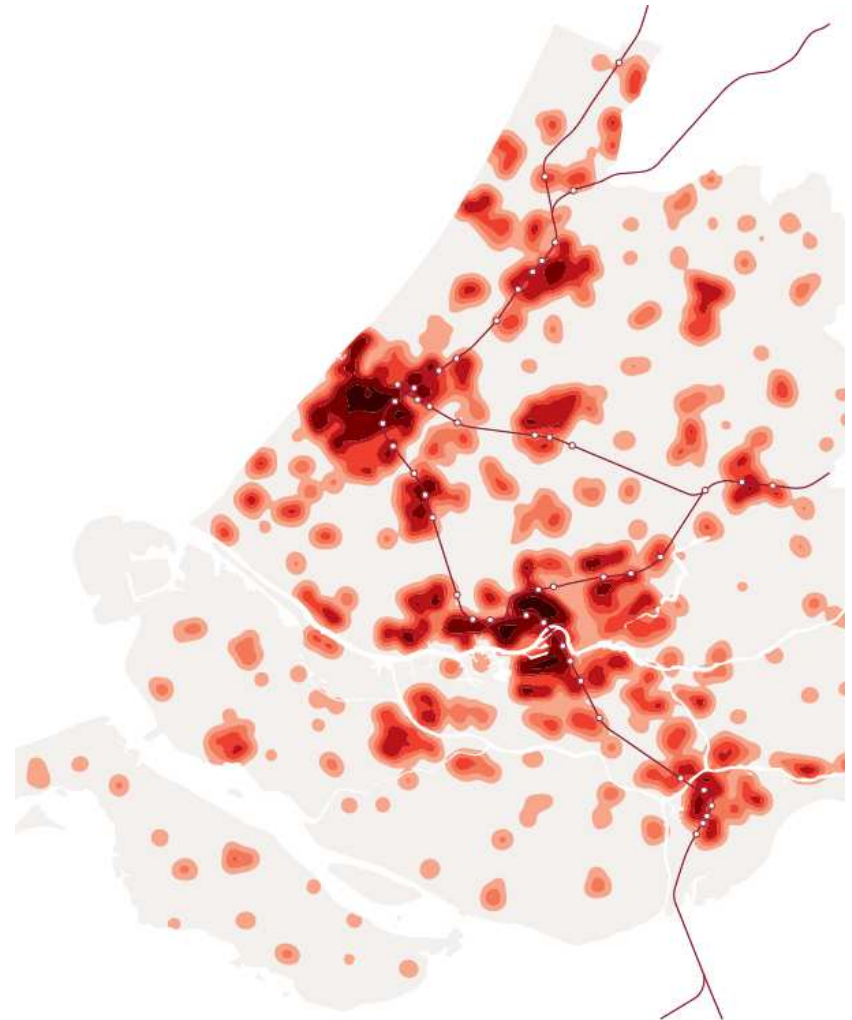
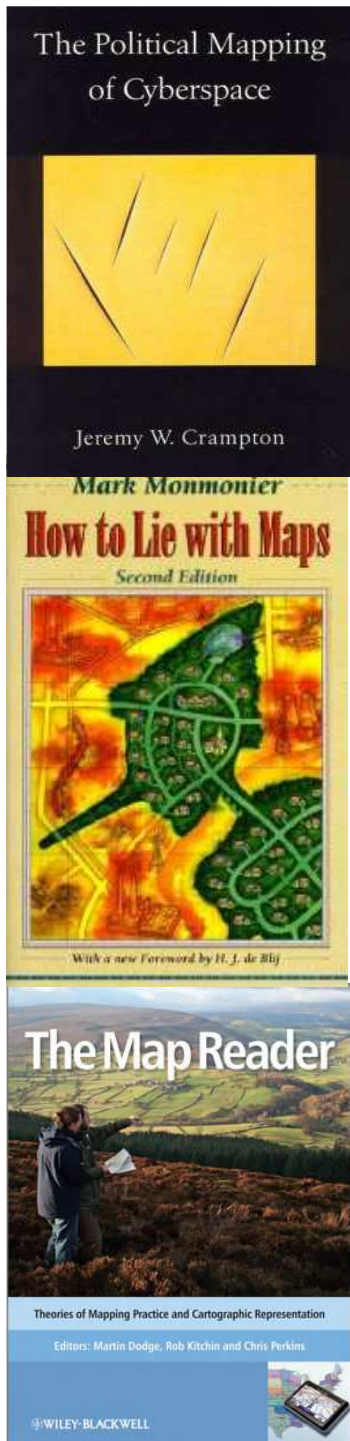


# Visioning and visualizing spatial structure and processes

Prof. dr. Wil Zonneveld  
TU Delft  
Faculty of Architecture

Image: Studio South-Wing/Atelier Zuidvleugel





Content of planning: perceptions of space, place & territory

Visualization  $\leftrightarrow$  materiality

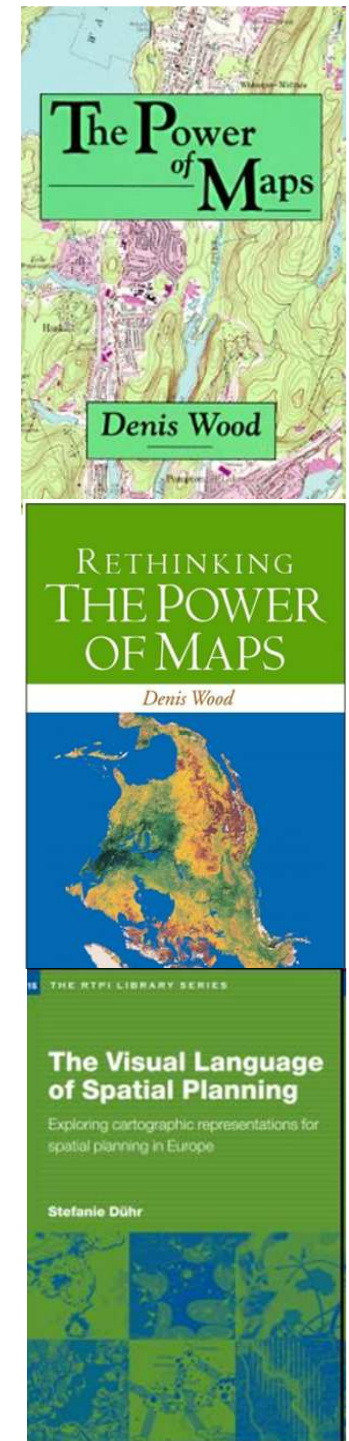
Regional level and higher: map dominant

Source of consensus and conflict

This presentation: what maps do, sometimes unintentionally

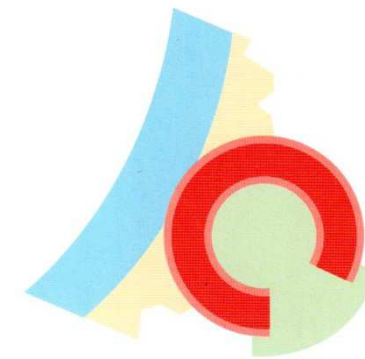
Focus: use of maps in debate and how choices influence debate

Conclusion: brief outline on 'visioning'

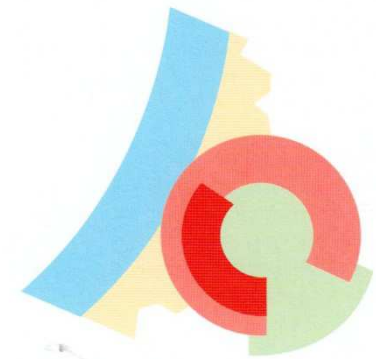




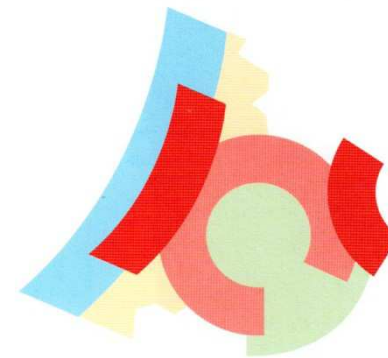
## Do we need maps in planning?(Van Eeten & Roe, 2000, JAPA)



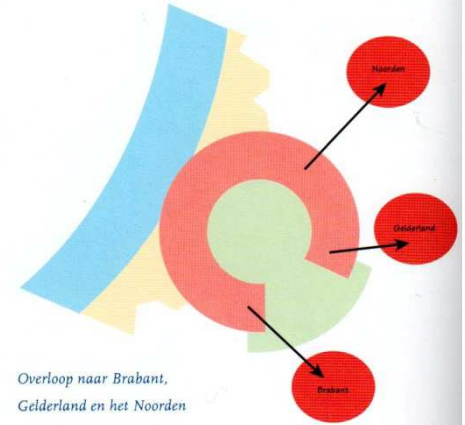
Intensivering op de ring



Benutting van binnenflank



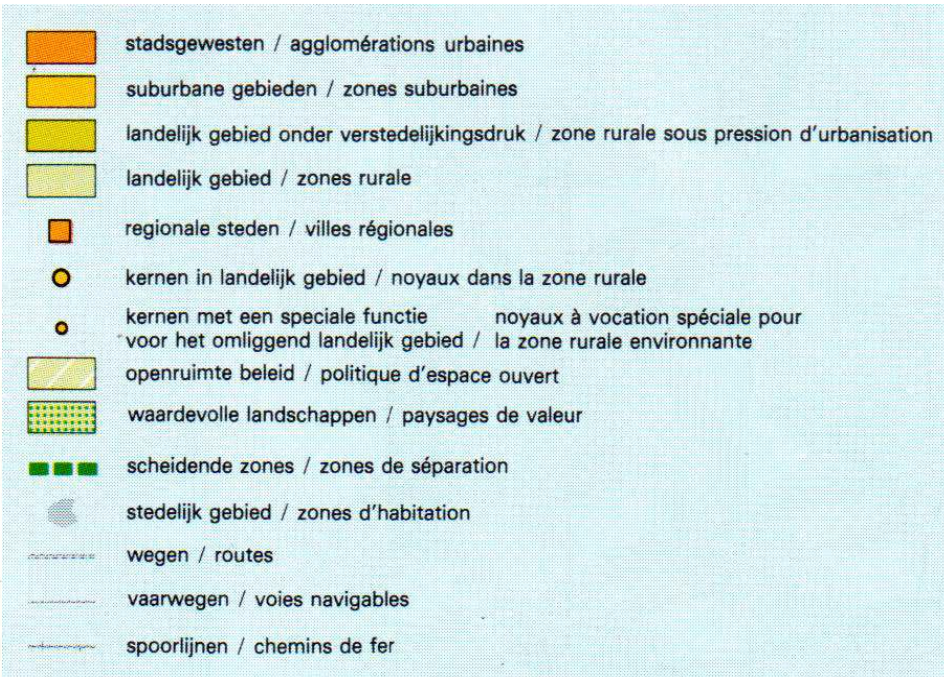
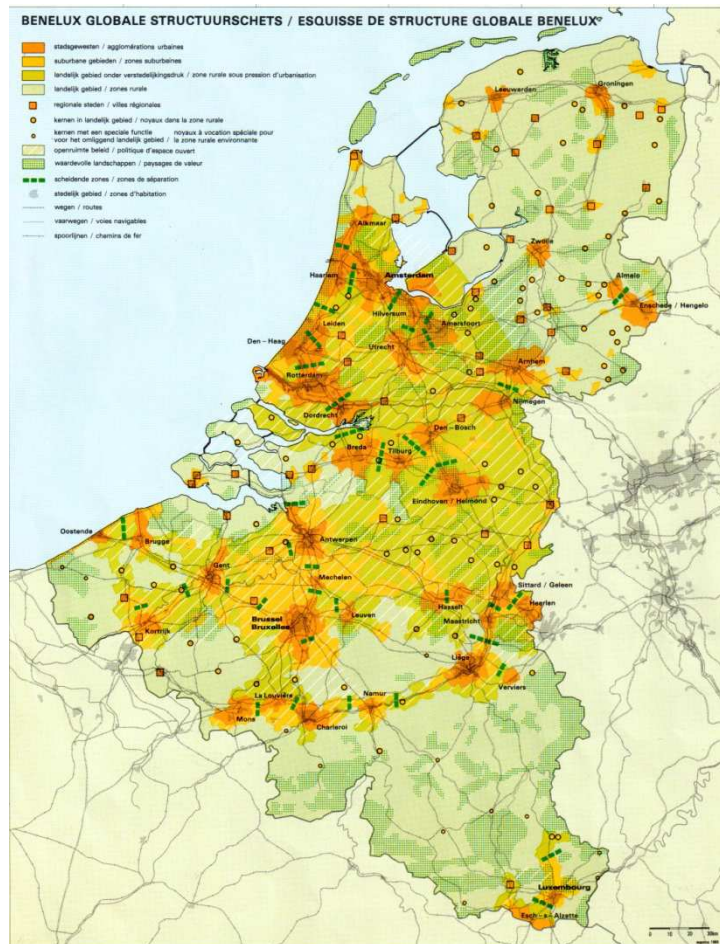
Benutting van binnenflank



Overloop naar Brabant,  
Gelderland en het Noorden

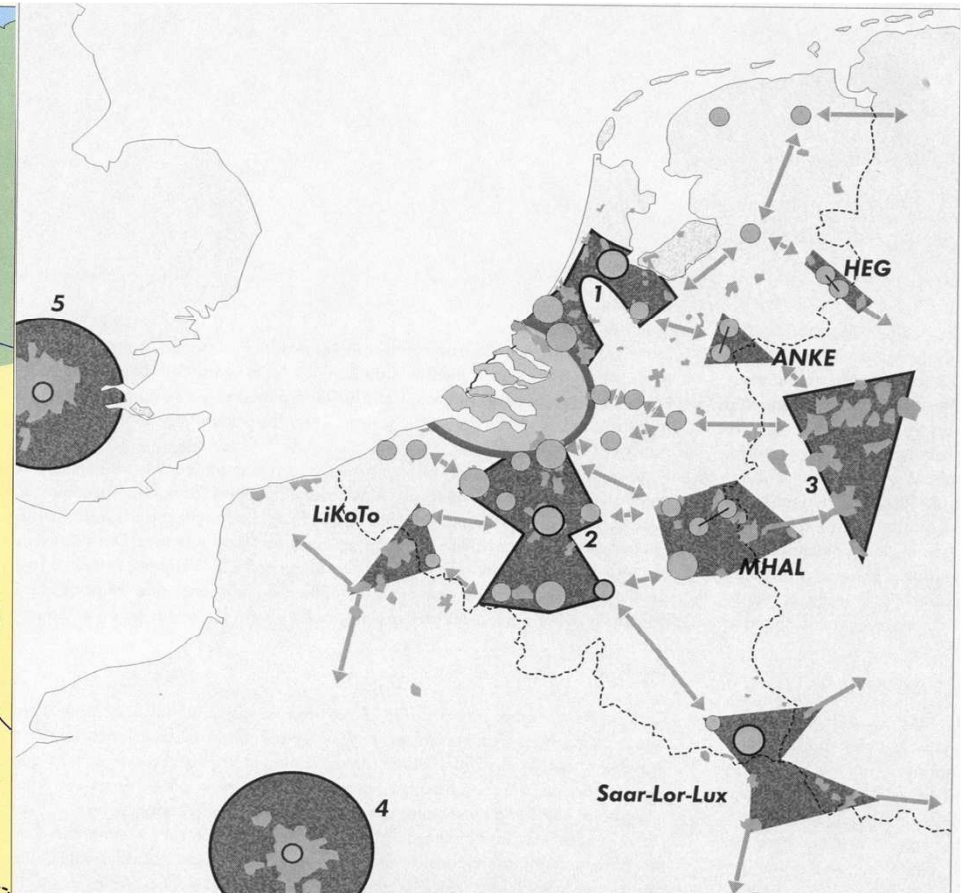
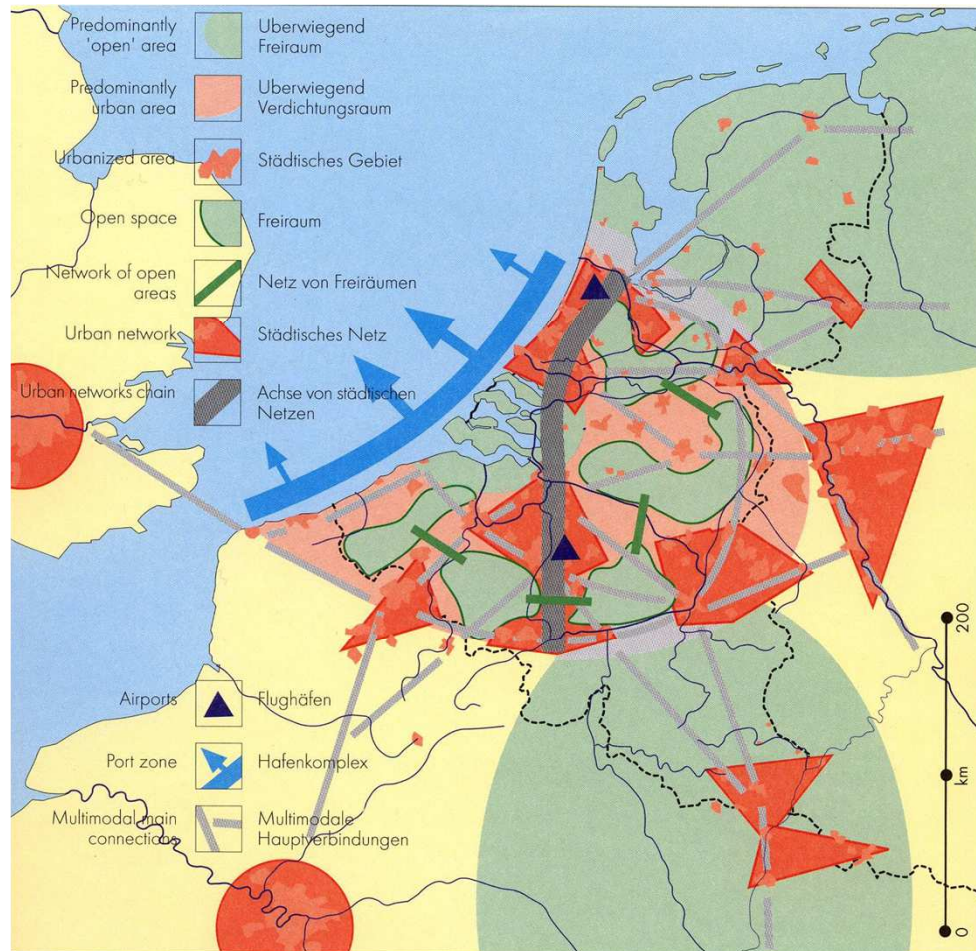


# Maps creating and seeking consensus in conflict



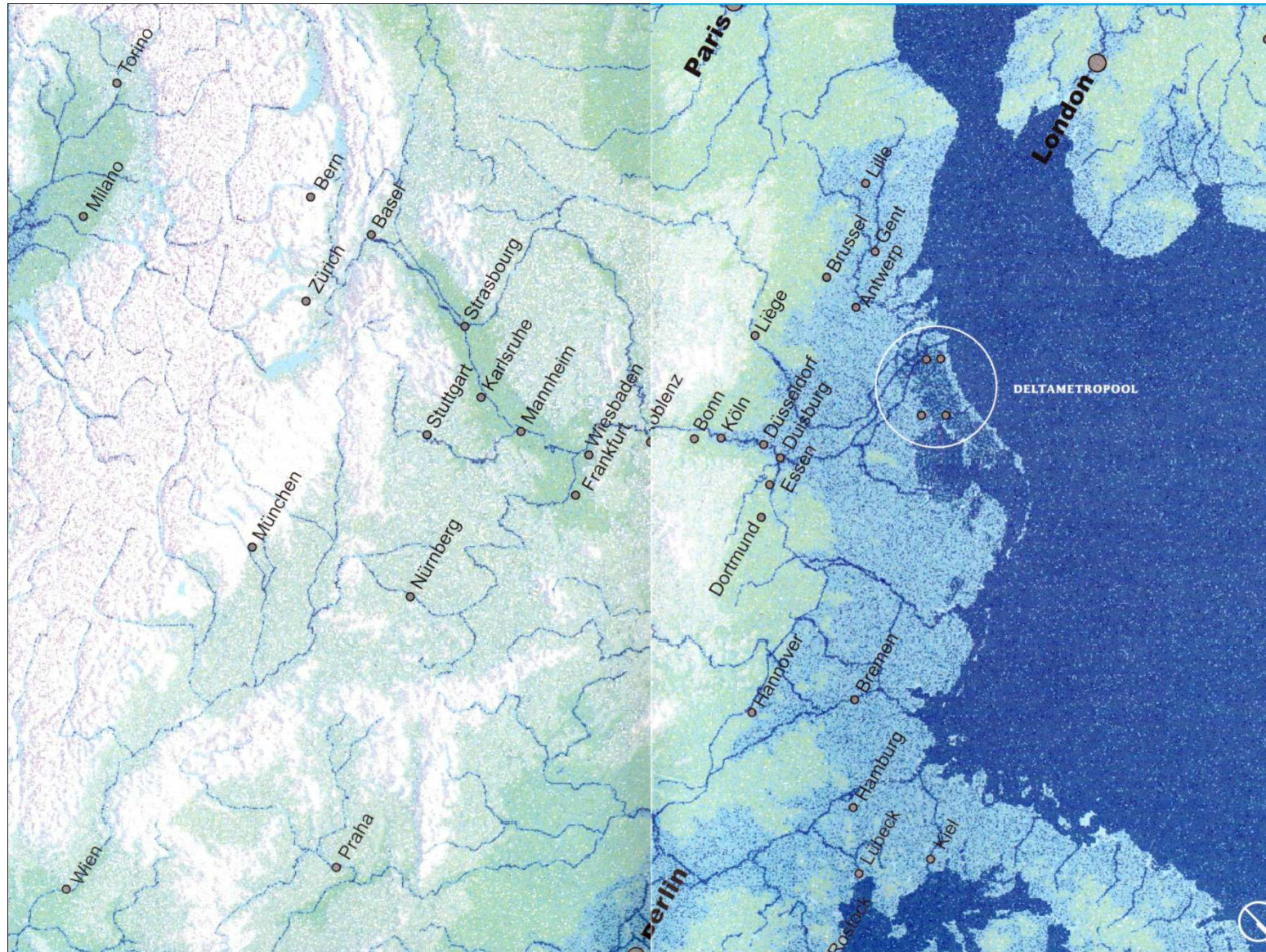


## Maps to stimulate thinking out of the box (but sometimes fail to do so)

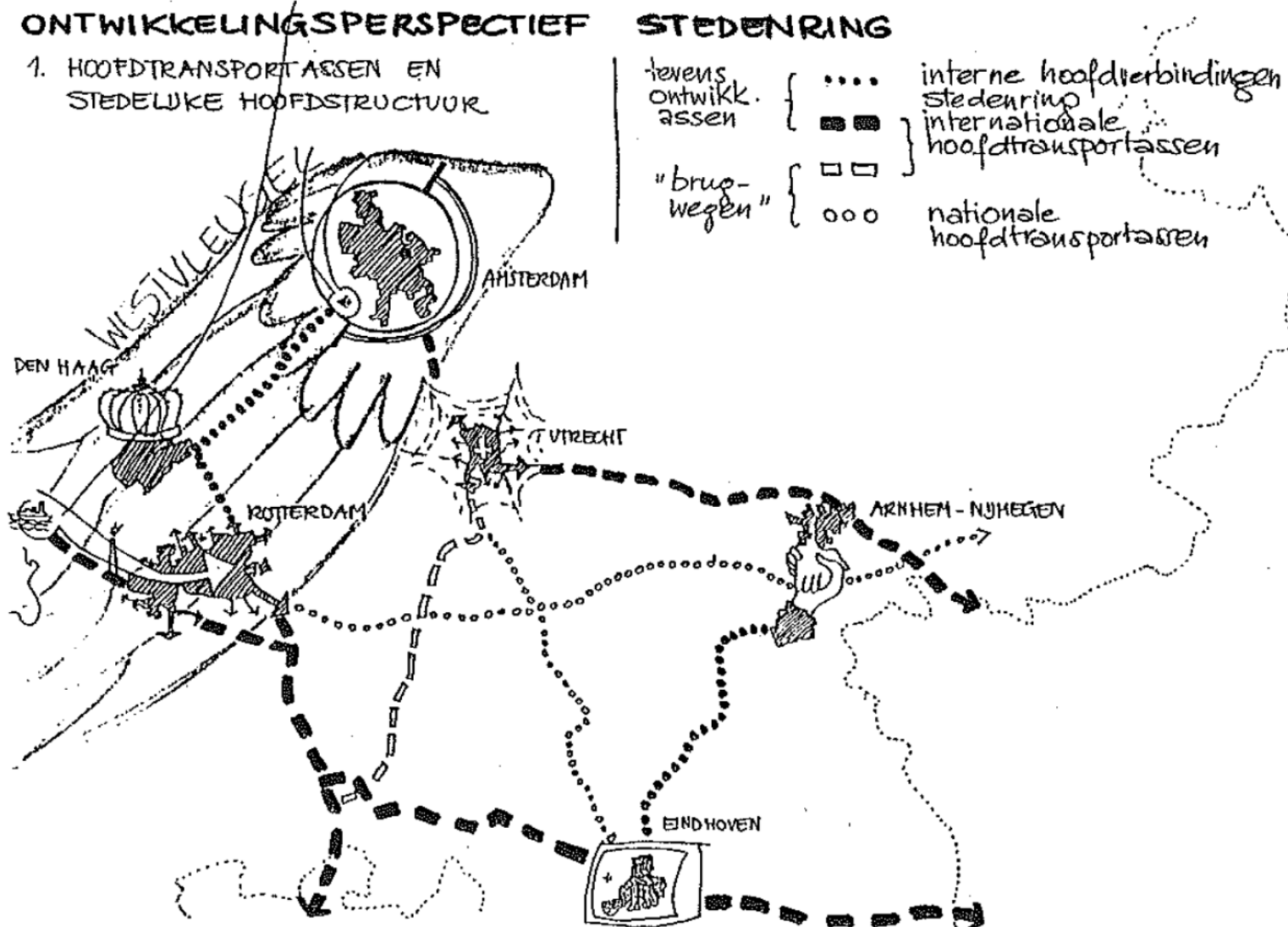




Maps to stimulate thinking out of the box (but sometimes fail to do so)

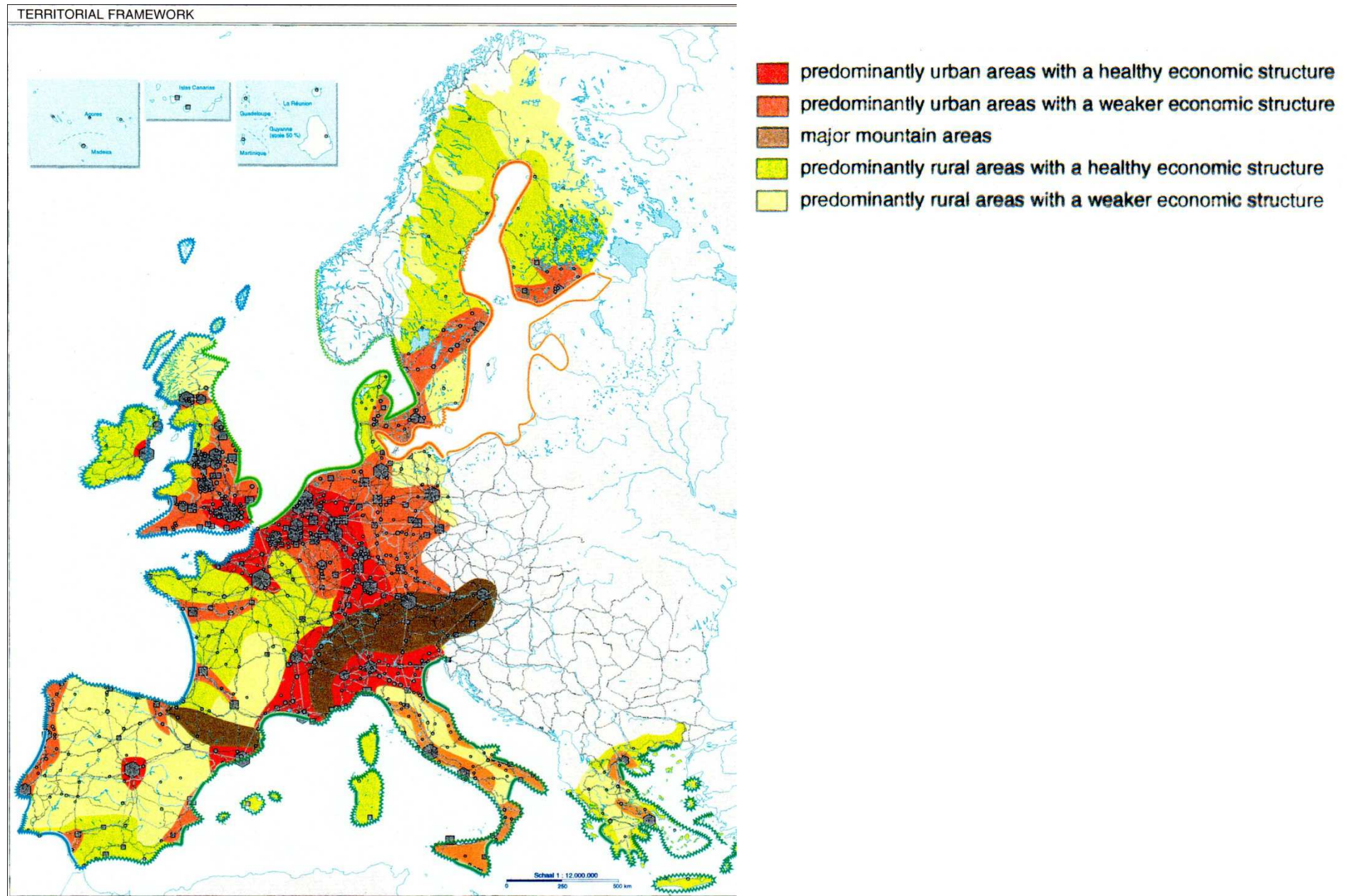


Maps to stimulate thinking out of the box (but sometimes fail to do so)

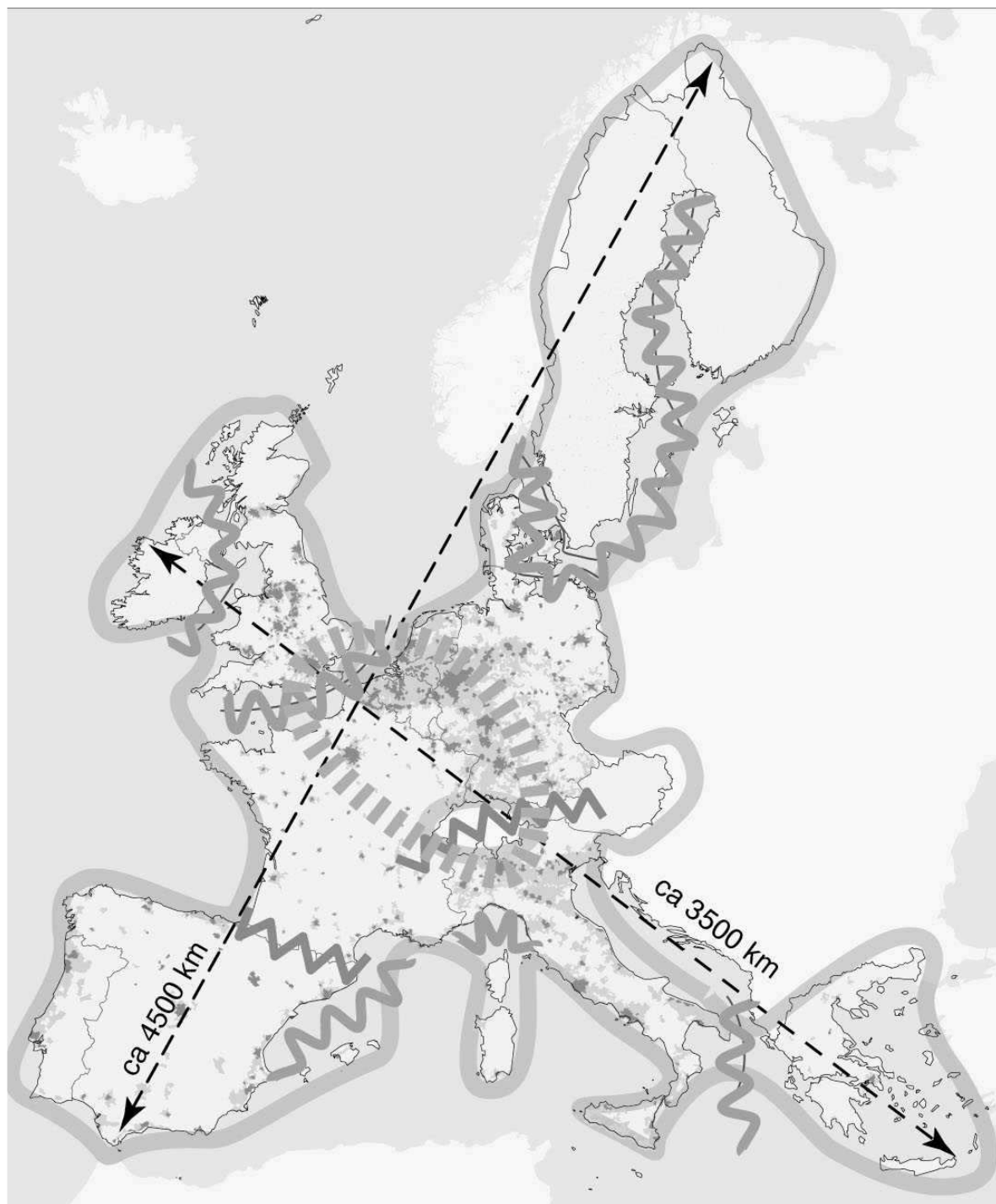




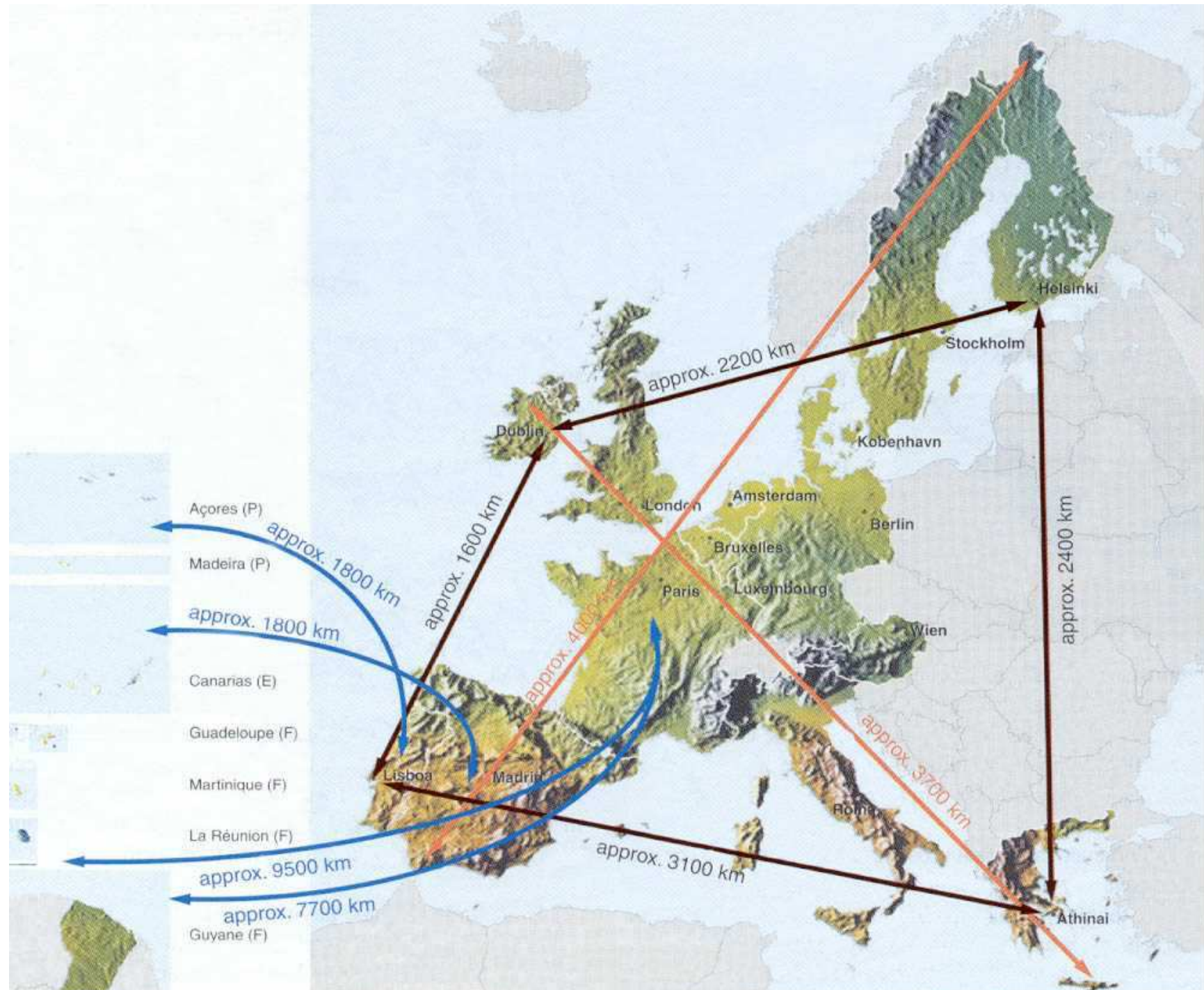
From maps to diagrams (because genuine maps are too controversial)



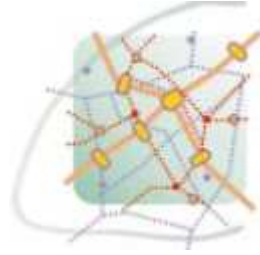
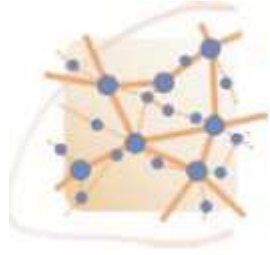
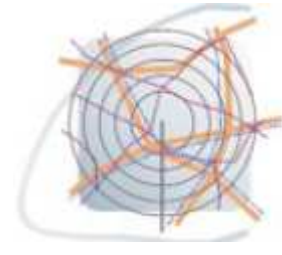




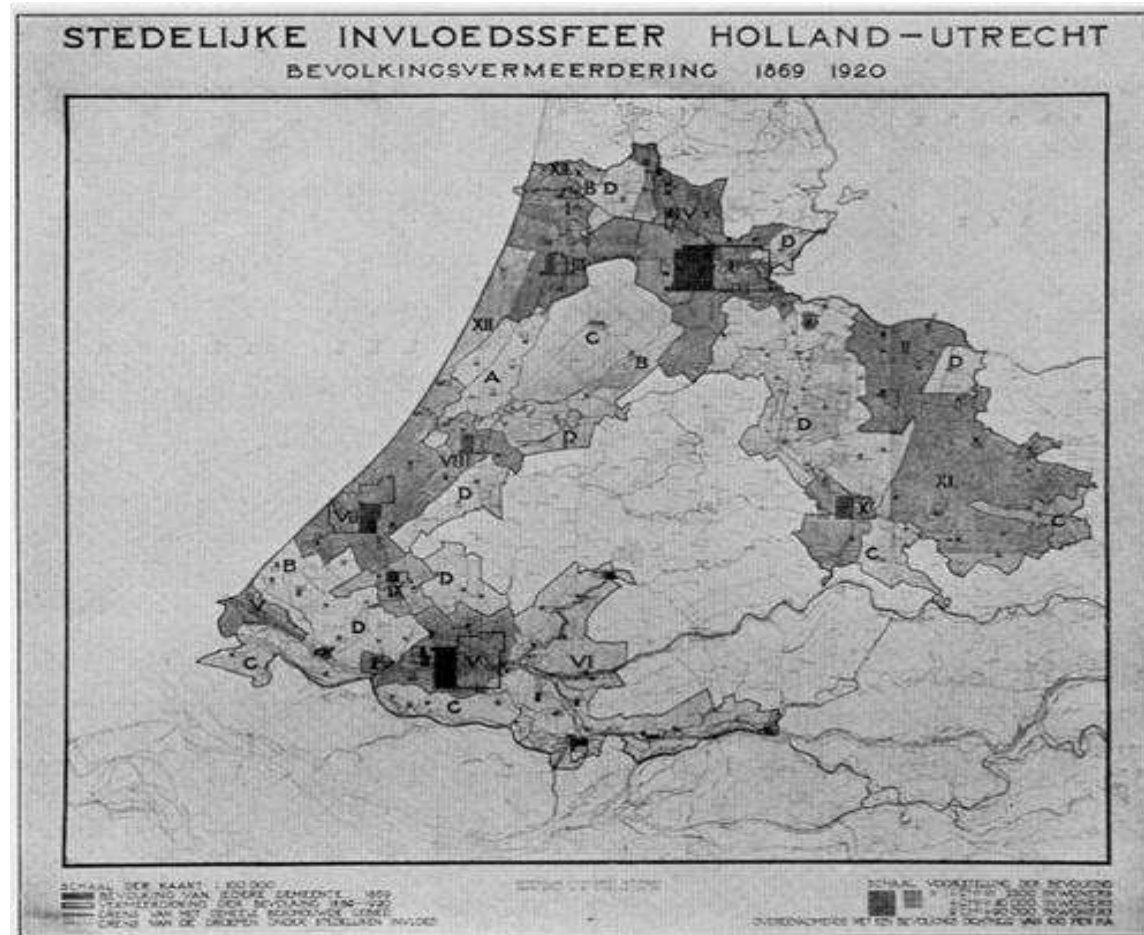
- contour of EU-territory, bordering sea
- contour of EU-territory, bordering land
- physical barrier: sea
- physical barrier: mountain
- internal EU-borders
- max. distance within contour
- population density high
- population density medium





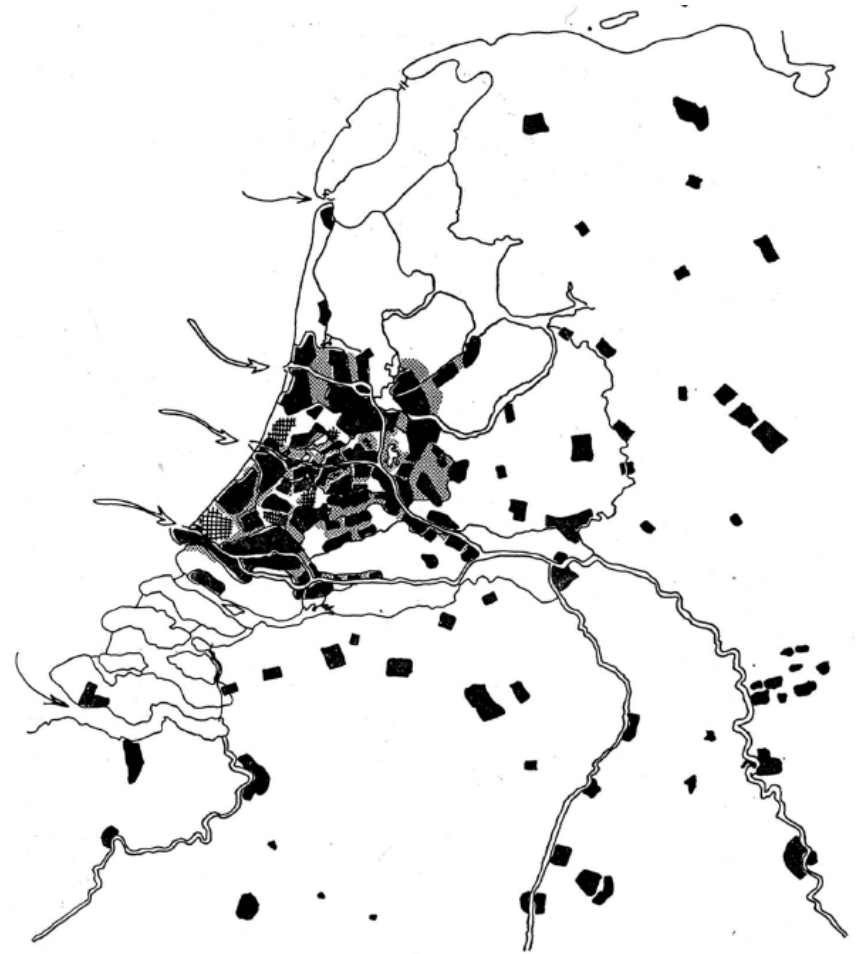
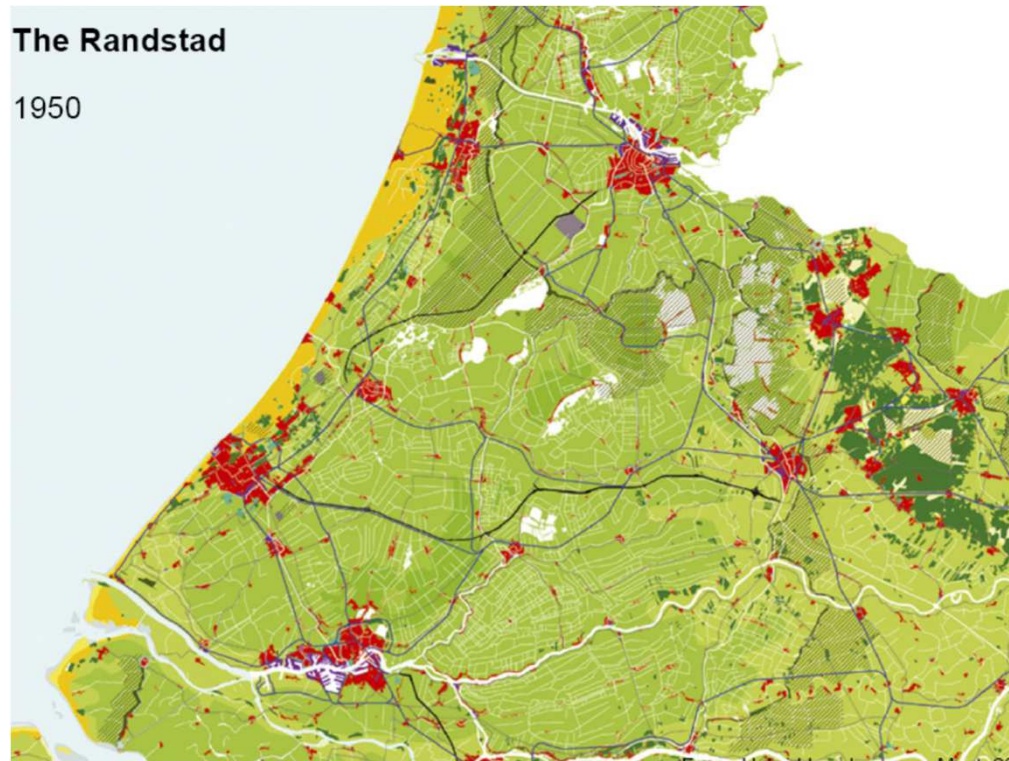


## Maps to provide evidence in discourse

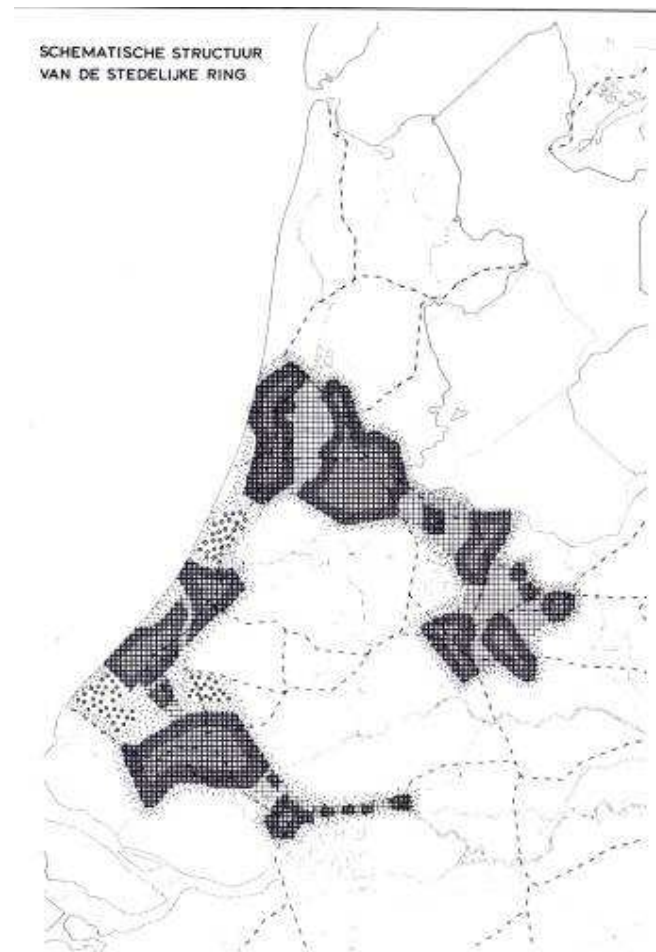




## Maps to show an unwanted future: the discursive map

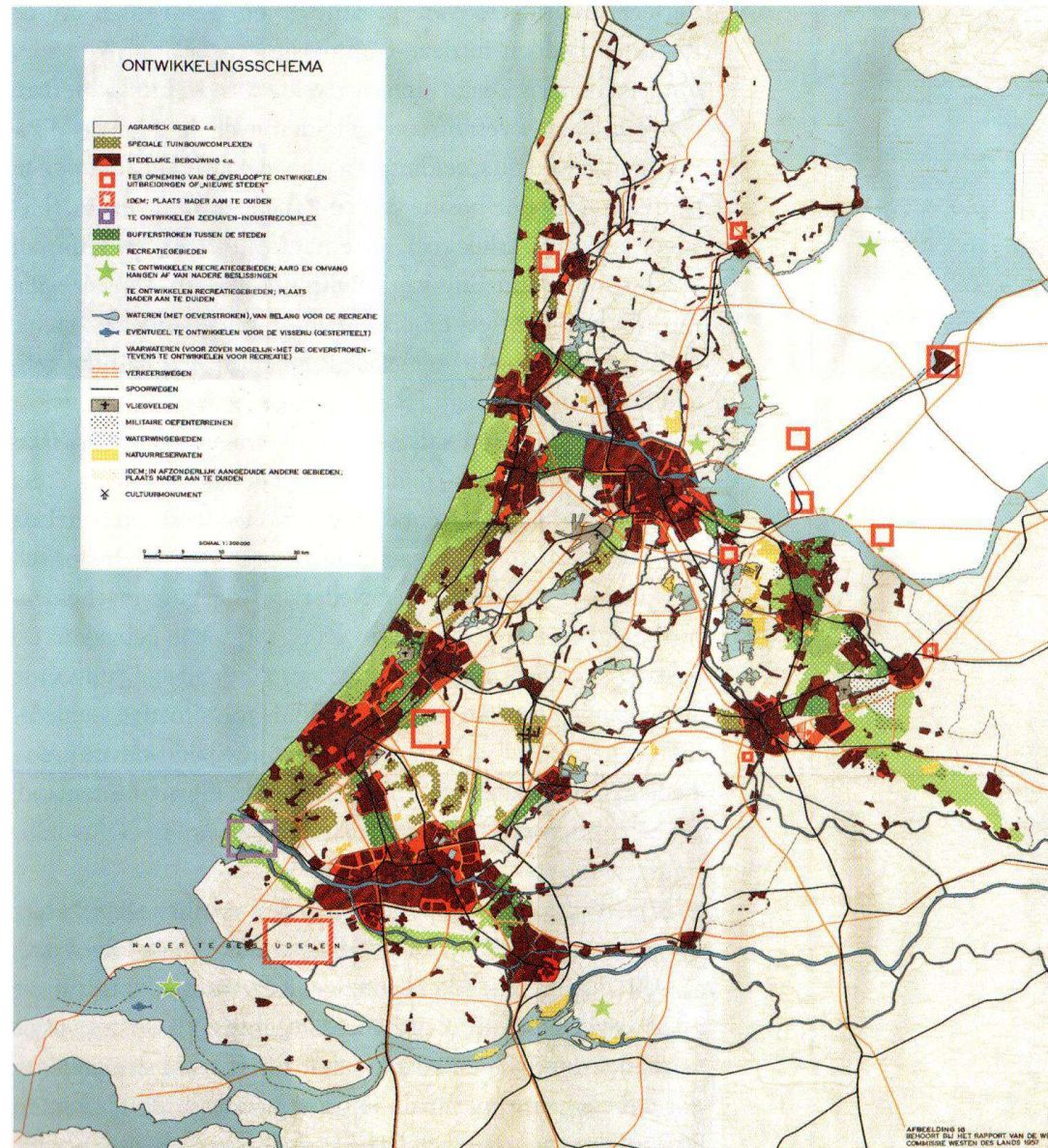


Maps to present a complex strategy in condensed form: the conceptual map



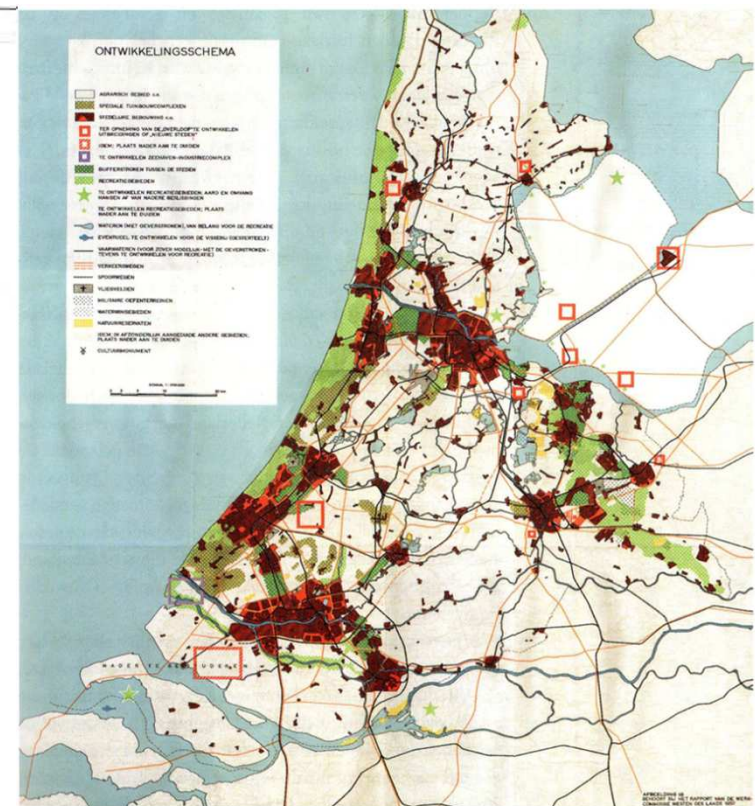
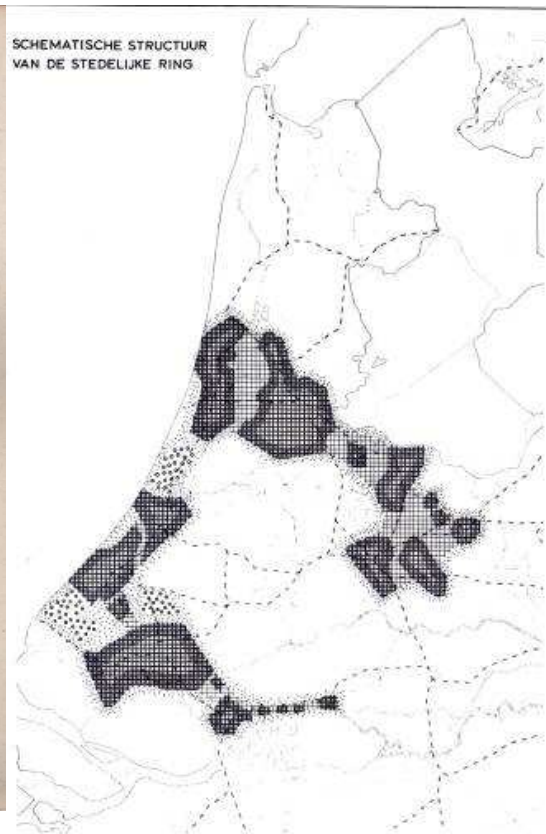


Maps to present a complex strategy: follow up decision-making





## Same plan but three entirely different maps





Maps which indicate a planning principle: The master plan

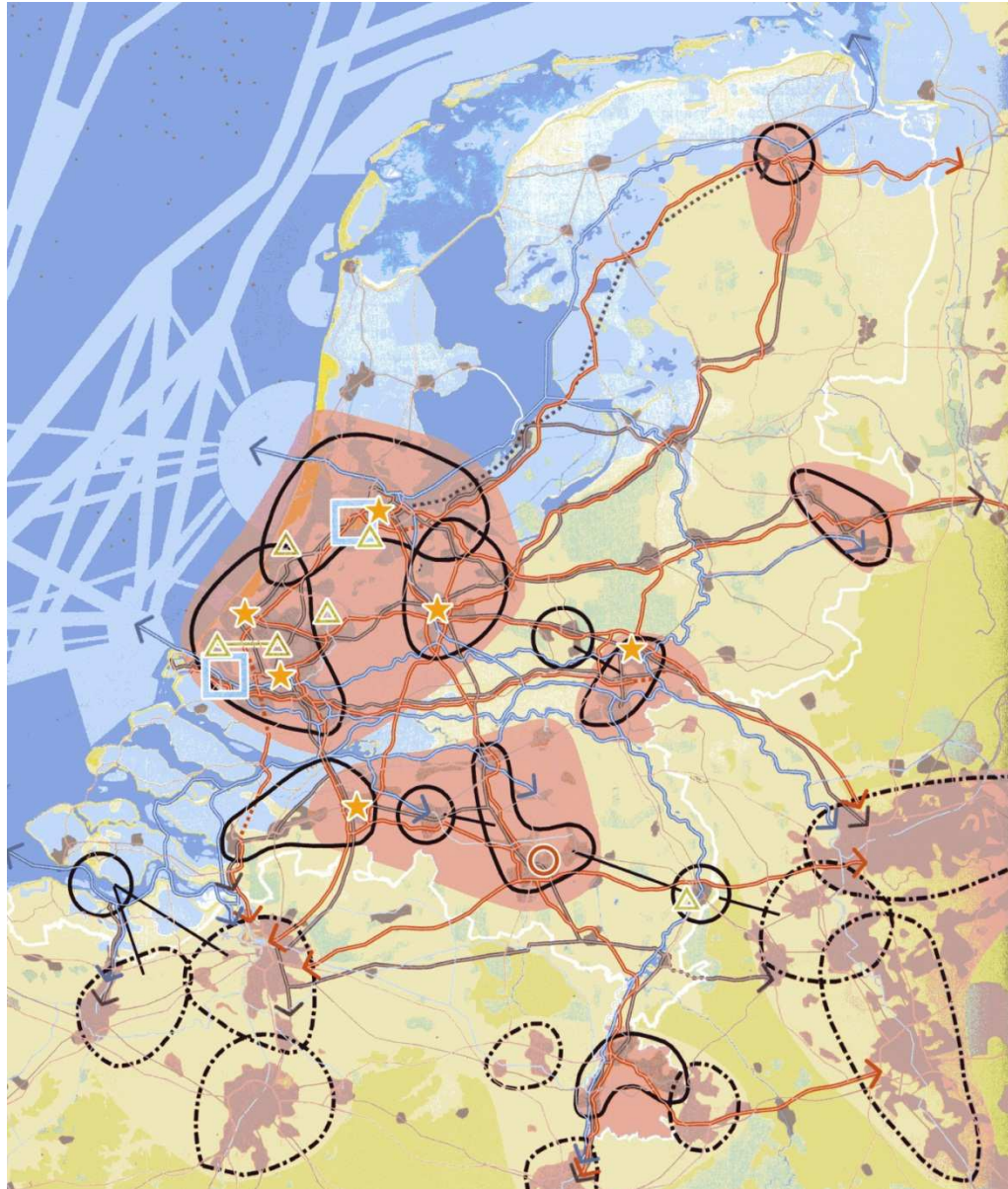


Maps which indicate a planning principle: Metagovernance (visioning)

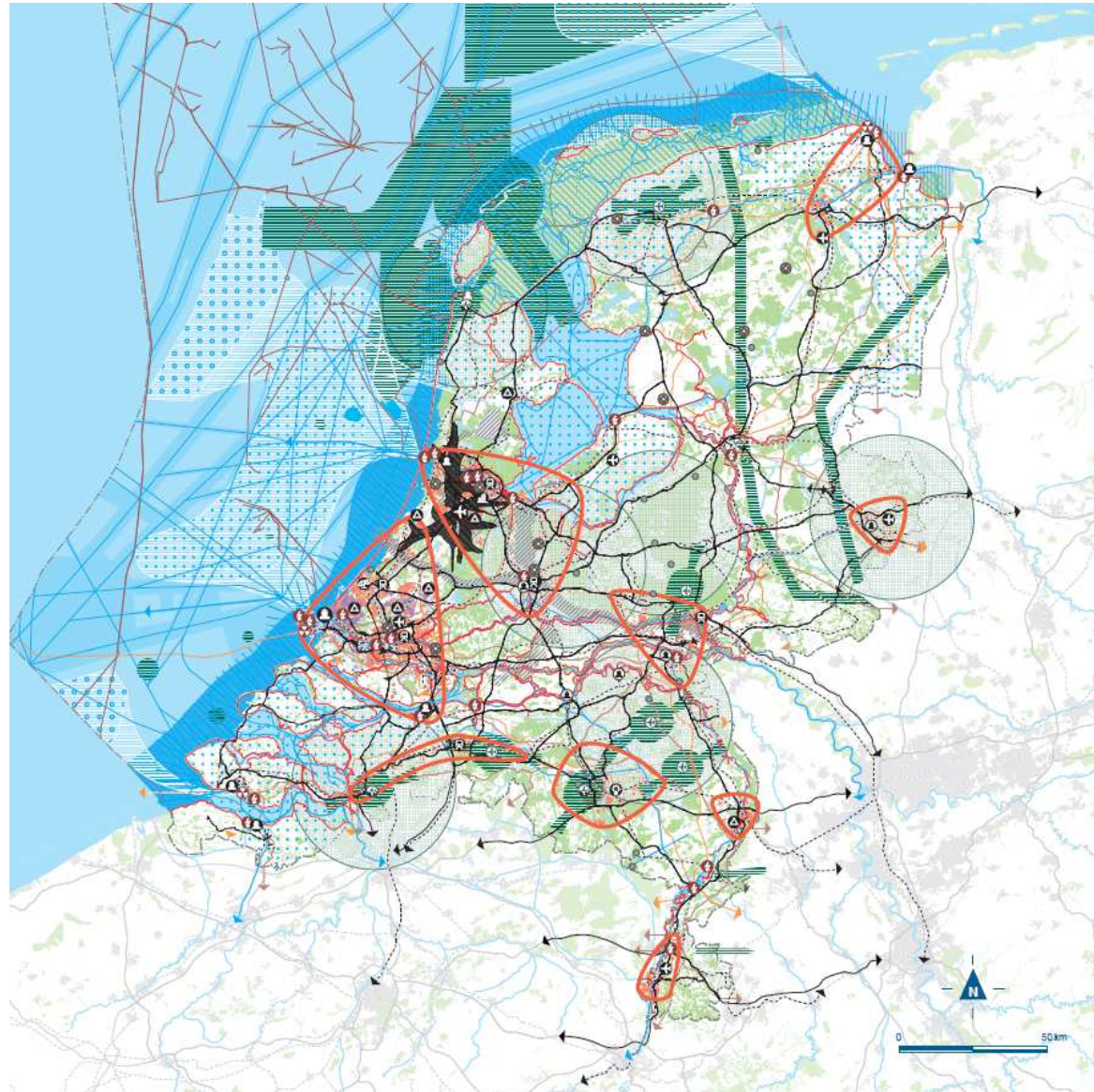




## Maps showing power balance shifts





















## Maps which indicate a planning principle II: Project implementation




























## Competitive

-  Urban region with a concentration of key sectors
-  Mainport Schiphol
-  20 K noise contour
-  Rotterdam Mainport
-  Brainport Southeast Netherlands
-  Greenport
-  Zuidas development
-  International city of peace and justice
-  (Potential) site for power plant, from 500MW
-  (Potential) site for nuclear power plant
-  High-voltage power line, from 220 kV
-  New high-voltage power line (approximate route)
-  Pipeline zone
-  Pipeline
-  Existing offshore wind farm
-  Designated area for offshore wind farm
-  Potential area for offshore-onshore grid link
-  Area with high potential for wind power

## Accessible

-  Railway station for high-speed/international trains
-  Civilian airport of national importance
-  Seaport of national importance
-  Inland port of national importance
-  Potential route for new road on main road network (not yet established)
-  Potential route for new line on main railway network (not yet established)
-  National or international main road network
-  National or international main railway network
-  National or international main waterway network

## Liveable and safe

-  Main water system
-  Management of coastal foundation
-  Primary flood defence
-  Maintain unrestricted view to horizon
-  Cultural heritage site on (tentative) World Heritage list
-  Natural heritage site on World Heritage list
-  Other property or site on (tentative) World Heritage list
-  Revised national ecological network on land
-  Military restricted zone
-  Radar activity
-  Military air base
-  Military air base with civilian use
-  Naval base
-  Major military training area and/or artillery range

## Conclusion

Maps in bewildering variety of forms:

- Evidence based, showing key assumptions

- Diagrams

- Conceptual

- Detailed: masterplan & projectmap

Maps express planning principles:

- Analyse the visual language (colours, symbols, preciseness)

- Analyse the key

- Check the frame and the white areas

Context:

- Contentious?

- Entrenched spatial visions?

- Innovative?



# Conclusion: mapping decisions

Audience:

- Professionals
- Politicians/administrators
- Lay people

What is prime content:

- Morphology
- Spatial position
- Spatial structure

Decisions:

- Frame
- North Direction
- Scale
- Key:
  - Logic structure
  - Number of elements
  - Symbols: dots, lines, planes etc
  - Thickness
  - Colors
  - Zonal maps: fading colours (fuzzy boundaries)
  - Flows: meaning of arrows and lines

