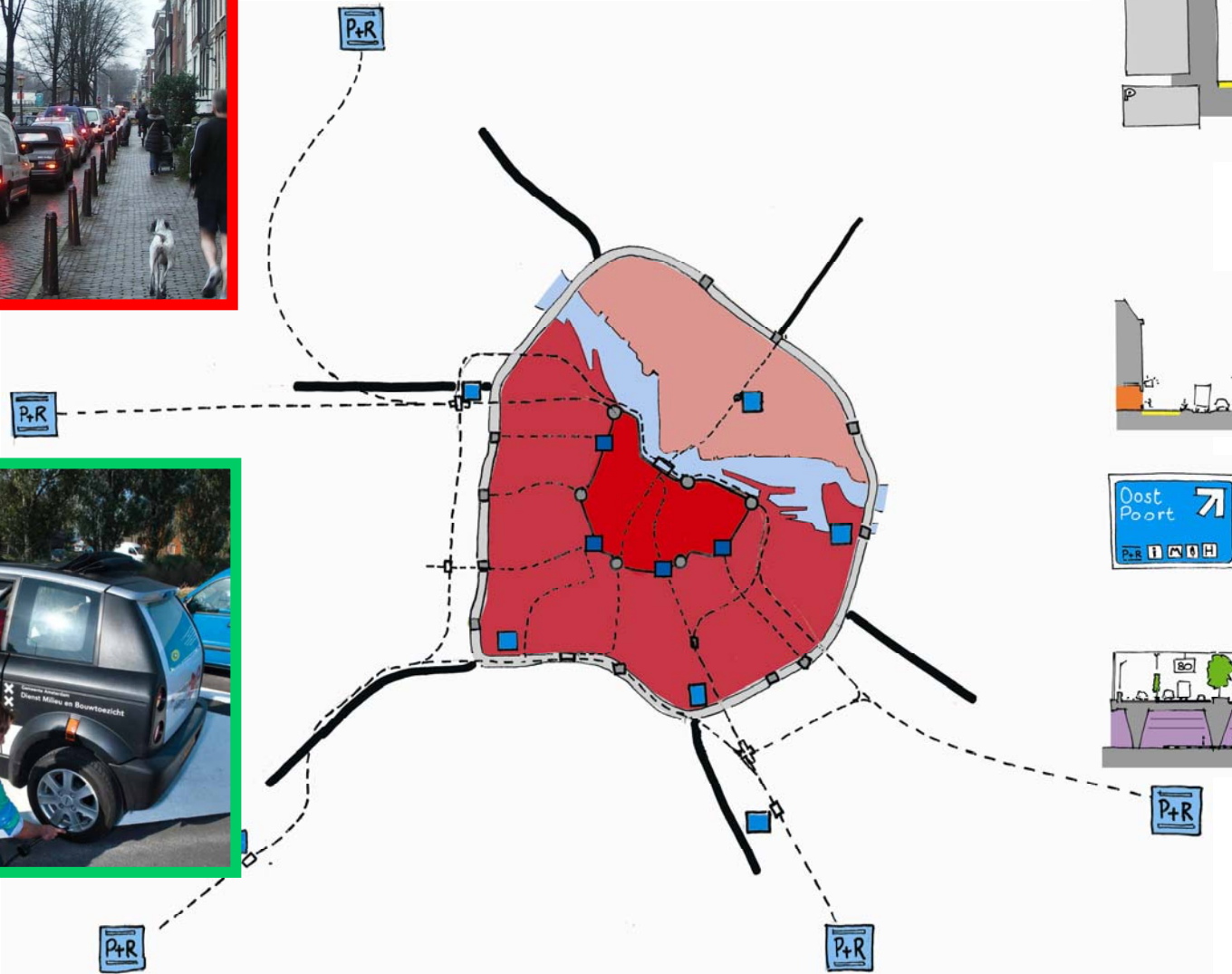
by temporary functions





Importance of parcs and blue spaces for the economy

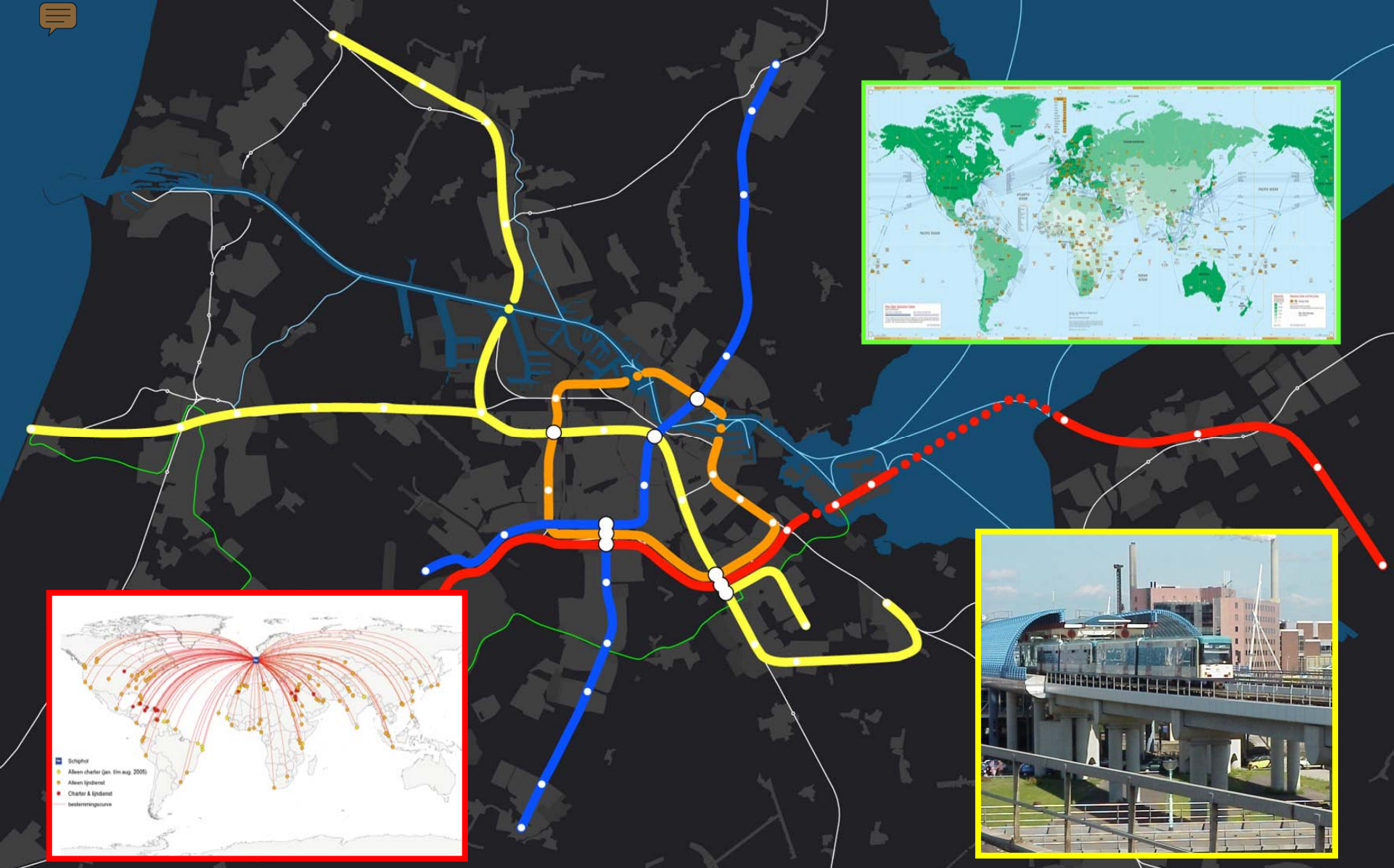
1. Quality is more important than quantity; diversity increases attractiveness
2. Parcs as places for social interaction
3. Economic value +3%



Car regulation
Congestion charge – parking regulation of space & pollution



Improving biking

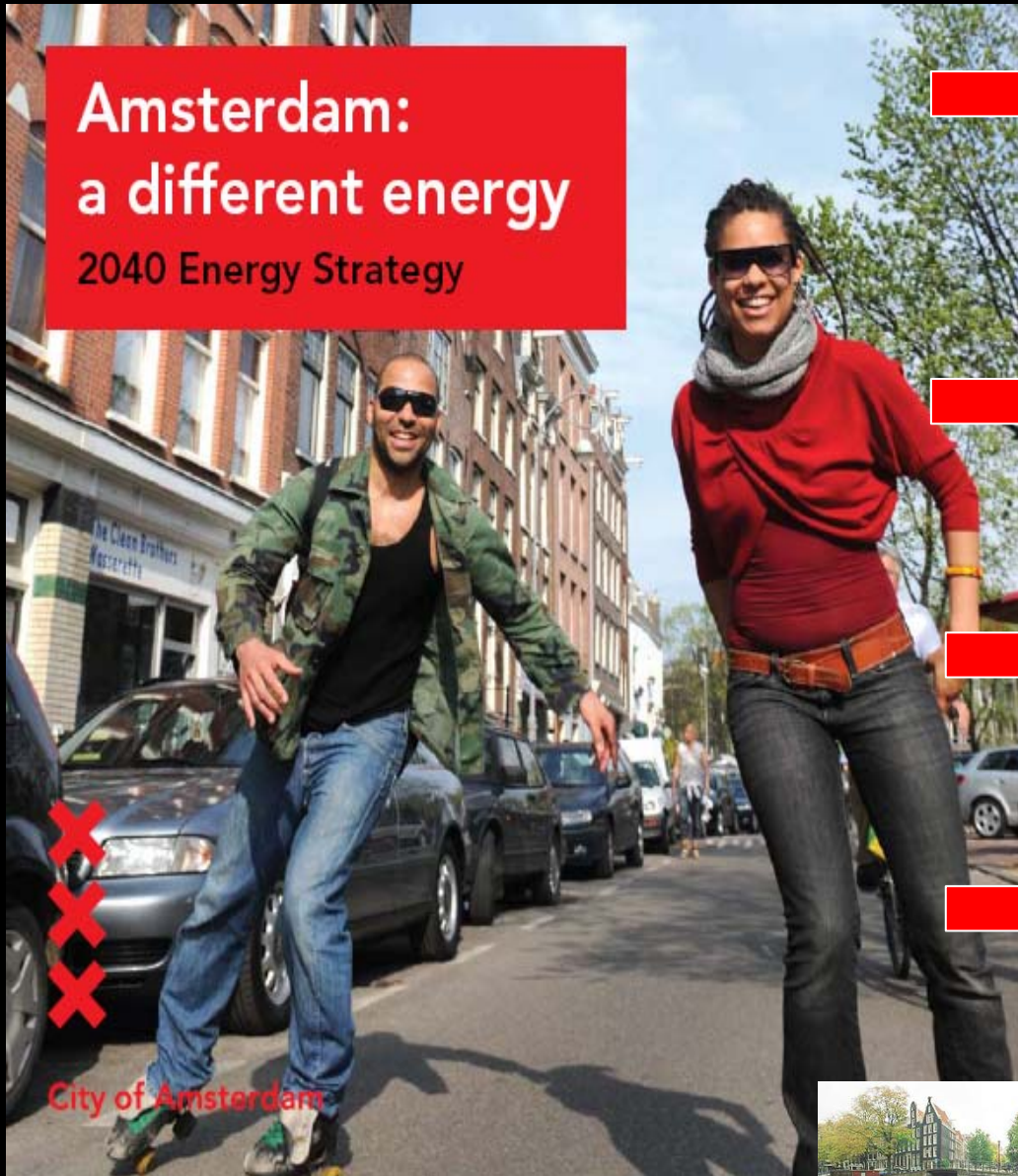


Accessible city

Metropolitan transport system – Fiber glass – Destination AMS

Amsterdam: a different energy

2040 Energy Strategy



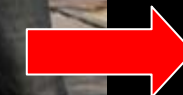
40% reduction of CO₂ emissions in 2025, compared to 1990



A climate-neutral municipal organization in 2015



New buildings climate neutral in 2015



30% sustainable energy from local production in 2025



City of Amsterdam



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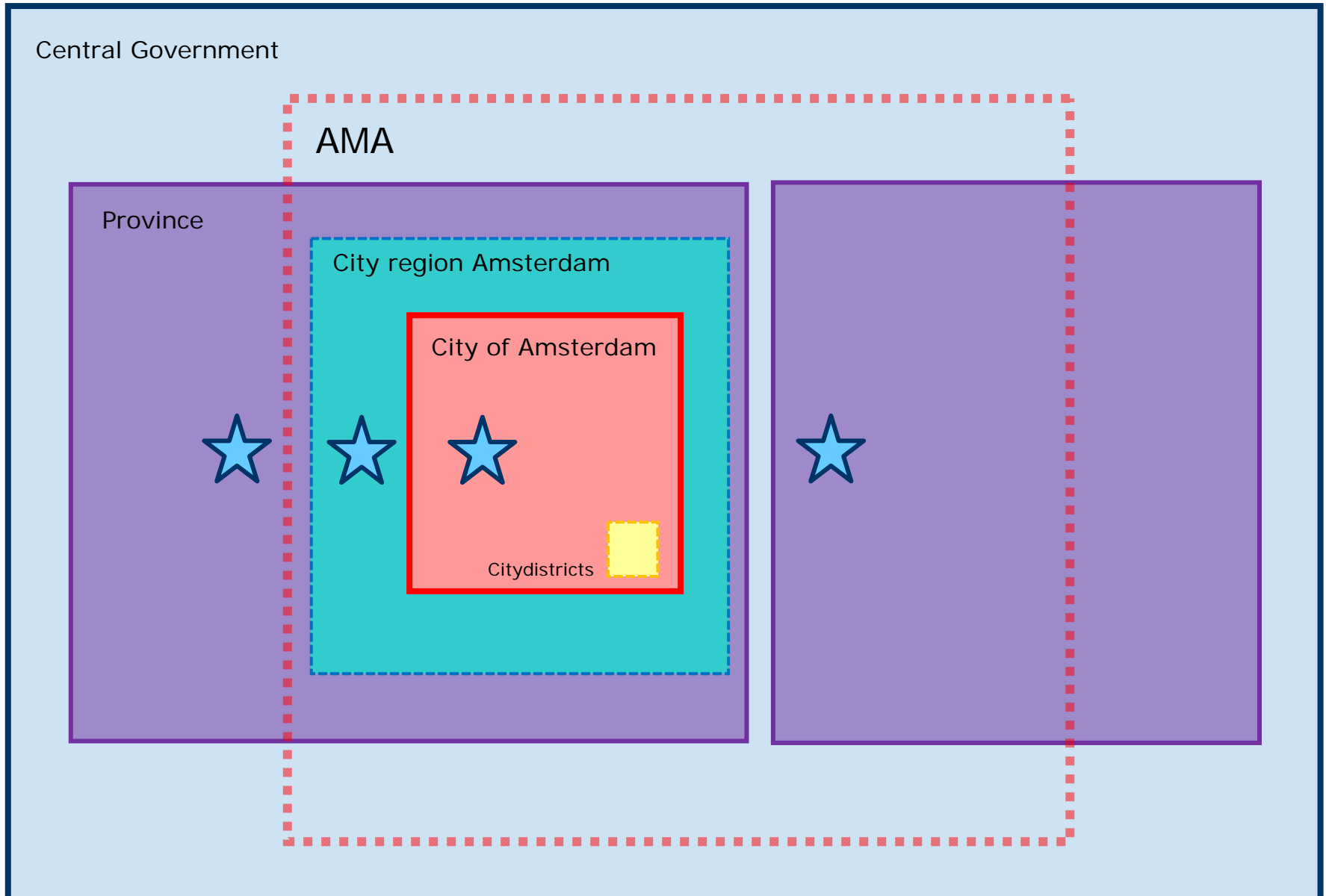
Planning system in the Netherlands

Governmental bodies	Responsibility	Instruments
Central Government* 12 Ministeries	Infrastr & Environment Internal affairs & Housing	Plan Vision 2040 Sectoral plans: Brainport, Mainport, Greenport, Almere, South Axis
Province (state) * 12 Provinces – 2 in AMR	Housing Environment Infrastructure & Landschape	Spatial vision 2040
Waterboards* 4 bodies in AMR	Watermanagement & safety	No spatial plan
AMR 36 municipalities, 2 provinces, 1 city region EDB	Housing, Infrastrucure Metropolitan Landscape Sustainability, Economy	Structural Vision 2030
City region Amsterdam* 16 municipalities	Infrastructure & youth care	Infrastructure plan
City of Amsterdam* Departments + Harbour Spatial Planning – Infrastructure – Economy – Projectmanagement – Construction – Housing – Finance	Spatial Planning Infrastructure, Economic affairs Projectmanagement, Construction, Housing, Finance	Structural Vision 2040 Masterplan Development plan Strategic Agenda
Citydistricts*		Spatial Plans/visions Masterplan, Zoning plans

*elected authorities



Planning system in the Netherlands



CONCEPT

ISM intern werkdokument d.d. 11-04-2011



Ministerie van Infrastructuur en Milieu

3 Sturing, instrumenten en nationale doelen

3.1 RIJKSOPGAVEN EN NATIONALE DOELEN

DE NATIONALE RUIMTELIJKE HOOFDSTRUCTUUR

Versterken van de ruimtelijk-economische structuur van Nederland

stedelijke regio's met topsectoren

faciliteren valleys

brainport Eindhoven

stad van recht

Zuidas

mainport Schiphol

mainport Rotterdam

greenports

Optimale interne en internationale bereikbaarheid

samenwerkende luchthavens

weg

ontbrekende schakels

spoor

vaarweg

Ruimtelijk mogelijk maken van de nationale hoofdnetwerken

hoofdwegennet

energienetwerk

buisleidingenstroken

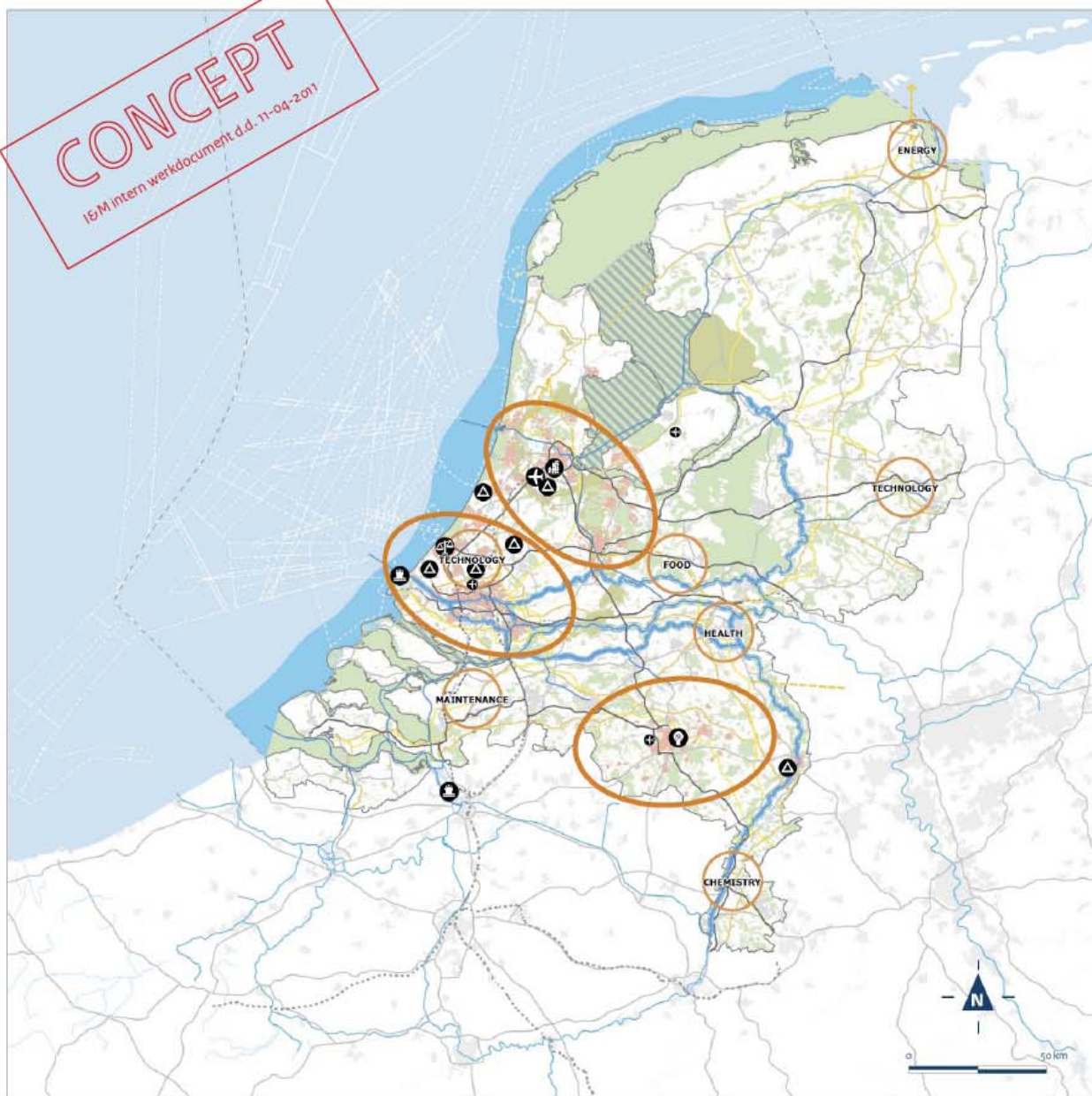
Waarborgen van een gezonde en veilige leefomgeving

internationale unieke culturele waarden

natuurnetwerk* (nog te herijken EHS)

waterveiligheid

zoetwatervoorziening



National level



Harbour



Almere



Airport-Greenport

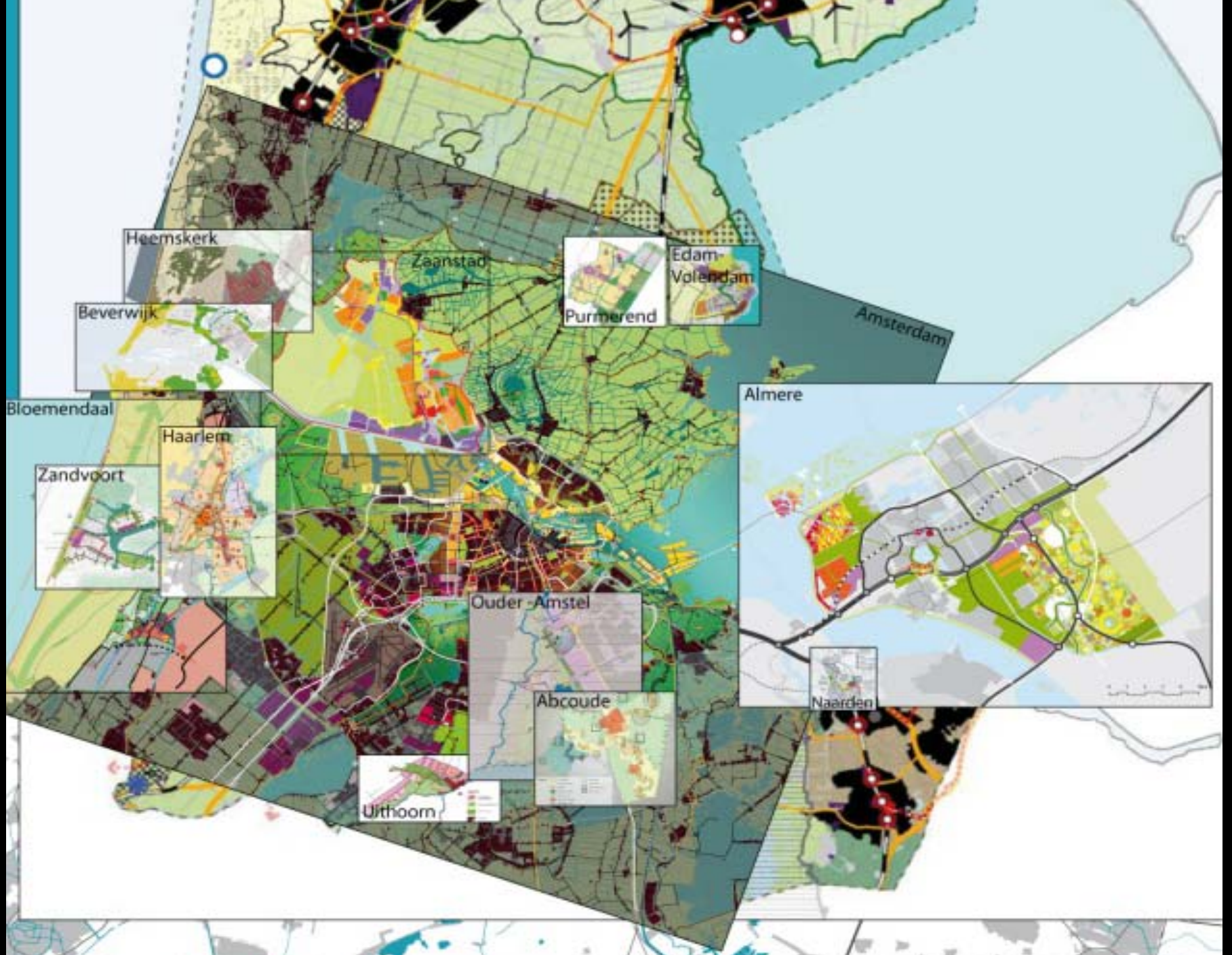


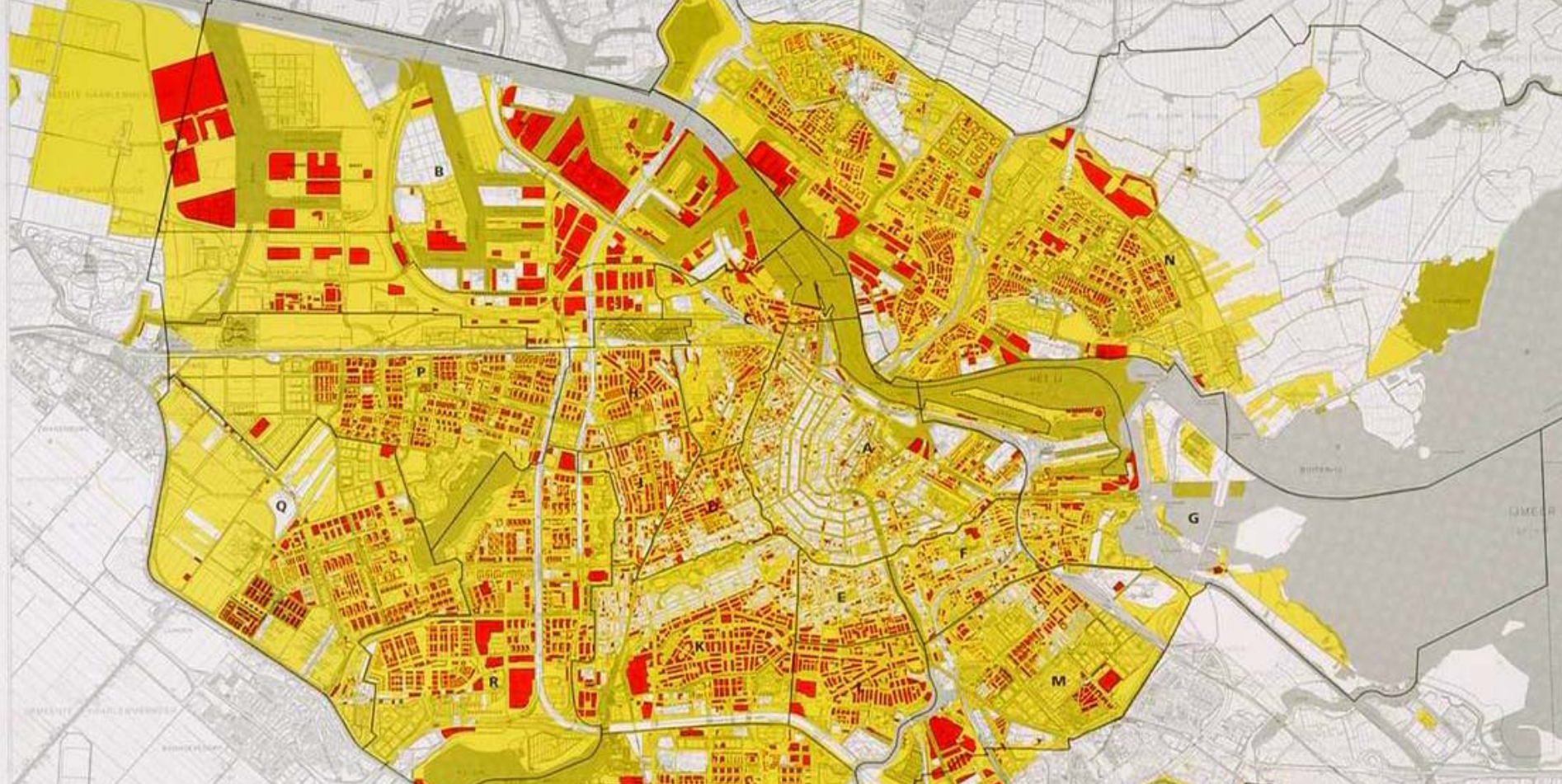
South Axis



Amsterdam Metropolitan Area

Future Investments > € 13,5 billion needed > € 3 billion available for NL!





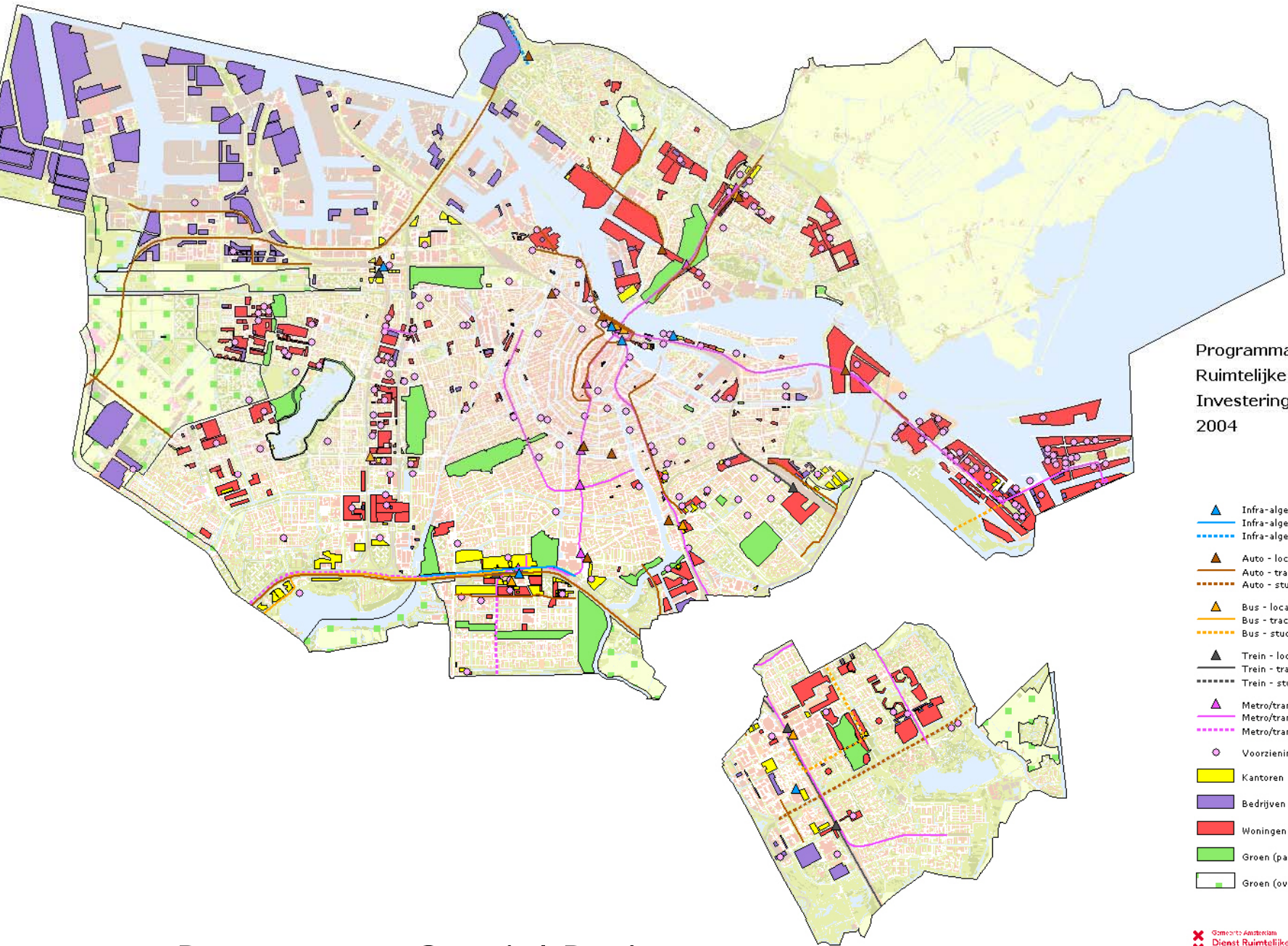
Eigendomskaart Gemeente Amsterdam
 Situatie per 1 januari 1996.
 Aan deze kaart kunnen geen rechten worden ontleend.

Deze kaart is gemaakt door het Gemeentelijk Grondbedrijf Amsterdam op basis van gegevens van de afdelingen Grondzaken van de respectievelijke stadsdelen en van het Gemeentelijk Grondbedrijf.
 De topografische ondergrond is waar mogelijk gebaseerd op basis van de topografische 1:25.000 kaart van de afdeling Landmeten en Kartografie van Stedelijk Bureau Amsterdam.

- Eigendom van de gemeente Amsterdam
- Erfpacht (uitgegeven door de gemeente Amsterdam)
- Grens Gemeentelijk Havenbedrijf
- Grenzen stadsdelen

- | | |
|-------------------------|-------------------------|
| A Binnenstad | L Rivierenbuurt |
| B Westelijk havengebied | M Watergraafsmeer |
| C Westerpark | N Noord |
| D Oud West | P Geuzenveld/Slotermeer |
| E De Pijp | Q Oud-Zuid |

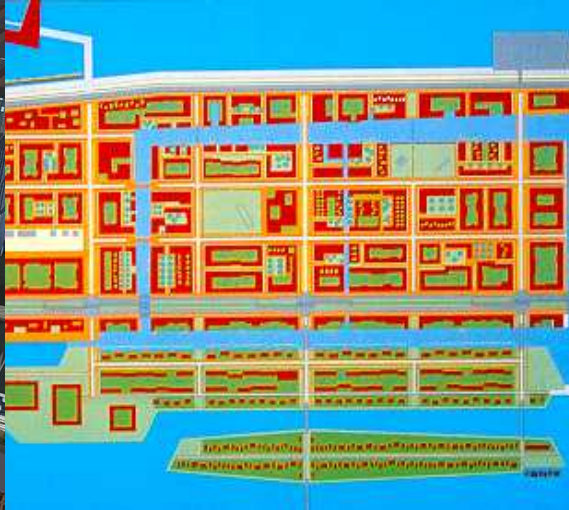
Land leased (red) and owned land (yellow)

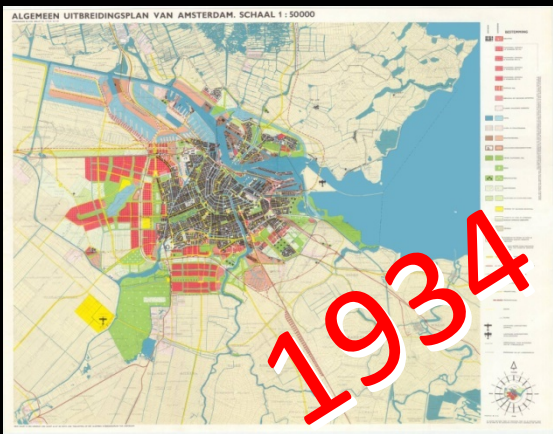


Programma
Ruimtelijke
Investerings
2004

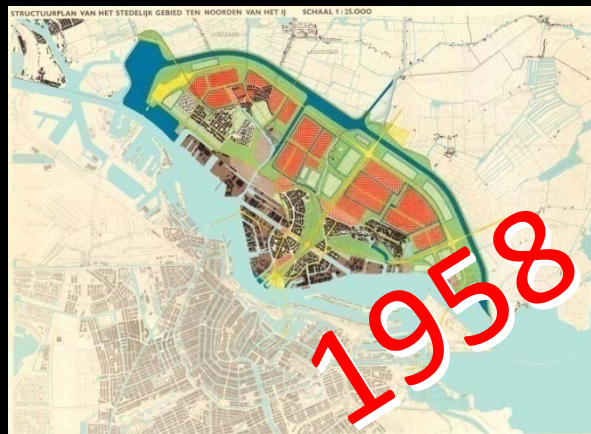
- ▲ Infra-algemeen - locatie
- Infra-algemeen - tracé
- ⋯ Infra-algemeen - studie
- ▲ Auto - locatie
- Auto - tracé
- ⋯ Auto - studie
- ▲ Bus - locatie
- Bus - tracé
- ⋯ Bus - studie
- ▲ Trein - locatie
- Trein - tracé
- ⋯ Trein - studie
- ▲ Metro/tram - locatie
- Metro/tram - tracé
- ⋯ Metro/tram - studie
- Voorzieningen
- Kantoren
- Bedrijven
- Woningen
- Groen (parken)
- Groen (overig)

Gemeente Antwerpen
Dienst Ruimtelijke Ordening

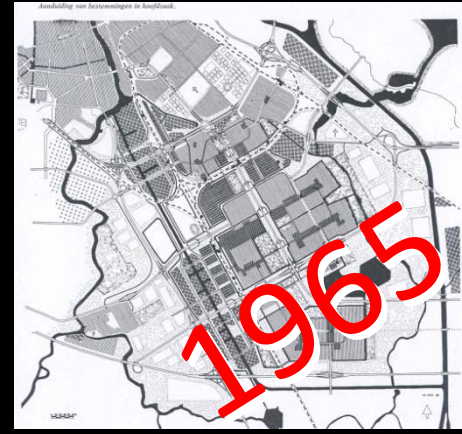




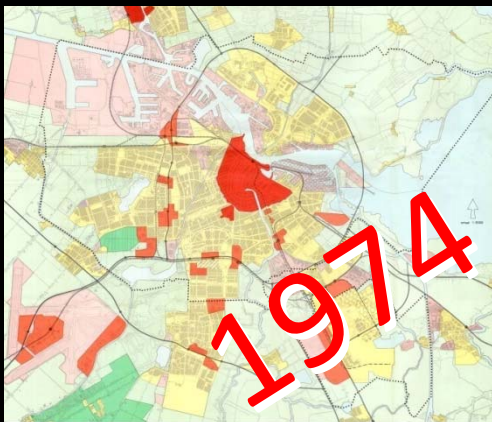
1934



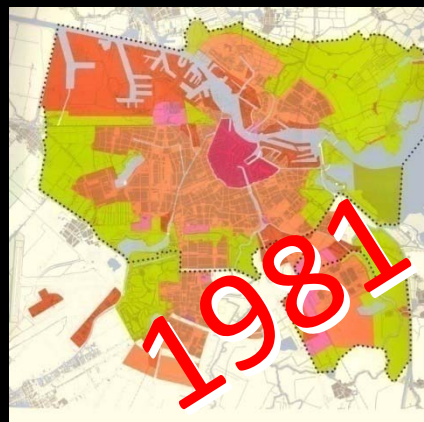
1958



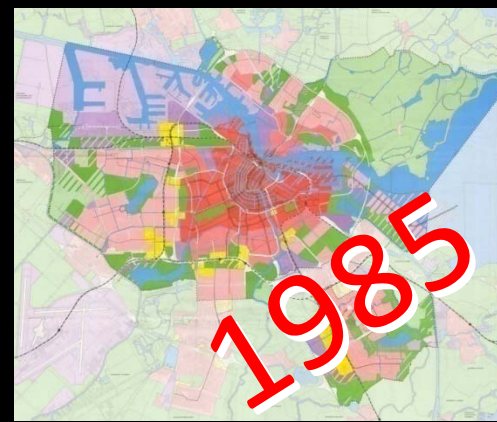
1965



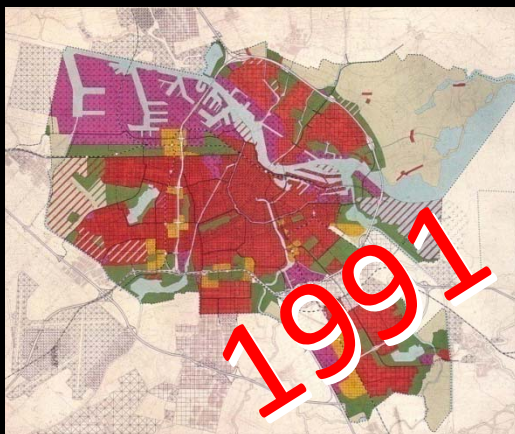
1974



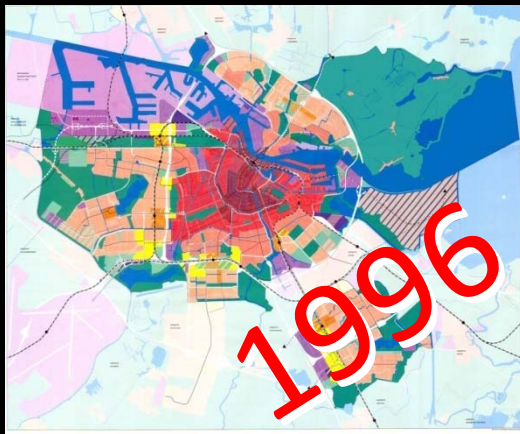
1981



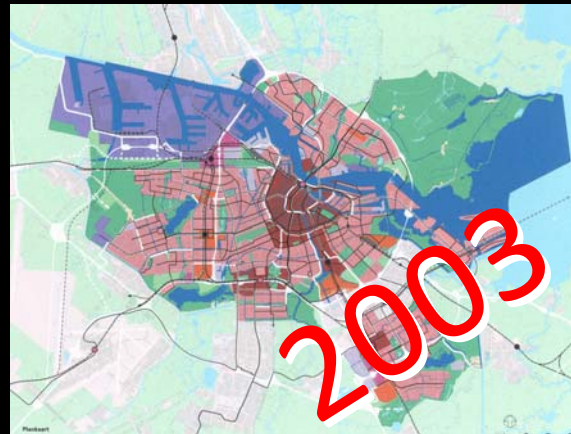
1985



1991



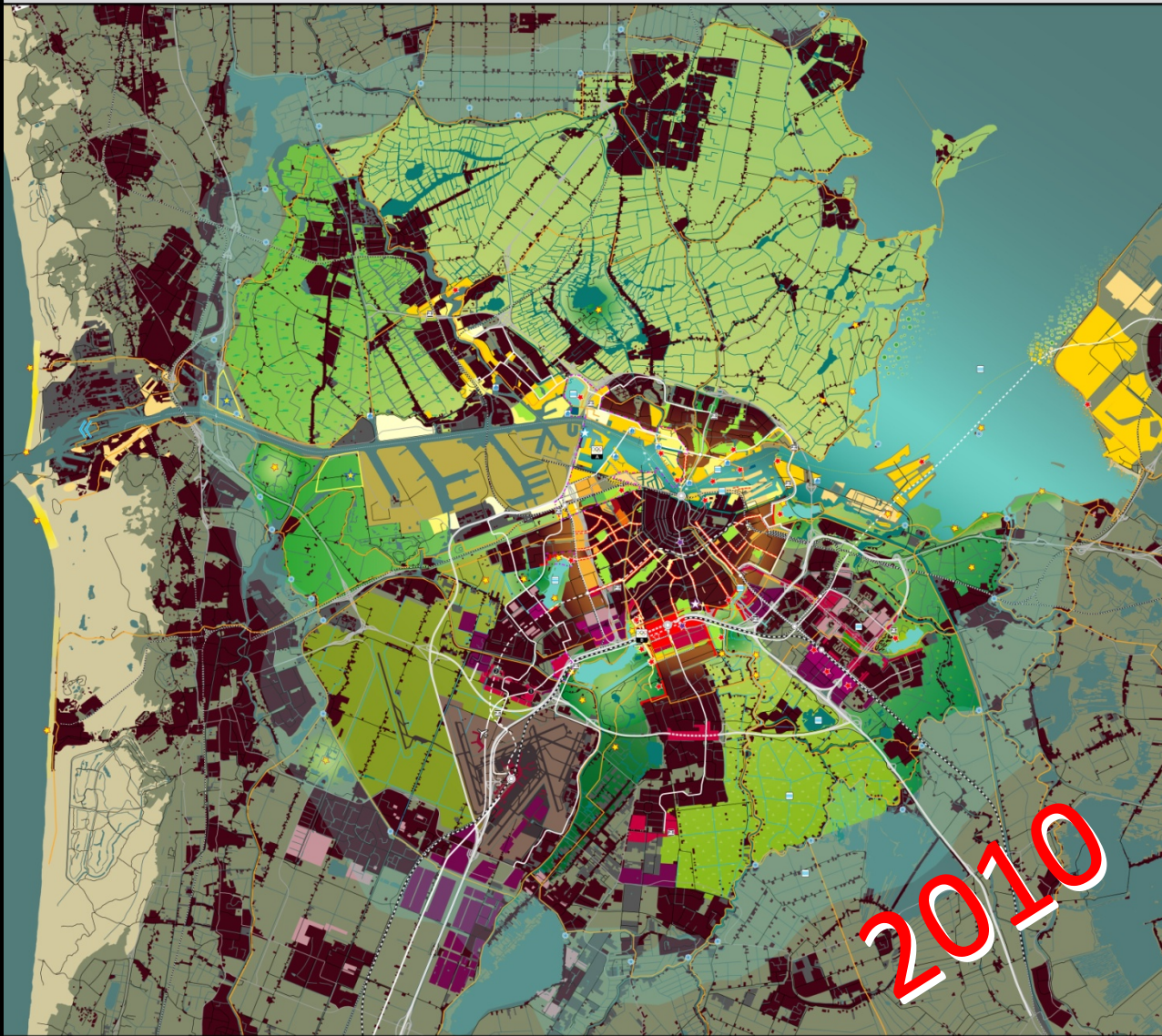
1996



2003

Visiekaart Amsterdam 2040

Vier grote bewegingen vinden onmiskenbaar plaats. Vergroting van het populaire centrum, dynamiek langs het waterfront rondom het Noordzeekanaal, het IJ en het IJmeer en internationale ontwikkelingen aan de zuidkant van de stad met de Zuidas als centrum, en een intensiever recreatief gebruik van het landschap rond de stad. Er zijn twee mogelijke Olympische locaties.



Legenda

<p>Waterfront</p> <ul style="list-style-type: none"> wonen - werken werken - wonen werken projecten in planning of reeds gerealiseerd intensiveren haarsgebied 	<p>Uitrol</p> <ul style="list-style-type: none"> wonen - werken werken - wonen werken werkloosheidsbedrijfsgebied Zuidas projecten in planning of reeds gerealiseerd kwaliteitsimpuls: haalstraten en glazen extra kwaliteitsimpuls: haalstraten en glazen 	<p>Zuidflank</p> <ul style="list-style-type: none"> Zuidas wonen - werken werken - wonen werken metropooltaan park projecten in planning of reeds gerealiseerd 	<p>Metropooltaan landschap</p> <ul style="list-style-type: none"> Amstelweg Schiedamschedijk Tuinen van west Buitenvoort Zwanenweg Waterland Diemenweg Uilenburgweg 	<p>Algemeen</p> <ul style="list-style-type: none"> capaciteitsuitbreiding snelweg bovengronds capaciteitsuitbreiding snelweg ondergronds hogesnelheidslijn spoorverbinding hogesnelweg of bovengronds hogesnelweg of ondergronds verleggen van waaierlijn internationaal of knooppunt hoofd of knooppunt secundair of knooppunt optie Regionaal Schiphol - Almere optie Oostwest metrolijn nieuwe zone- en veerverbindingen P&R locatie strand 2^o aansluit 2^o terminal Schiphol 2^o resectie terminal 2^o resectie terminal hoofd of knooppunt jachthavens wachtplaats binnenhaven regionale fietsroutes kwaliteitsimpuls stadspark Stelling van Amsterdam strand intermodale plek recreatief programma suggestie natuurontwikkeling ontbrekende waterwand kwaliteitsimpuls overgang stad - schied optie lokale Olympische Spelen intensivering R&A terrein Sporten natuurgebied kwaliteitsimpuls kwaliteitsimpuls uitbreiding haarsgebied (grond) water gerelateerde projecten
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Genemete Amsterdam februari 2010

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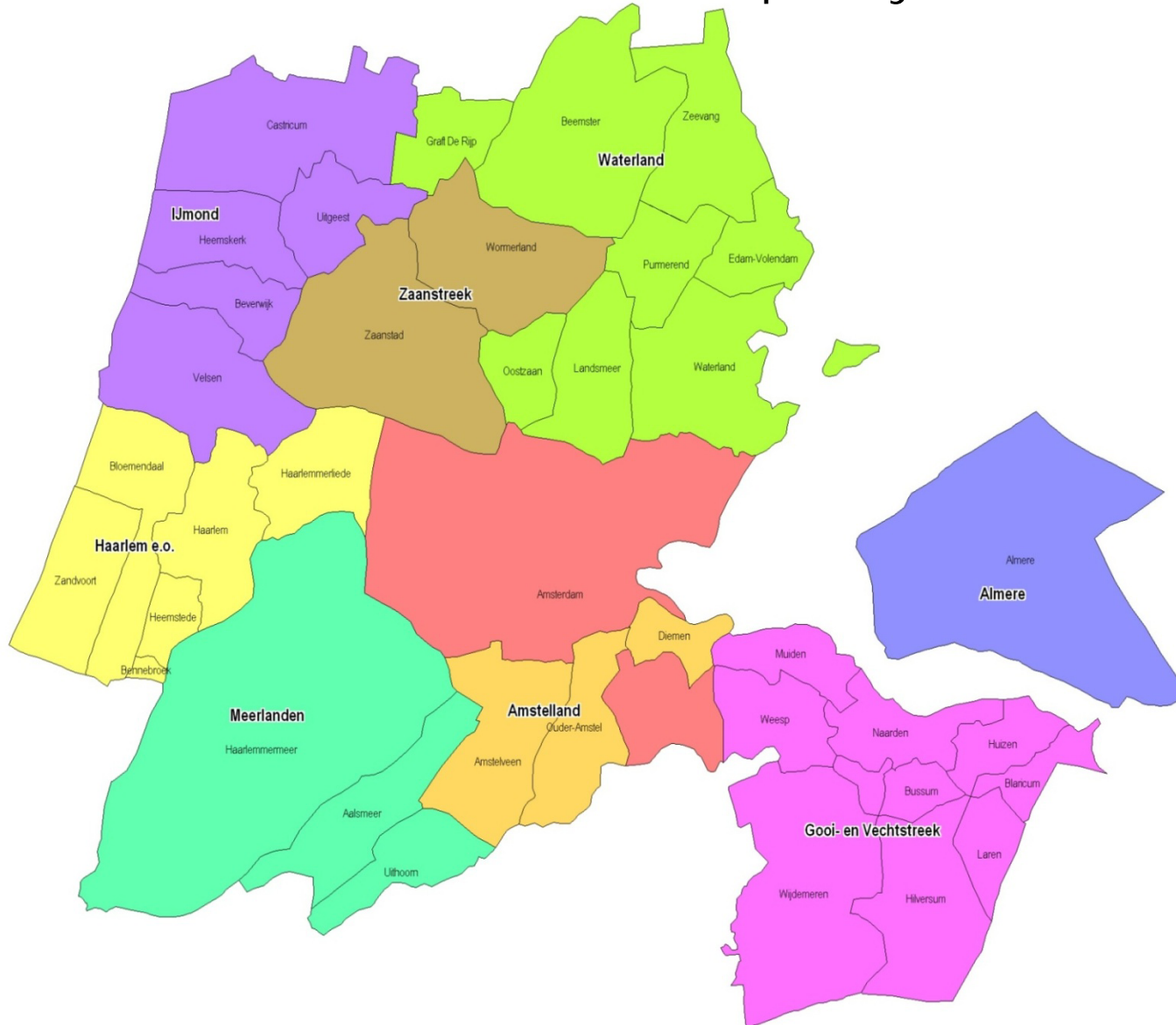
Building dikes around polders to protect the landscape from flooding



A culture of debating
Governance instead of Government



How to deal with complexity

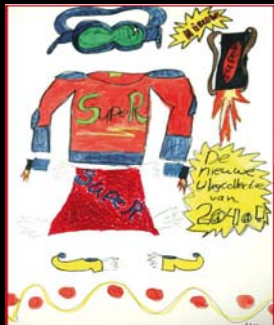


36 Municipalities | 1 Cityregion | 2 Provinces

Planning = 80% communication

How to inspire?

4 Metropolitan Conferences on housing, infrastructure, landscape & sustainability leading to 1 overall future perspective



Amsterdam Metropolitan Area 2040

- intensification of the urban area
- expansion of the urban area
- rural settlements
- offices
- business parks
- greenhouse horticulture
- creative industry
- knowledge cluster
- Amsterdam Internet exchange motorway
- ☆ park & ride transfer point
- regional public transport (rail)
- regional public transport (bus)
- high-speed train
- pedestrian / cyclist ferry
- car ferry
- seaway
- increase in water storage
- compartmentalization dike



Encouraging politicians, professionals, students and kids to participate and bring in their ideas

MORGEN TOMORROW

INTERNATIONAL URBAN PLANNING
CONGRESS AMSTERDAM

1&2 OCTOBER 2009

I amsterdam.



Over Morgen

Is 020 klaar voor 2040?



21 april 2011 | Felix Meritis

Inspire – Connect - Activate



FREE STATE AMSTERDAM:

26 September – 8 November 2009

Tolhuistuin, Amsterdam – 4th IABR 'Open City: Designing Coexistence



Inviting people to share their dreams about their future

Creating public awareness

9 models

Storytelling

A Space to dream

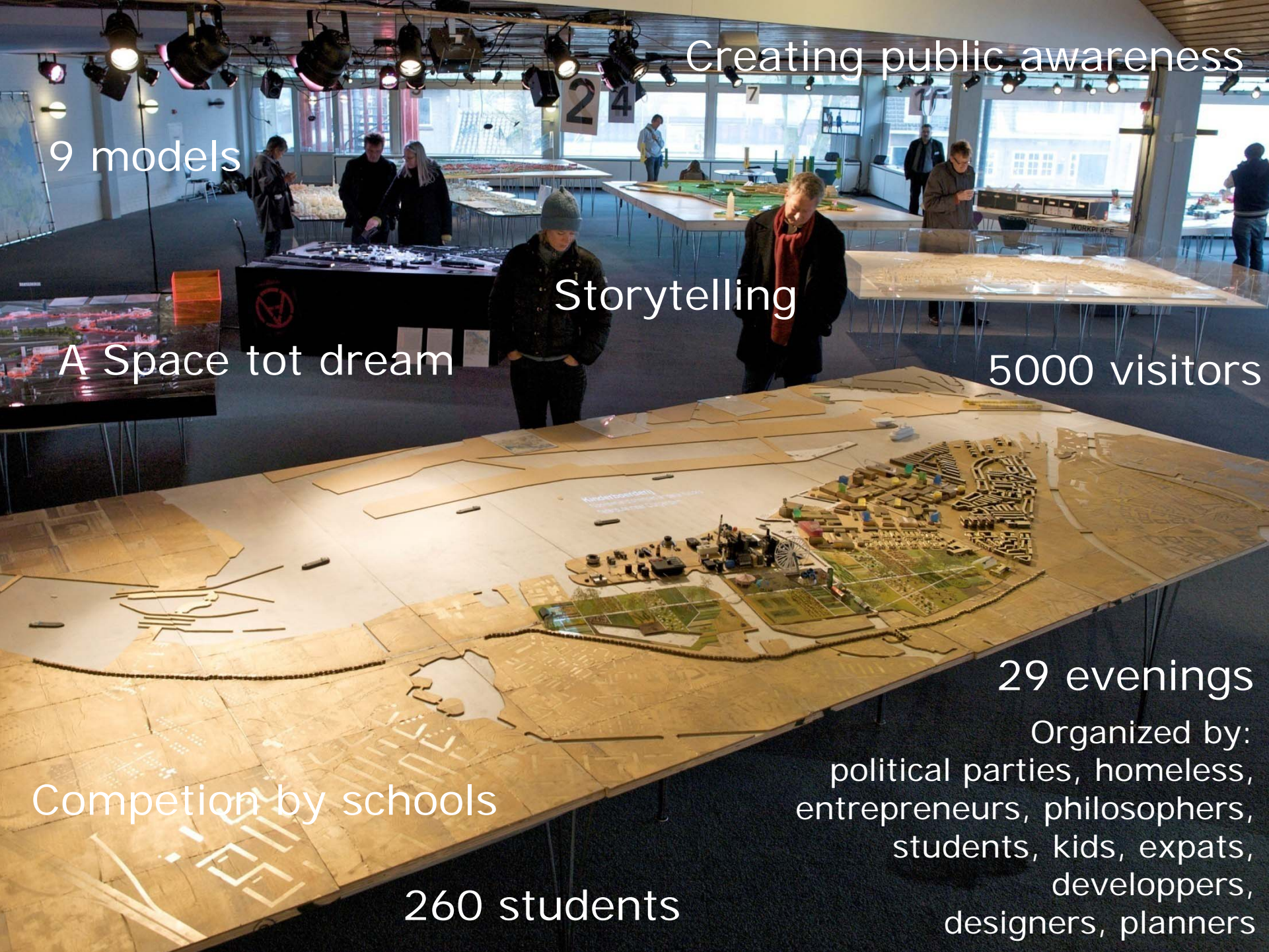
5000 visitors

29 evenings

Organized by:
political parties, homeless,
entrepreneurs, philosophers,
students, kids, expats,
developers,
designers, planners

Competition by schools

260 students

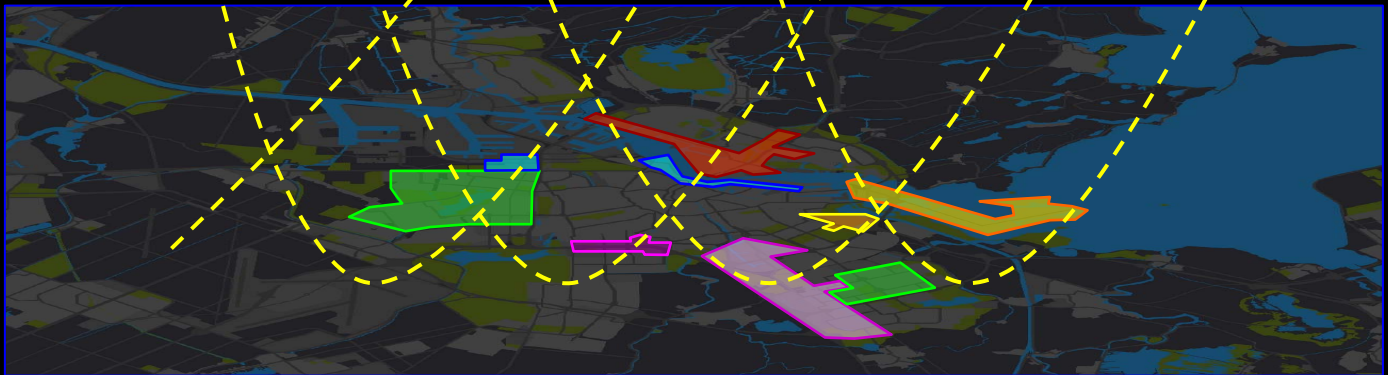
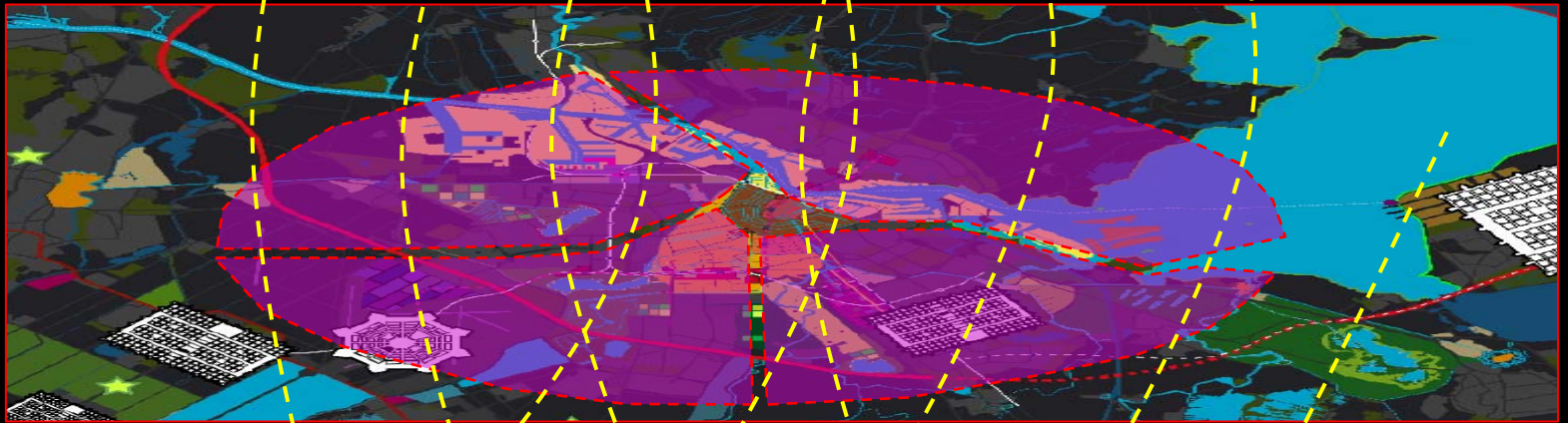
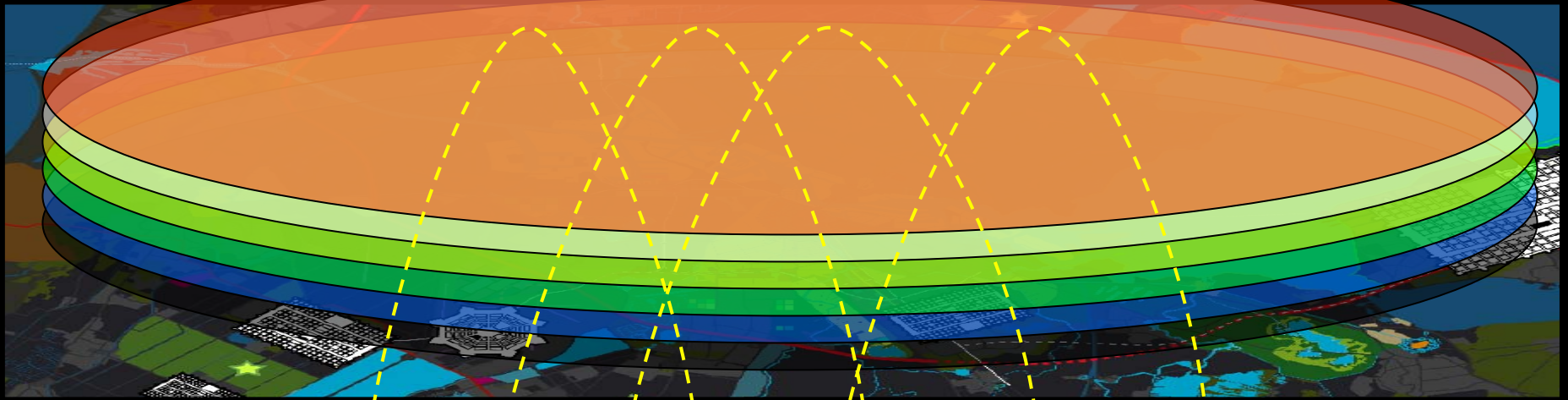




Studio KLOK
Amsterdam-Southeast
From Urban District to Free City



MUST
Head of the Amstelwedge
Landscape of Freedom



'The Amsterdam Principles'



Start small

Do not exclude others

Leave your weapons

Focus on the content

Share stories

No power points

Curb your passions

Be curious

Hold on!