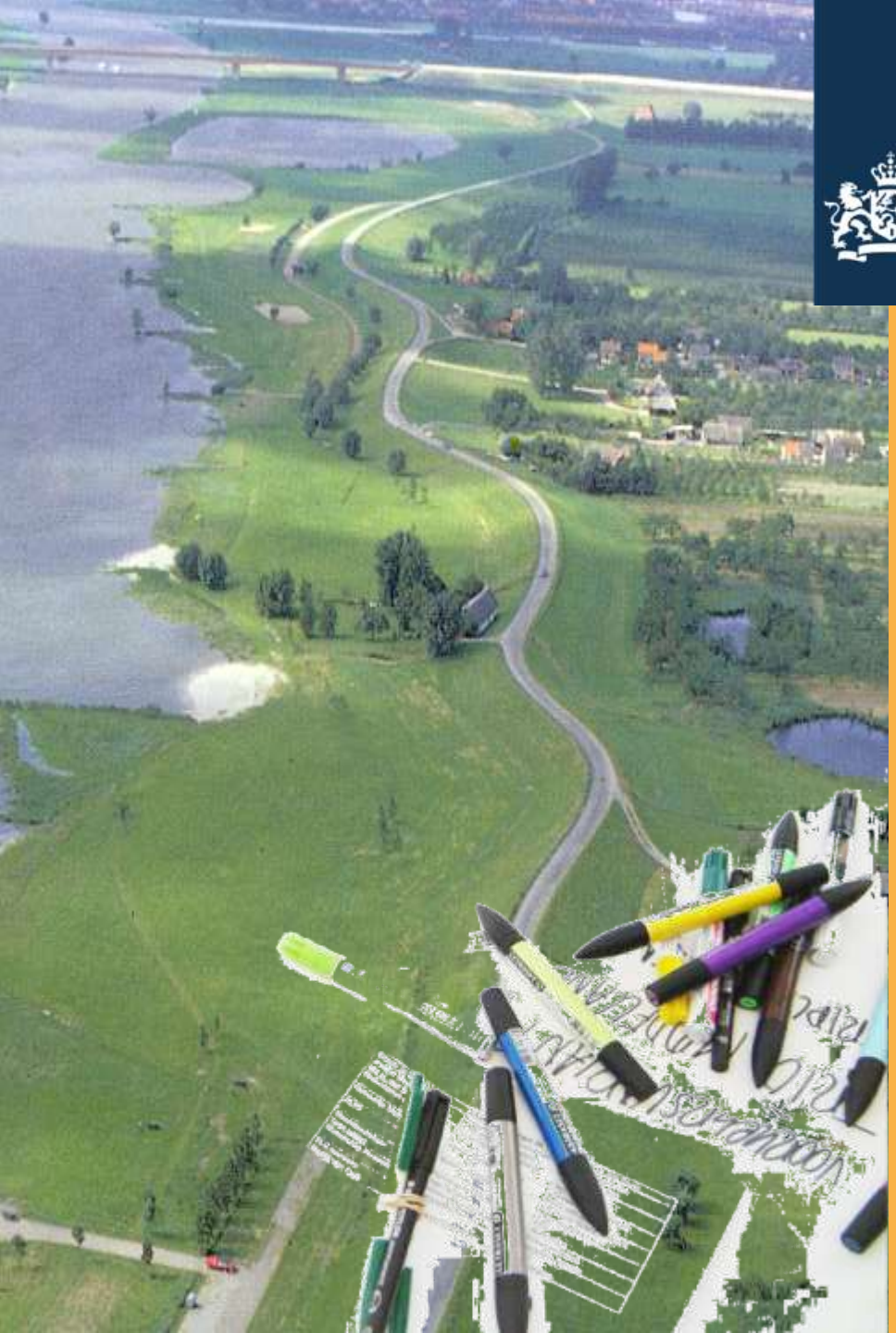


“room for the river”

designing dutch rivers

michaël van buuren

dutch government service for land and water management

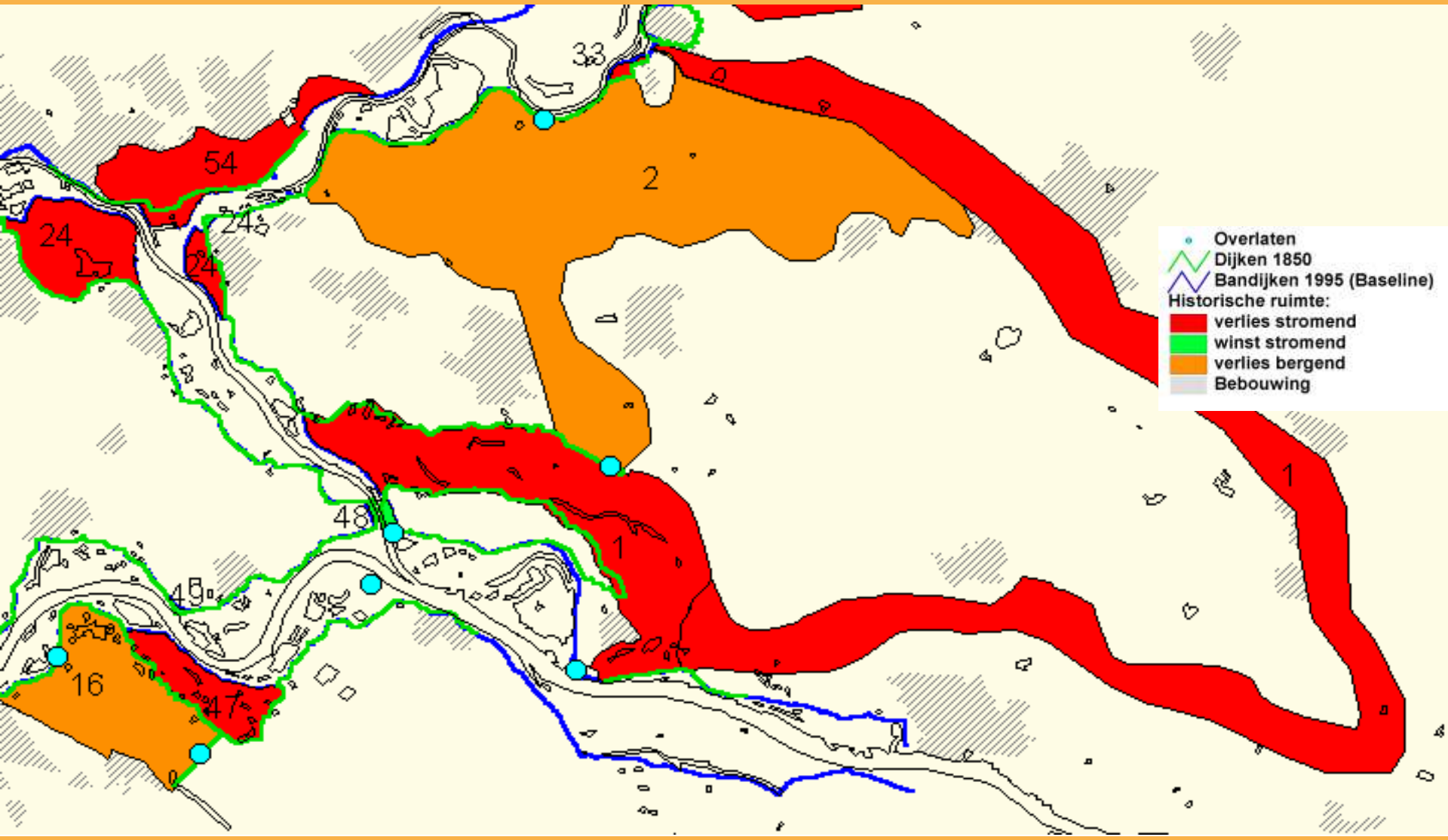
contents

- room for the river
- example
- lessons learned

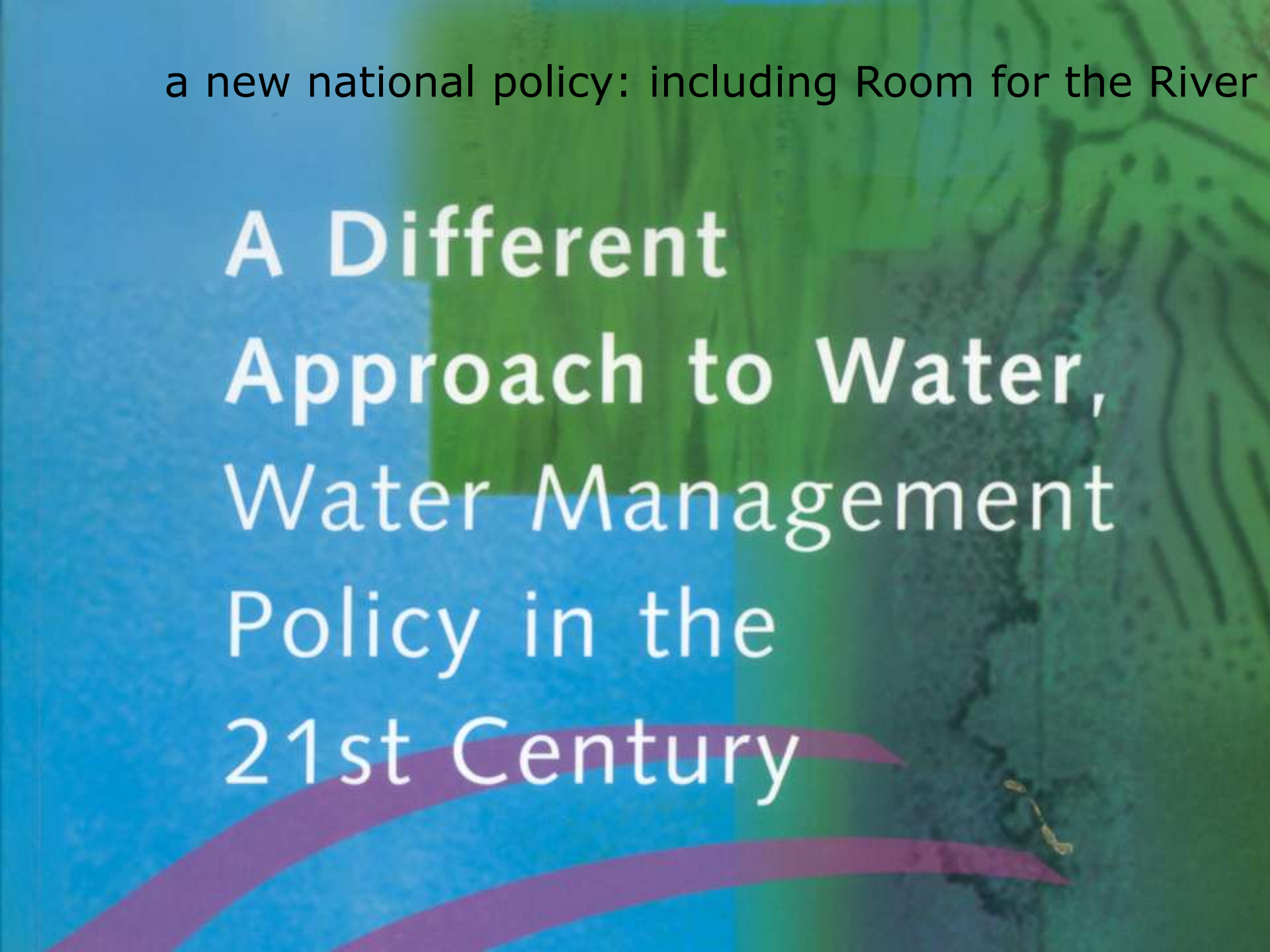
the “room for the river” programme

floods in 1995 and 1997

decrease of riverbed



a new national policy: including Room for the River



“room for the river” programme

39 projects
2 billion euro
realized in 2015

objectives “room for the river”:

- safety
- improving landscape quality

adding up to NURG river restoration programme

room for the river and
River restoration NURG:
around 90 projects

an overview of plans

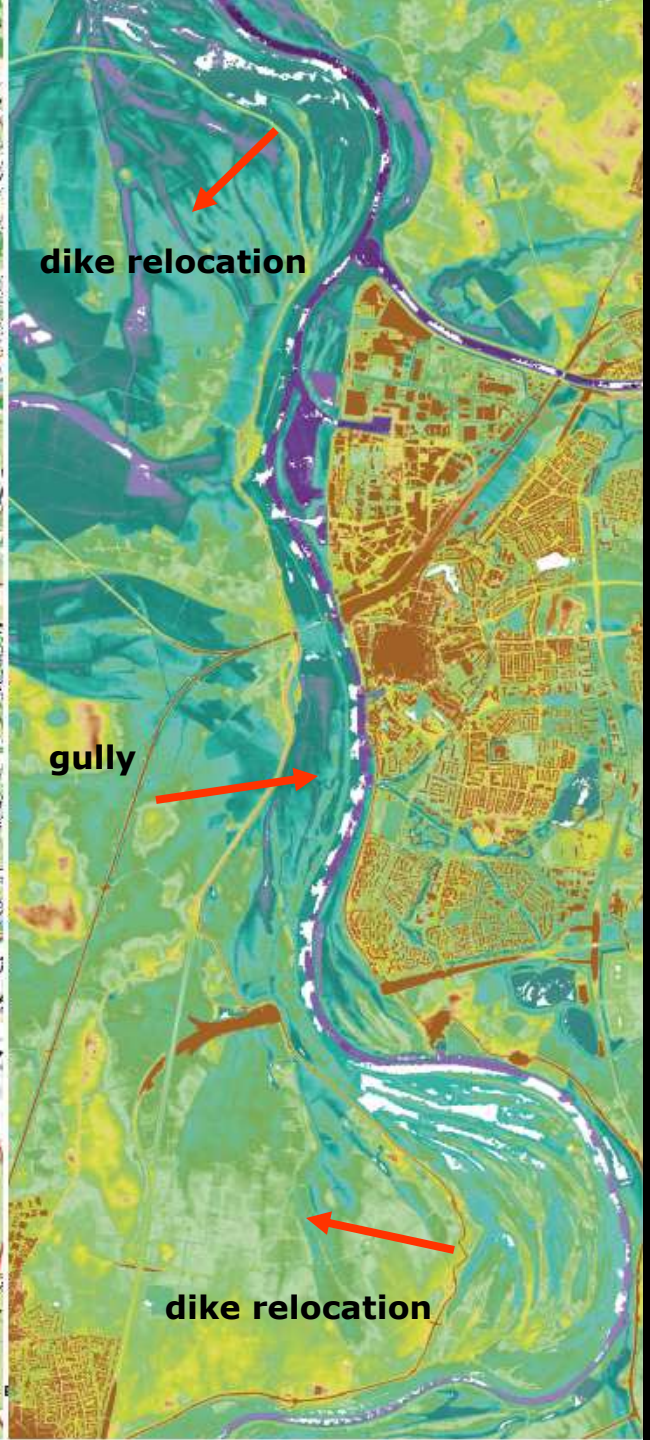
arnhem
doorwerthsche waarden (RftR)
meinerswijk (RftR)
hondsbroeksche pleij
(completed;NURG)
huissensche waarden (RftR)
bemmelse waard
(under construction;NURG)
klompenwaard
(completed; NURG)
rijnwaardse uiterwaarden (NURG)
De Nieuwe Kaart van het
Rivierengebied 1.0
veur-lent (RftR)
millingerwaard
(RftR & NURG)

example room for the river

‘bottle neck’ on the IJssel river
Zutphen

bottle neck

gemaal Middelbeek
Middelbeek
RAMMELWAARD
Het Pannenhuis
Sinderen
Wolfswaard
VOORSTERKLEI
Schnaauwert
Wellenstein
Wellenberg
Heekool
steenfabrieksterrein
DE HOVEN
ZUTPHEN
TICHELBEEKSWAARD
gemaal Colentrander
Hoog Helbergen
Laag Helbergen
Halve Maat
Reuversweerd
't Ganzenel
Piepenbelt
Kelbergen
CORTENOEVER
REUVENSWAARD
BRUMMEN
RWZI


dike relocation
gully
dike relocation

communication with inhabitants and other stakeholders

workshops

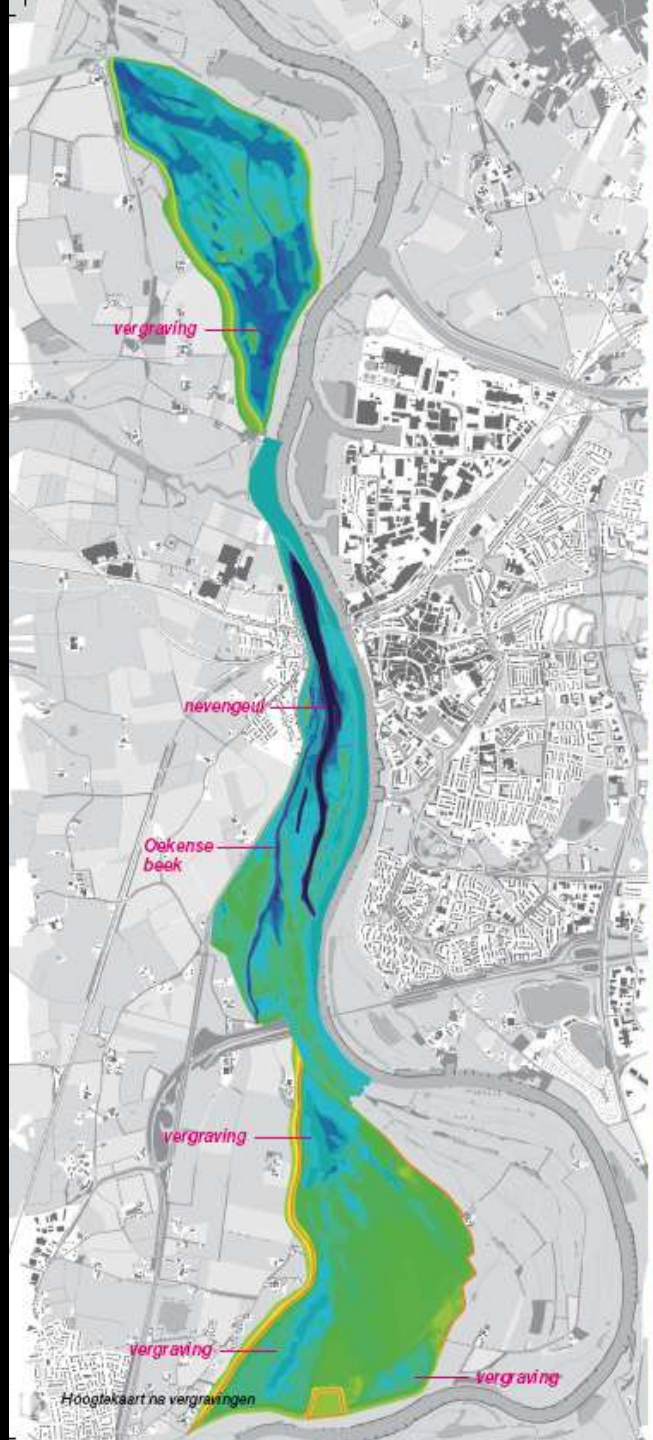
> suggestions and improvements for the plans

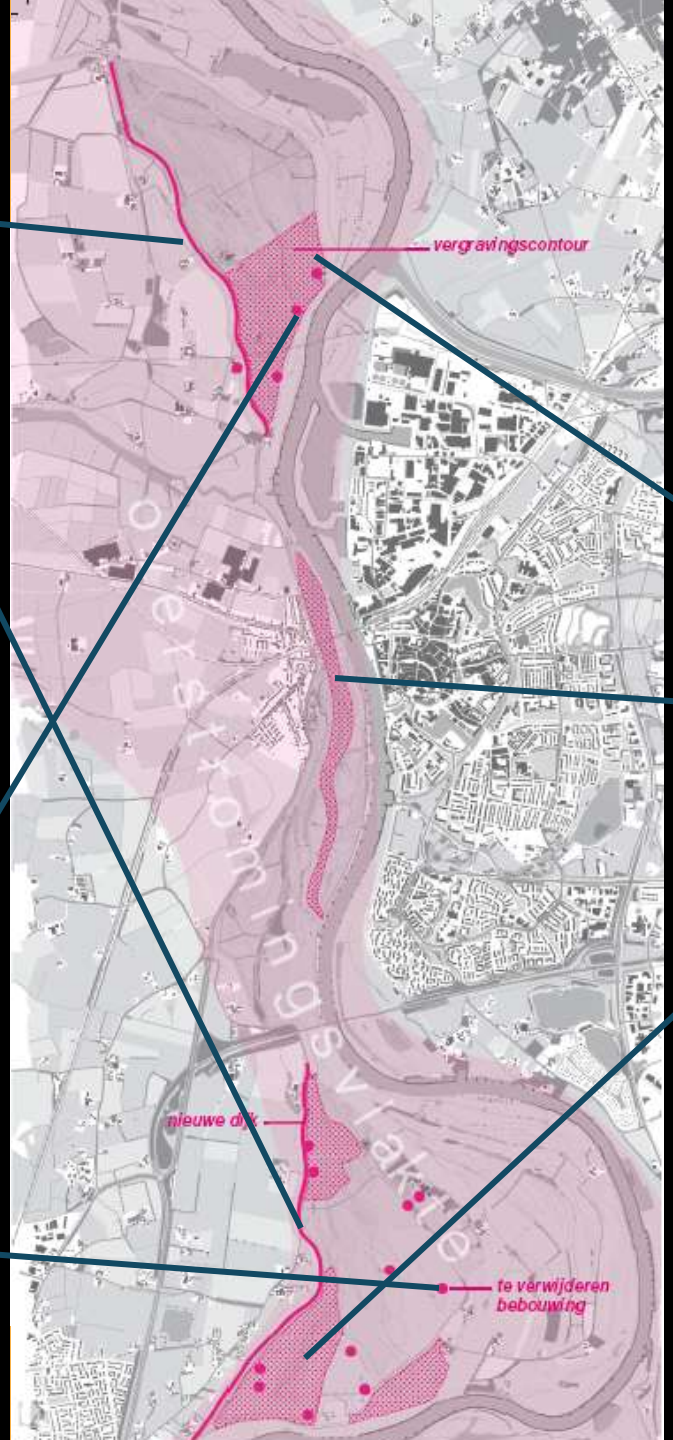
> suggestions disapproved

dike relocation

gully

dike relocation





building a new dike

digging

removing houses

before

after

lessons learned

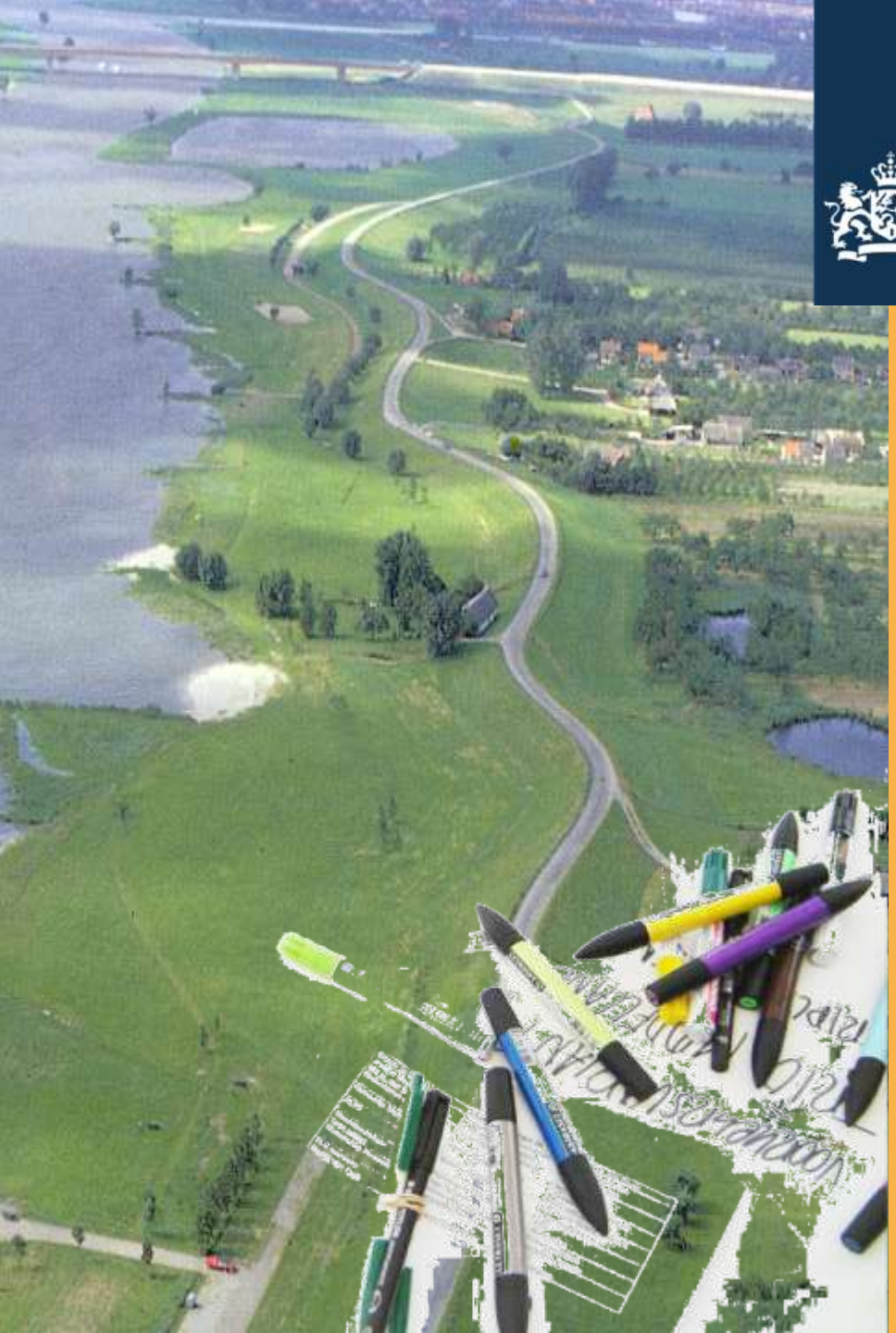
top-down and bottom-up: “sketch and match”

design and compute: cooperation of planners and scientists

&

quality management: crtitical review of the planning proces during realization

the Q-team



“room for the river”

designing dutch rivers

thank you for your attention