

# PLAN B NL 2200

LOLA Landscape architects

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Welcome to The Great Acceleration

# The anthropocene is here

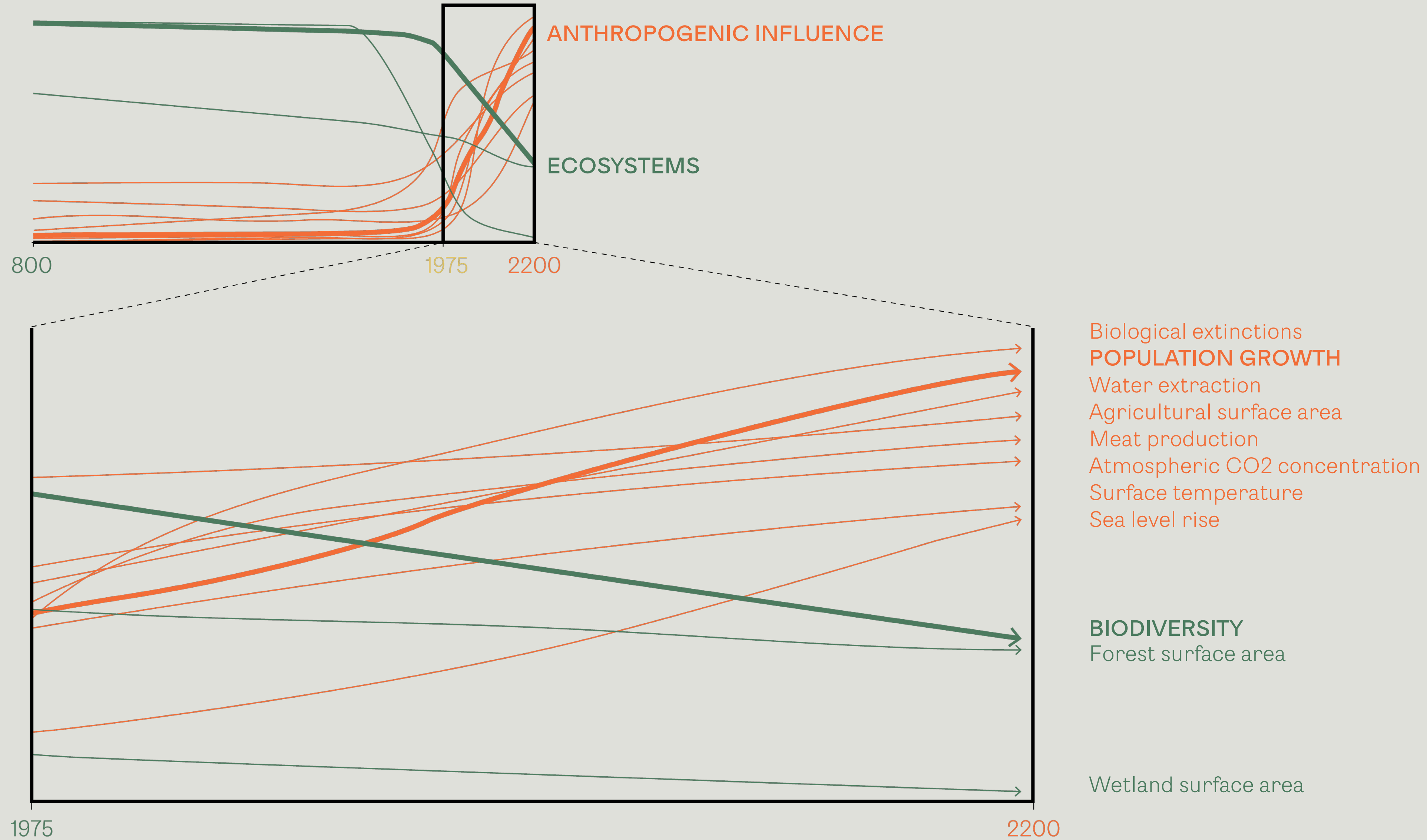


Source: edward burtynsky

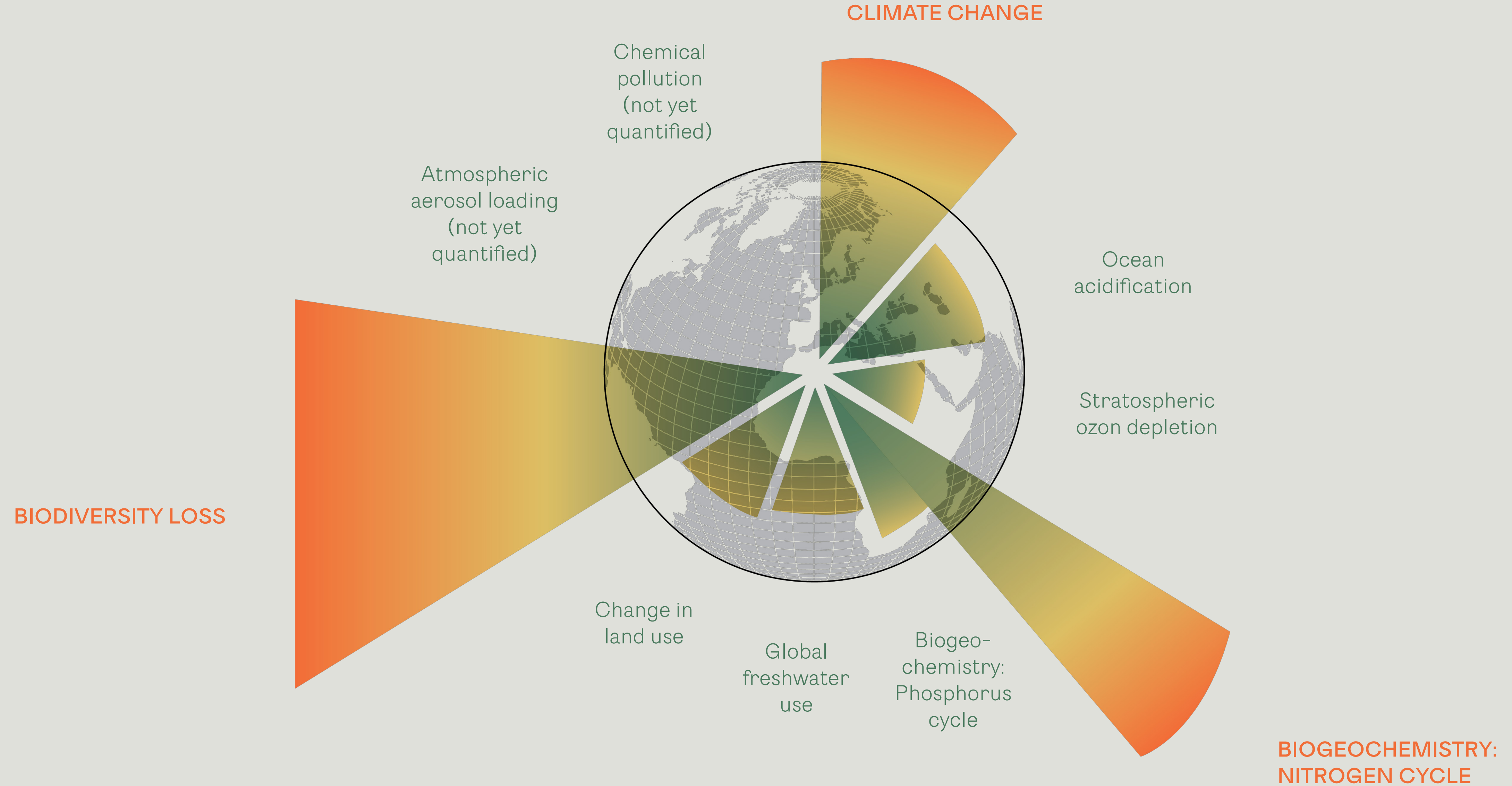


Source: edward burtynsky

# Human impact on the earth's systems has accelerated.

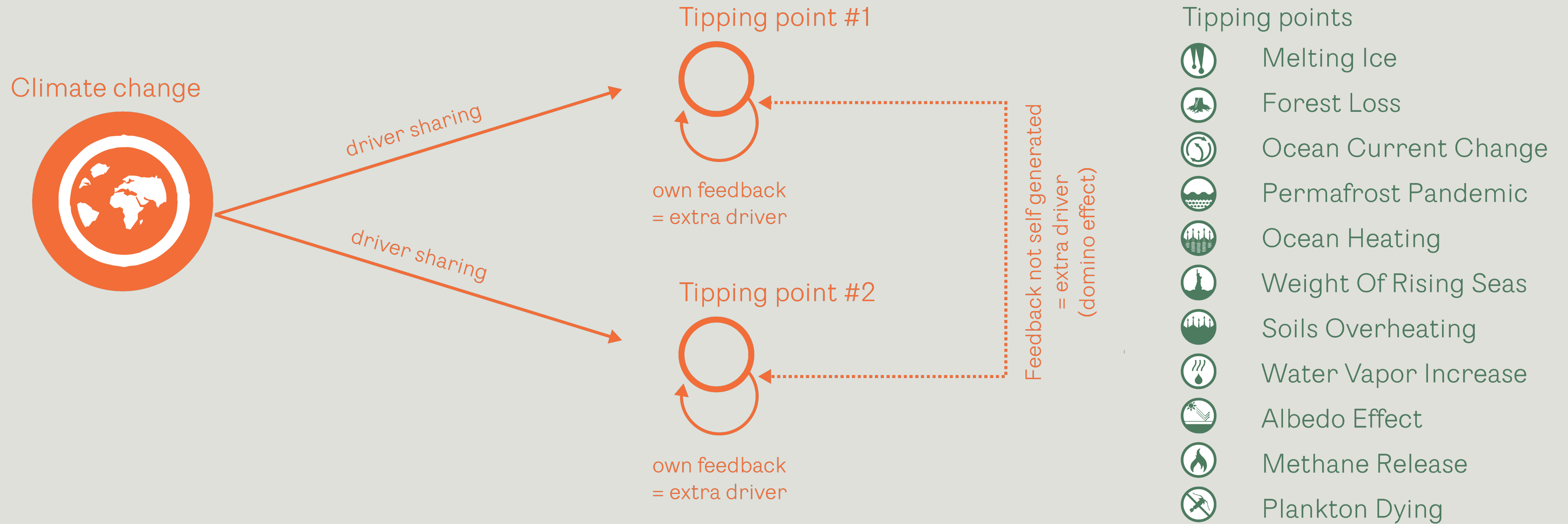


# We are crossing planetary boundaries of our earth systems

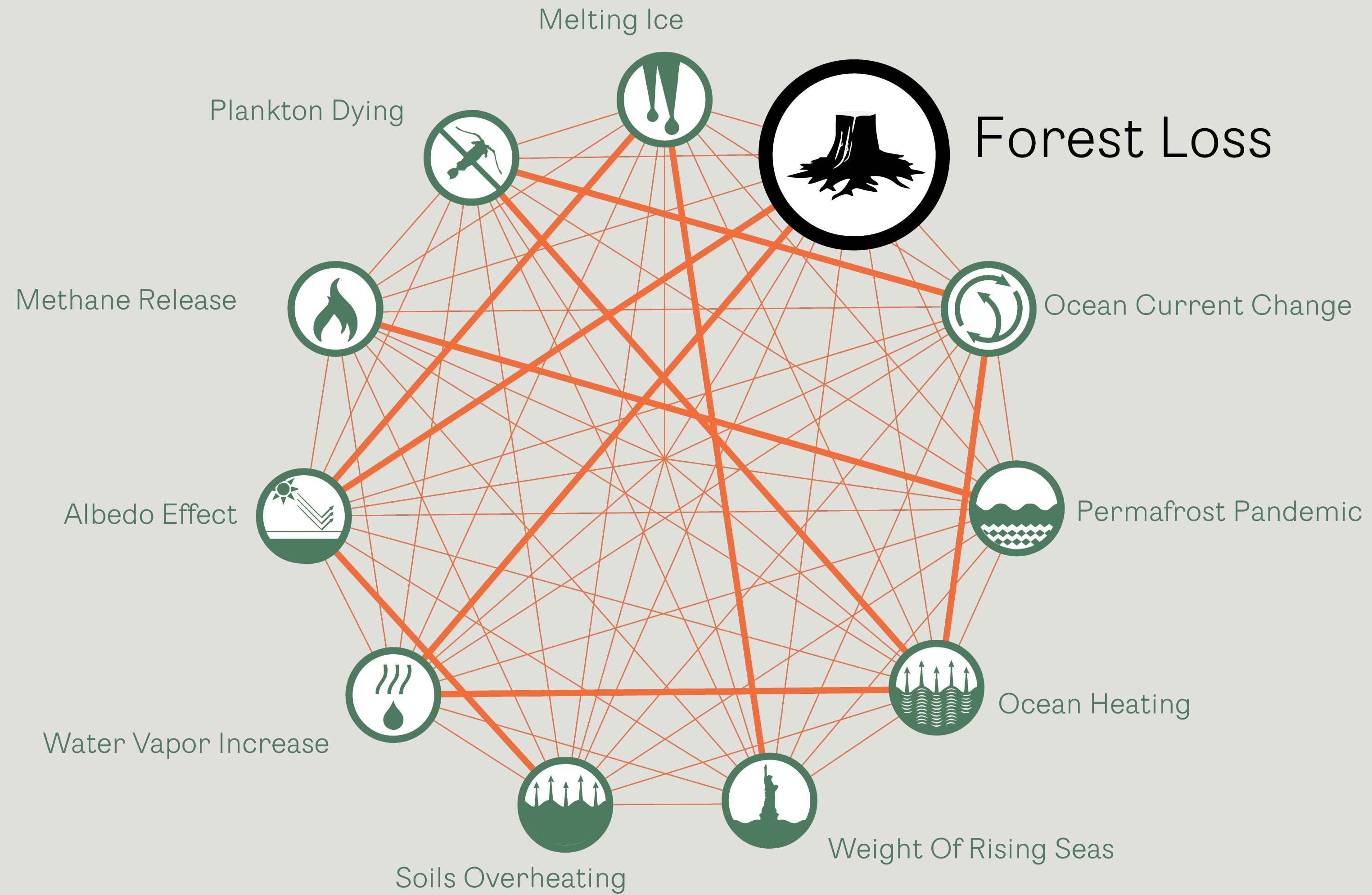


data source: stockholmresilience

There are tipping points pushing earth's systems towards irreversible changes.

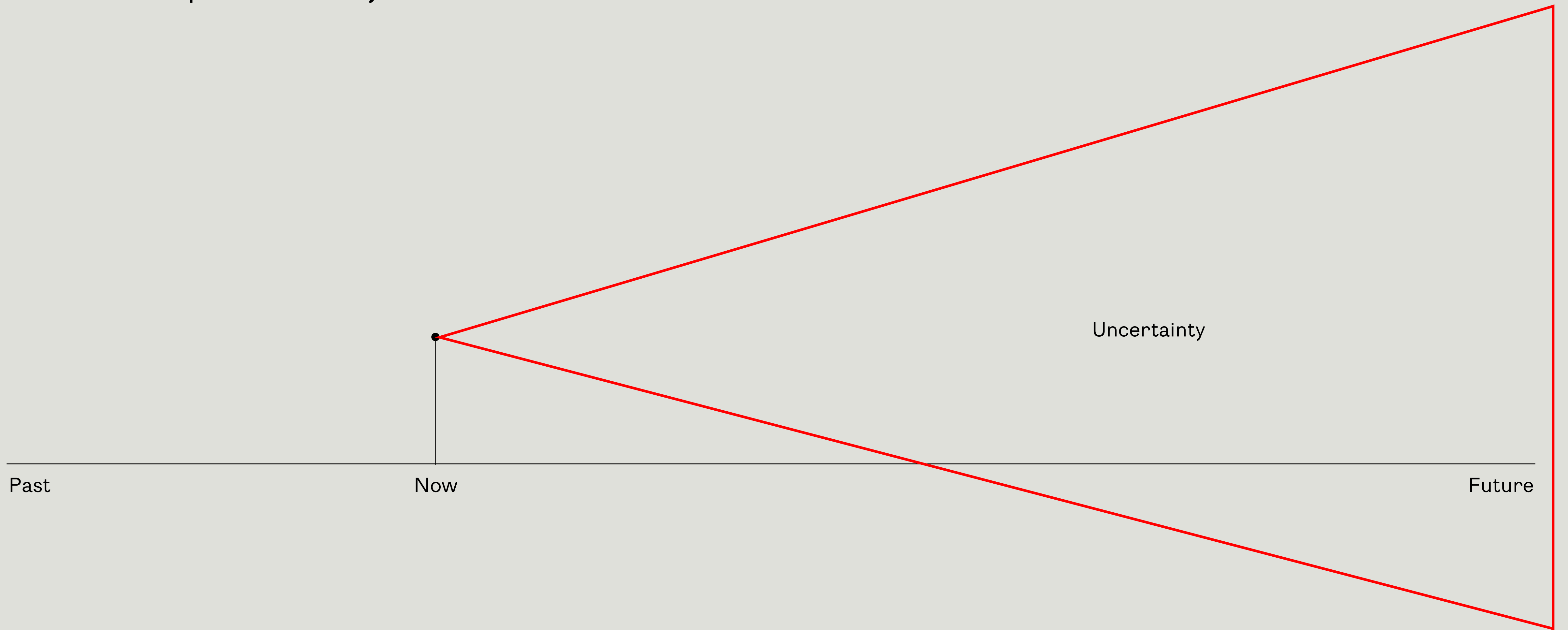


Multiple tipping points reinforce each other with domino effects and cascades.



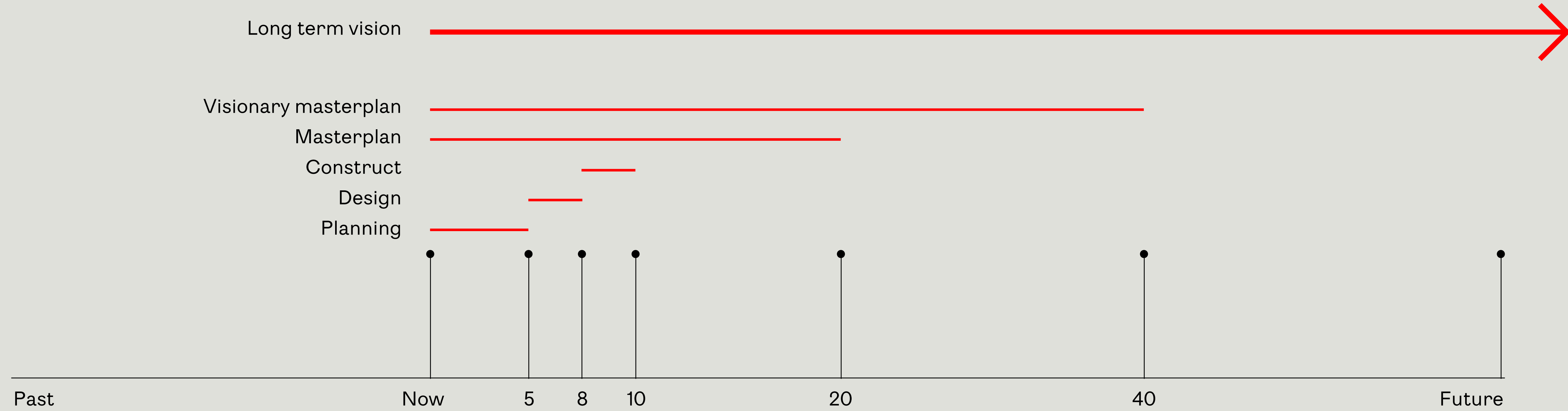
data source: Job One for Humanity

# We're in Deep Uncertainty

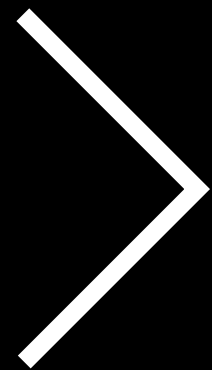




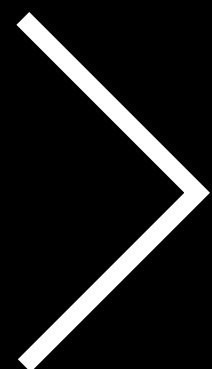
# We need to plan further ahead



What to do?



Plan A



Plan B

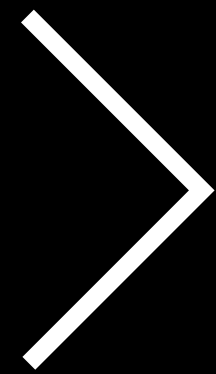
PLAN A

We manage to control the climate change

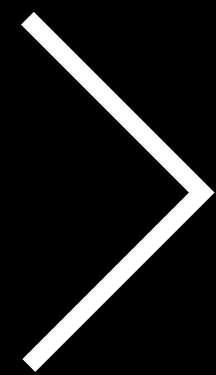


Wat als het klimaatakkoord werkt?

# PLAN A is

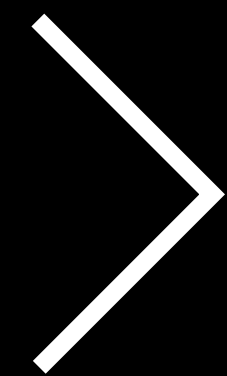


To make sure The Paris Climate  
Agreement succeeds

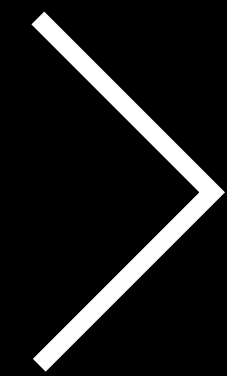


To do everything possible to avoid  
triggers of climate change

# Redevelop the urban domain



Build the circular economy



Establish a thriving urban ecology

# Nature Inclusive Cities

on our way to happy habitats

But...

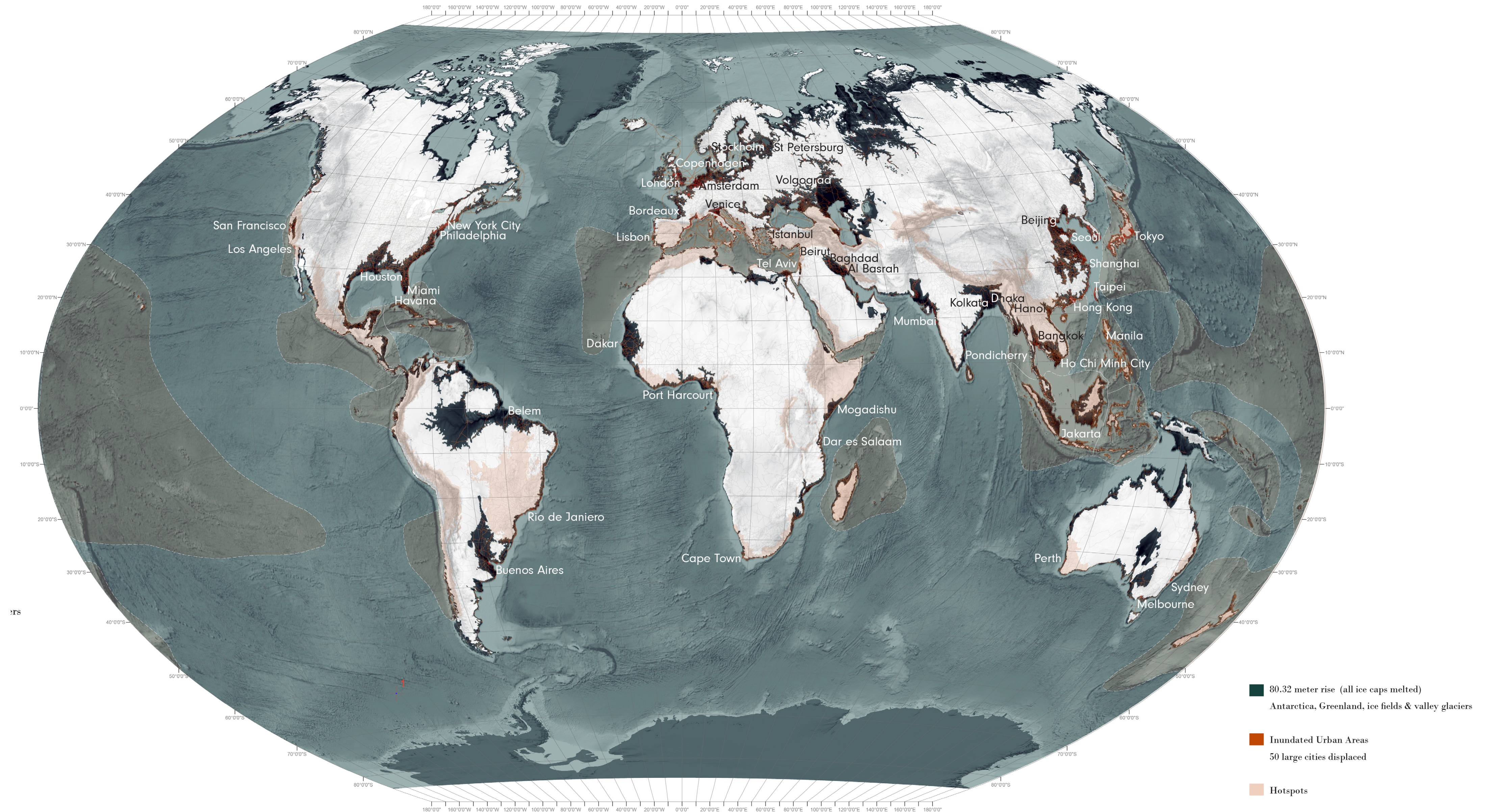


## What if the Climate Agreement doesn't work?



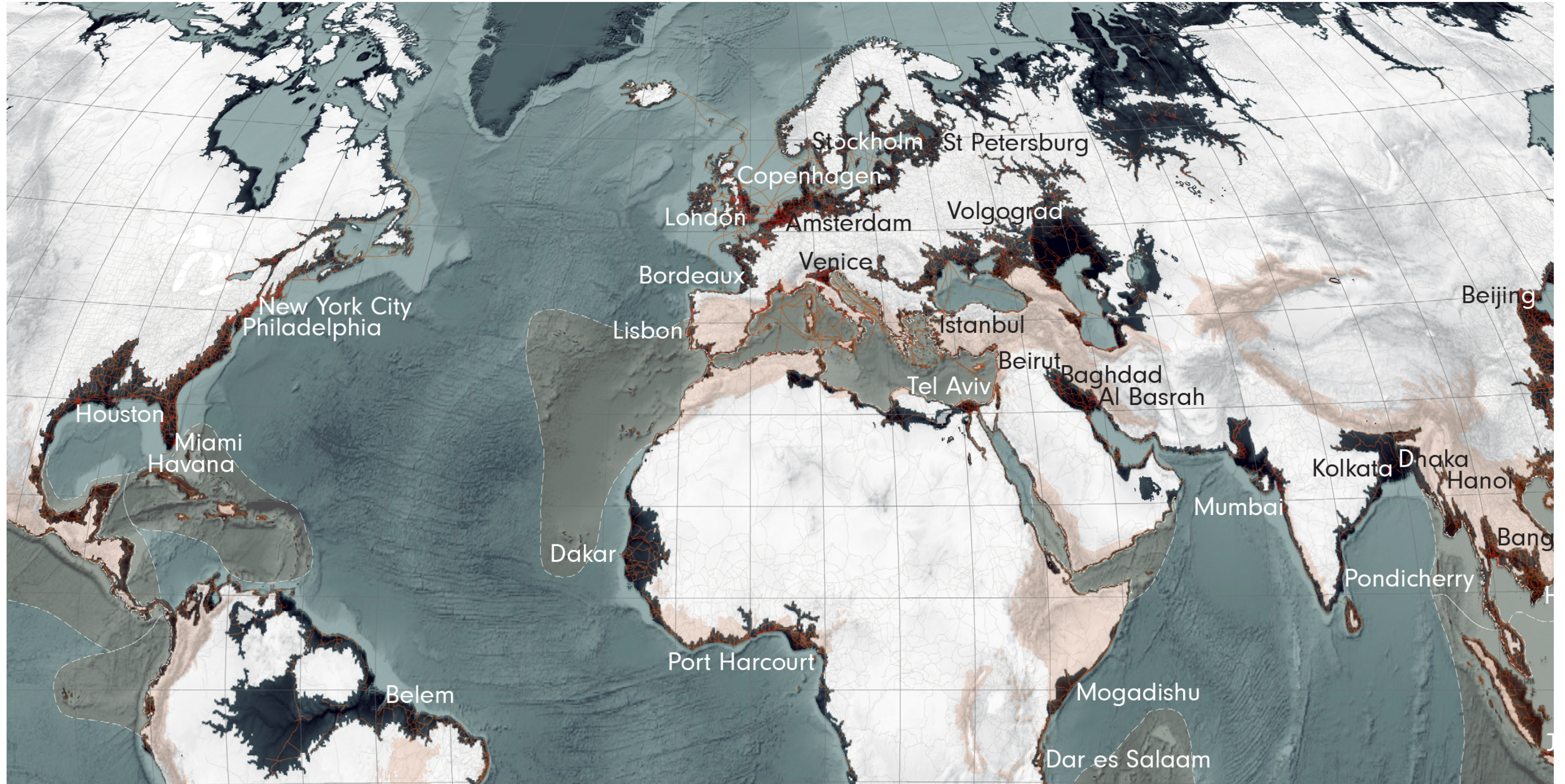
De Verenigde Staten trekken zich terug uit het klimaatakkoord van Parijs. Dat heeft president Trump bekendgemaakt tijdens een persconferentie in de tuin van het Witte Huis.

# Complete meltdown of icecaps and glaciers



Piek van het interglaciaal Holoceen: alle ijskappen zijn versmolten tot nieuwe kustlijnen en binnenzeeën, van Nederland blijft niet veel meer over

The sea might rise +3 m by 2085 and +6 m by 2200!

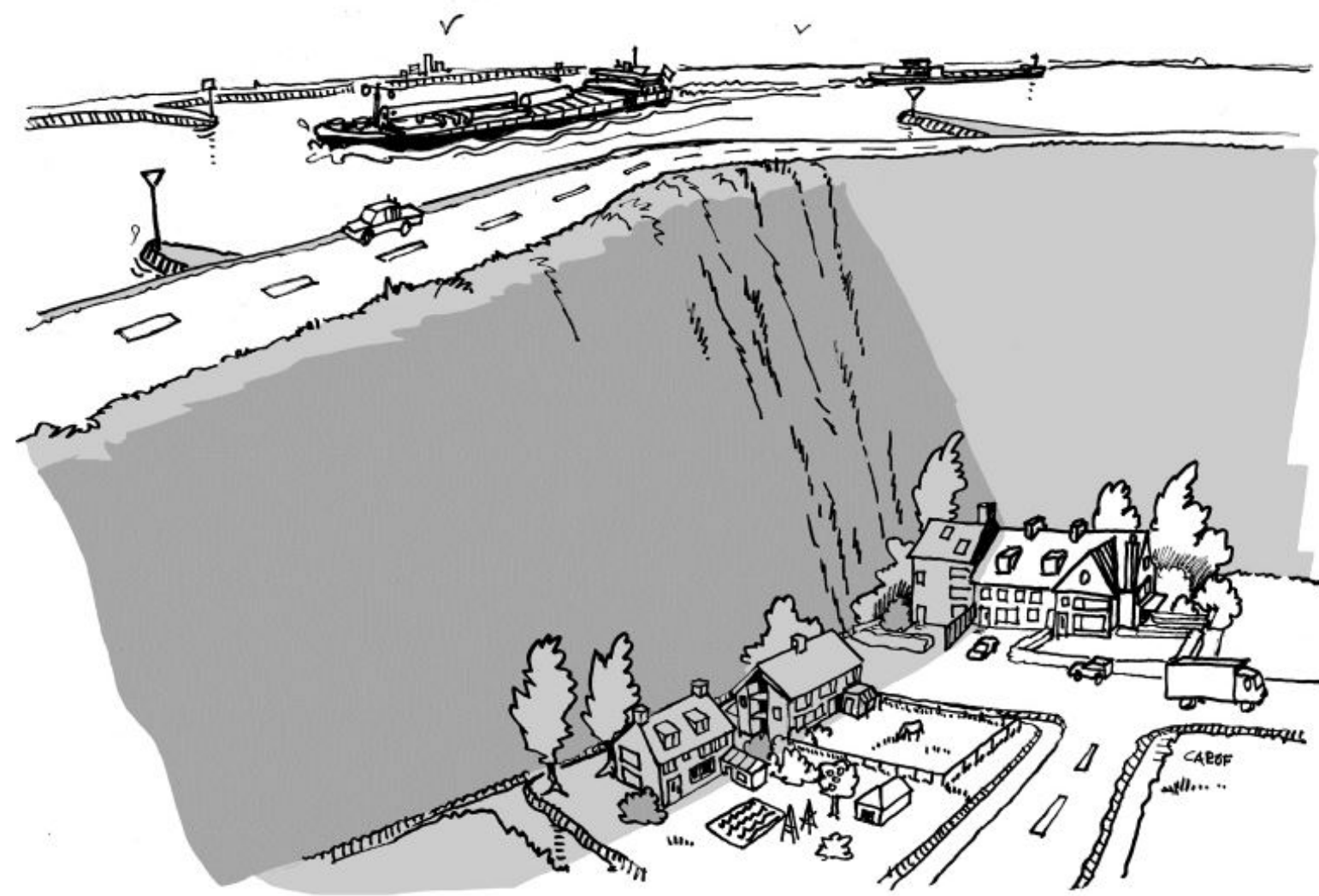


De problematische zeepiegel hoogte van >2m bereiken we al in 2085

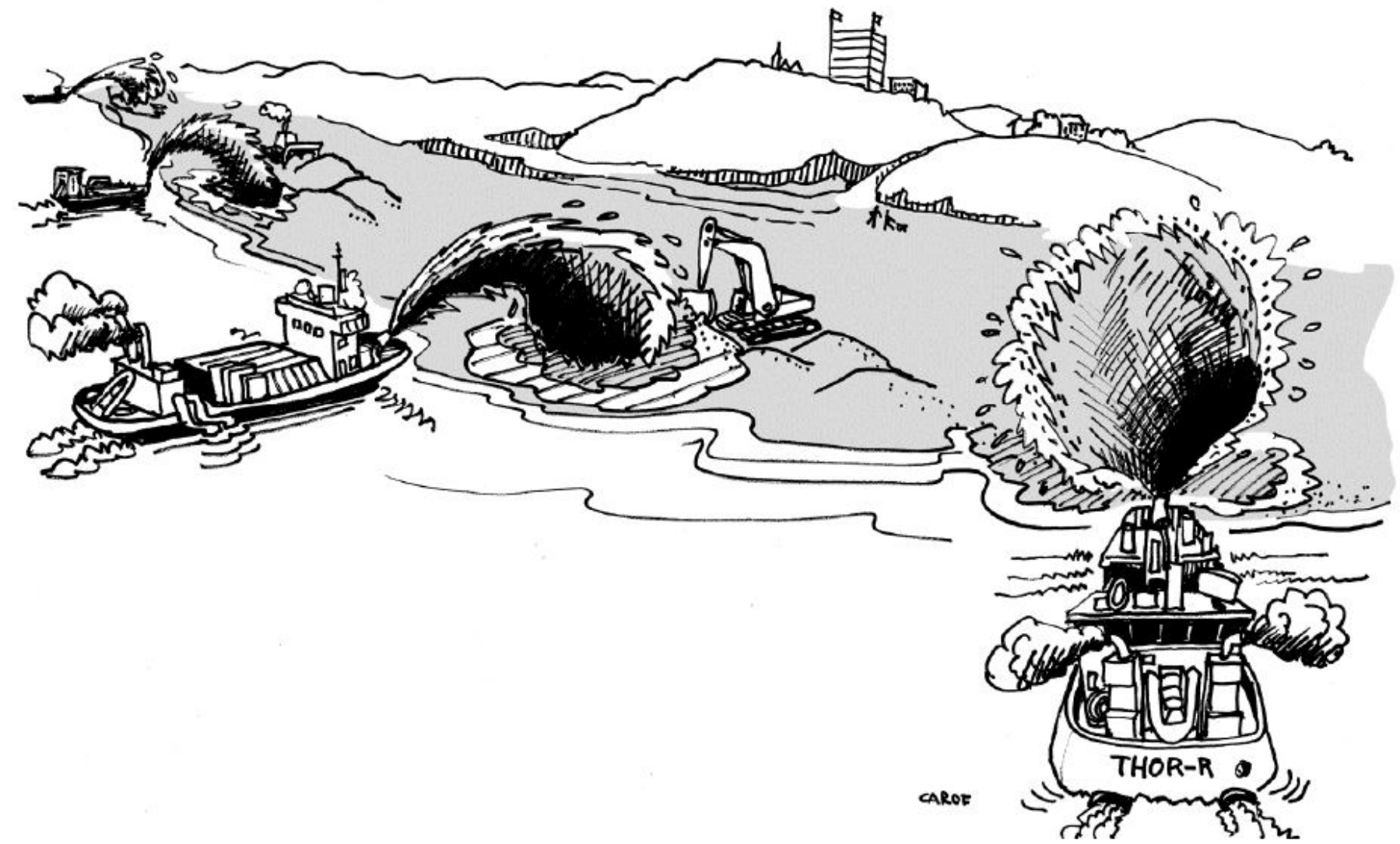
... It would be a Dutch Dystopia

# The limitations of polders

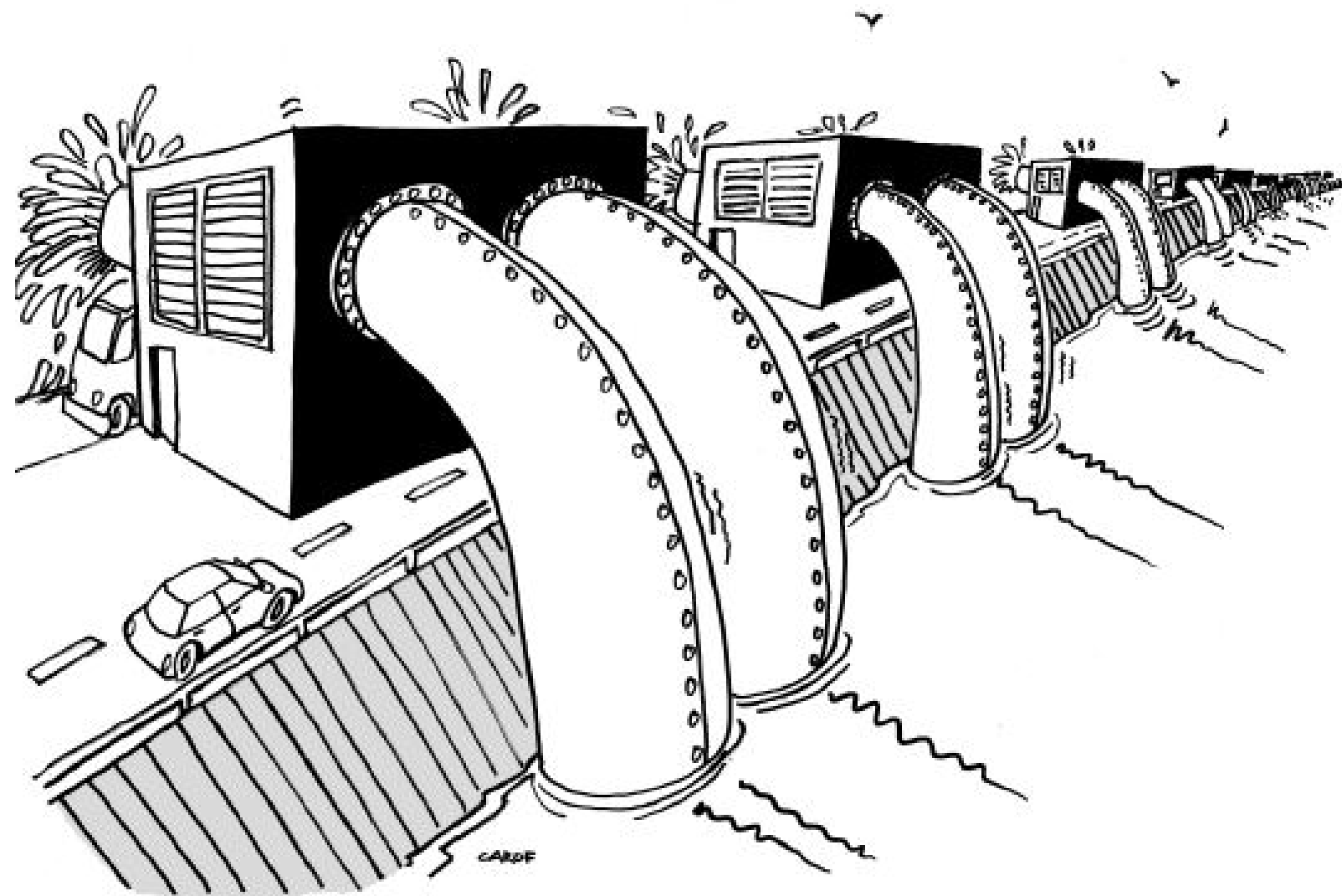
Bron: Deltares



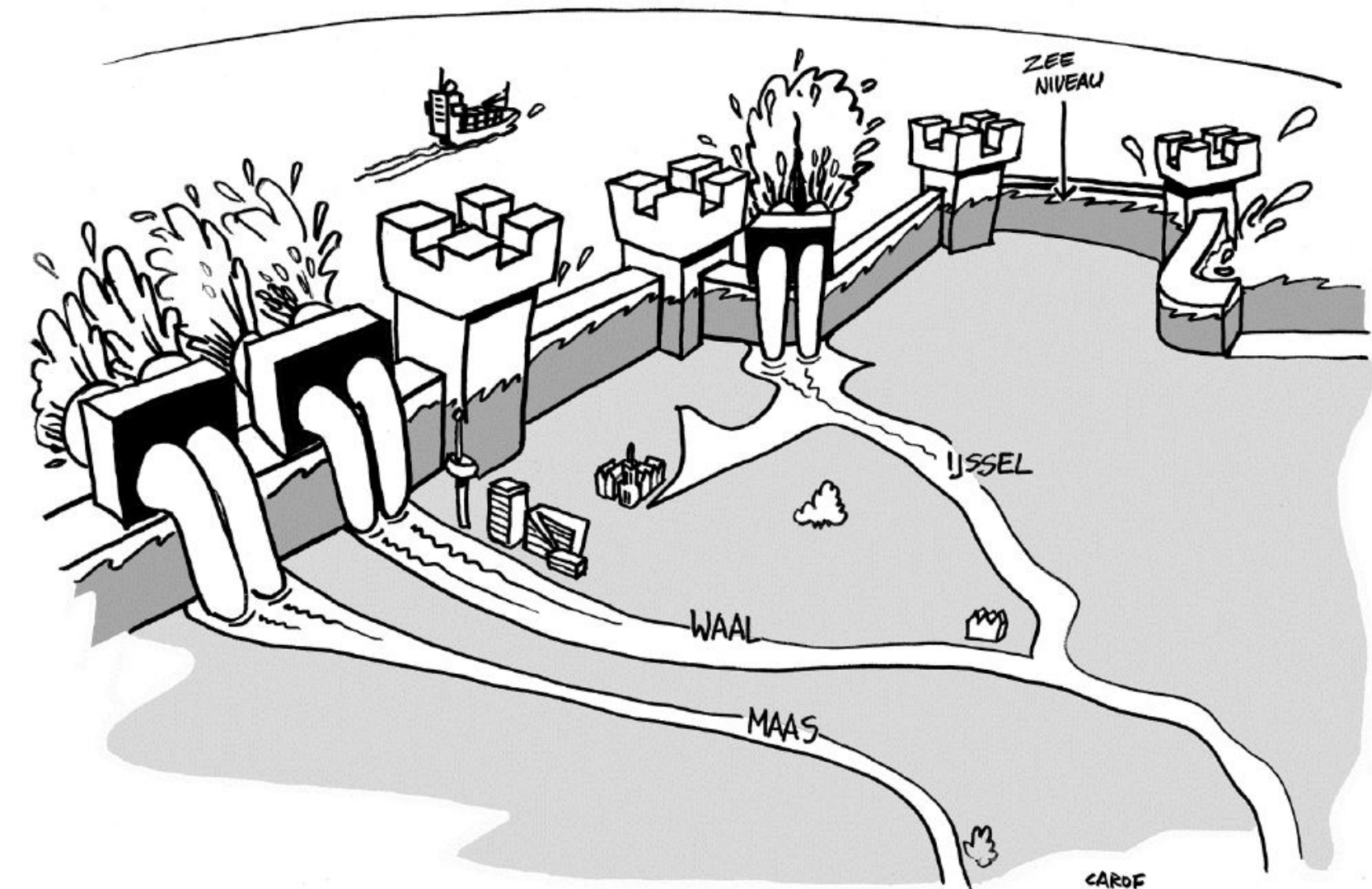
Monster dikes devour cities



The hunger for sand is endless, but the amount of sand is limited



Gigantic masses of water need to be pumped

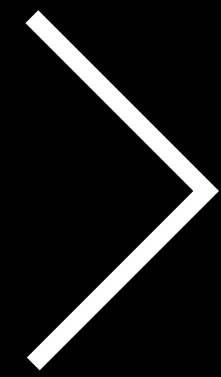


Closed dams will lock off the harbours

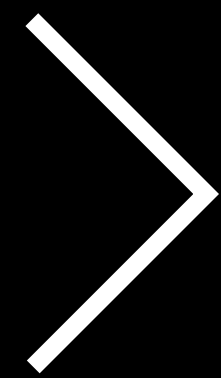
There is no Plan B



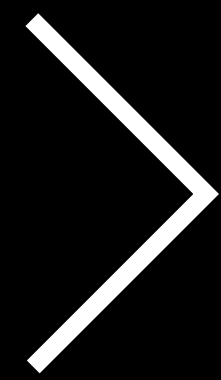
Our future generation is worried: there is no future? But they are engaged and activistic



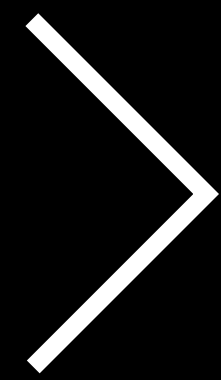
So far all we hear  
are doom stories



The media might be causing  
a world wide eco-anxiety



We refuse to stand aside, wait  
and do nothing



We believe we should explore  
new options and positive futures



PLAN B

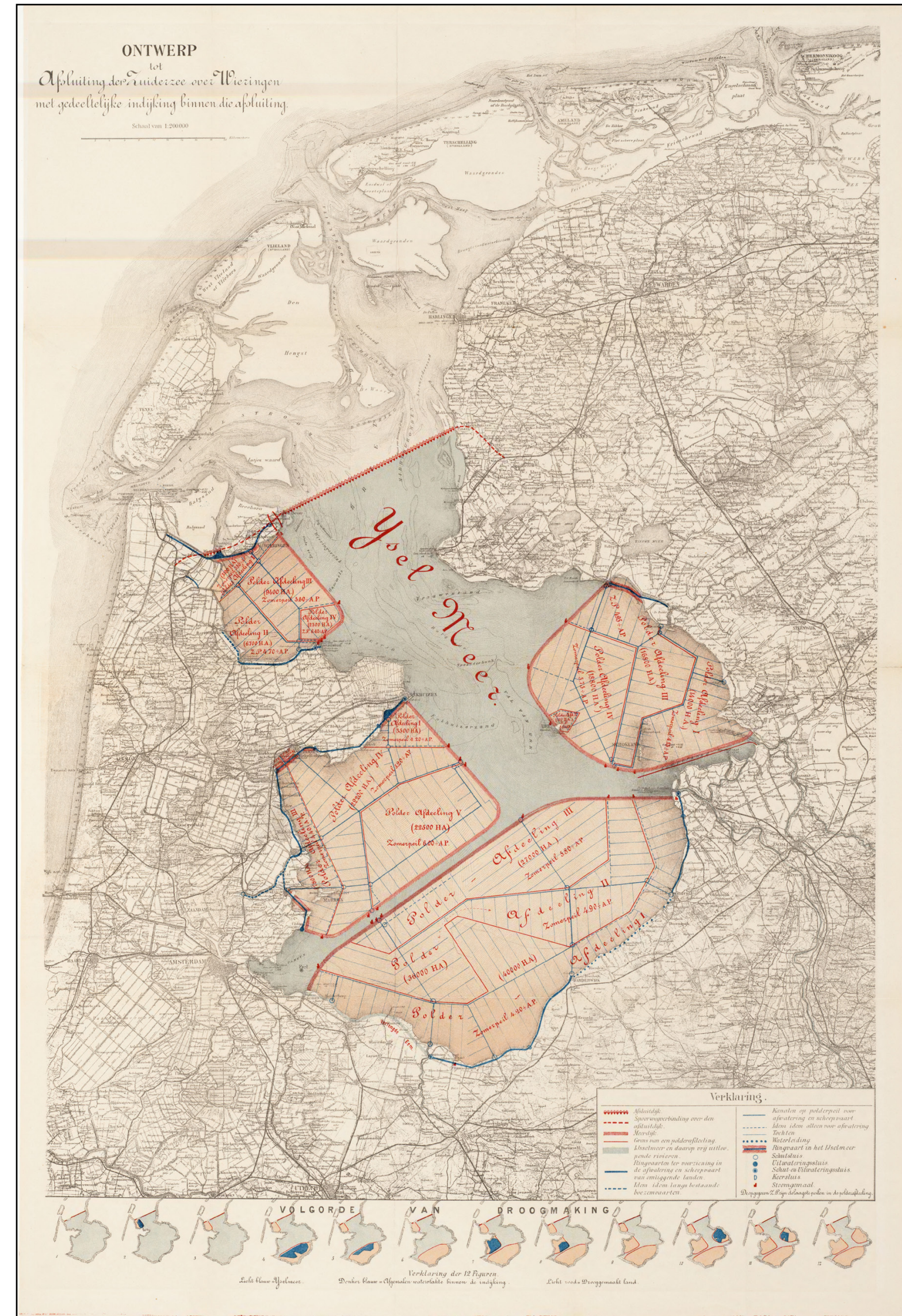
# Goal: no disasters, no climate refugees

No disasters and climate refugees in 2085

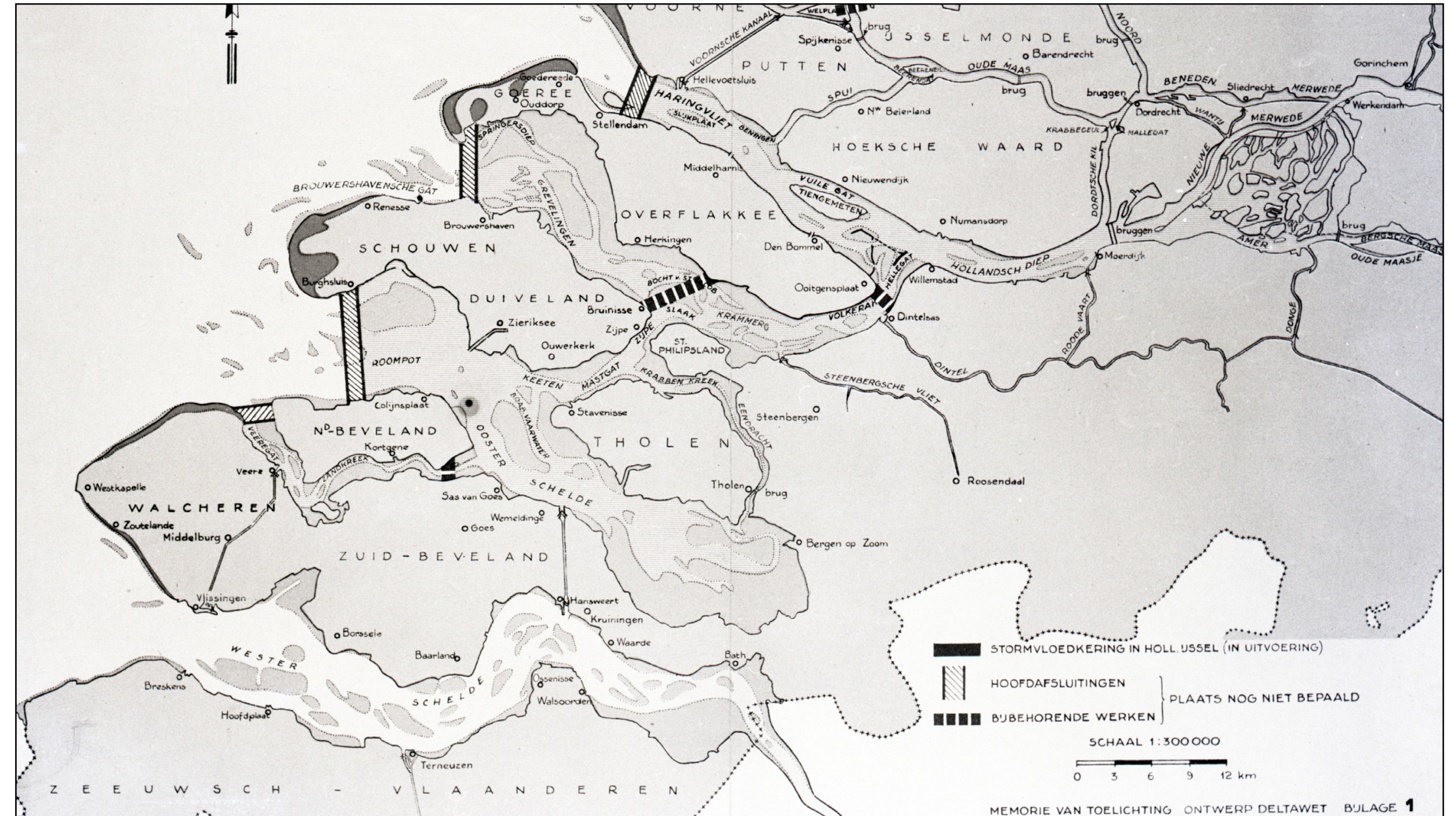


Strategic planning  
+ design

# There used to be a strong Dutch Planning Tradition



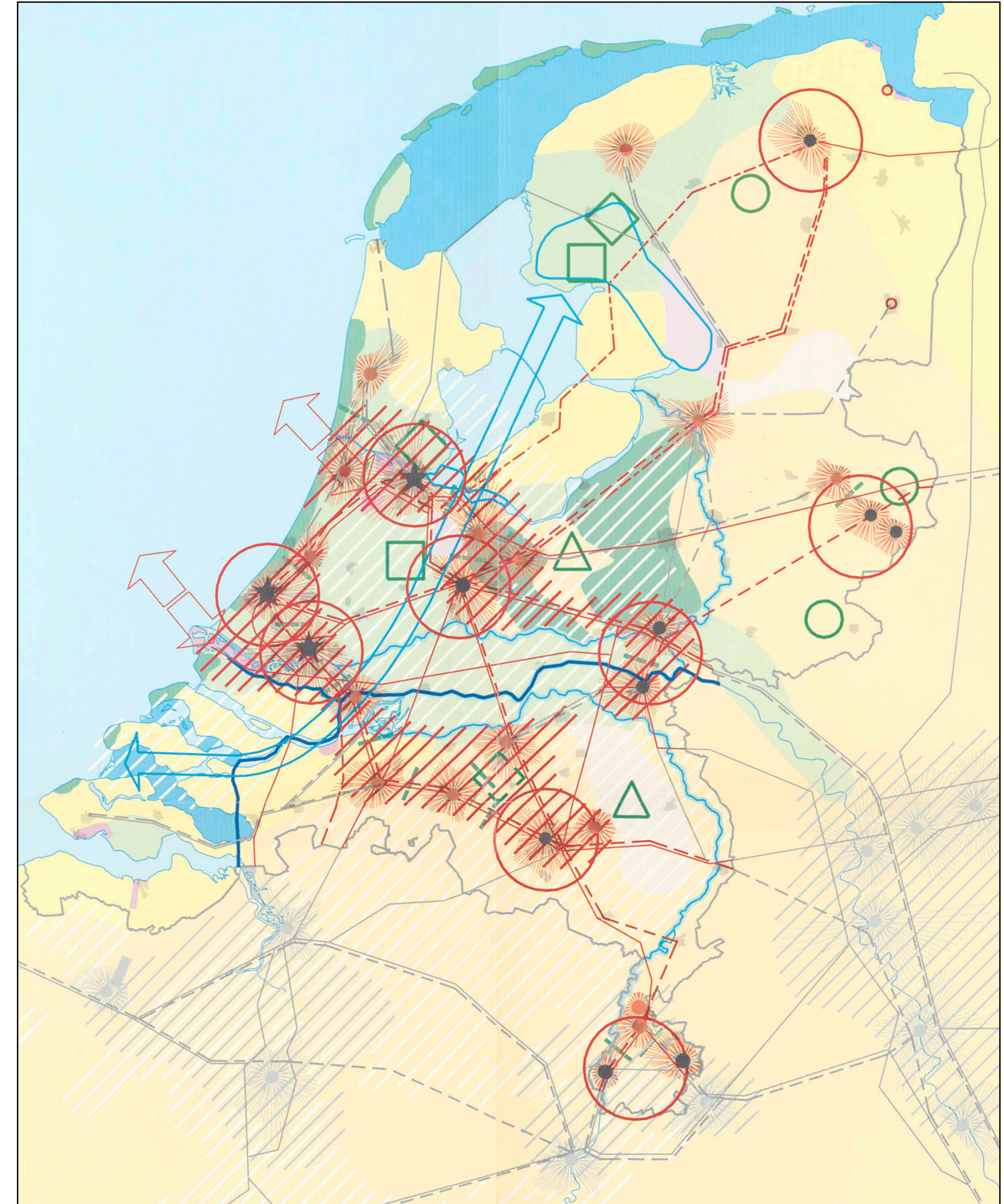
Ontwerpplan Cornelis Lely (1891)



We believe in the dutch tradition of planning and engineering

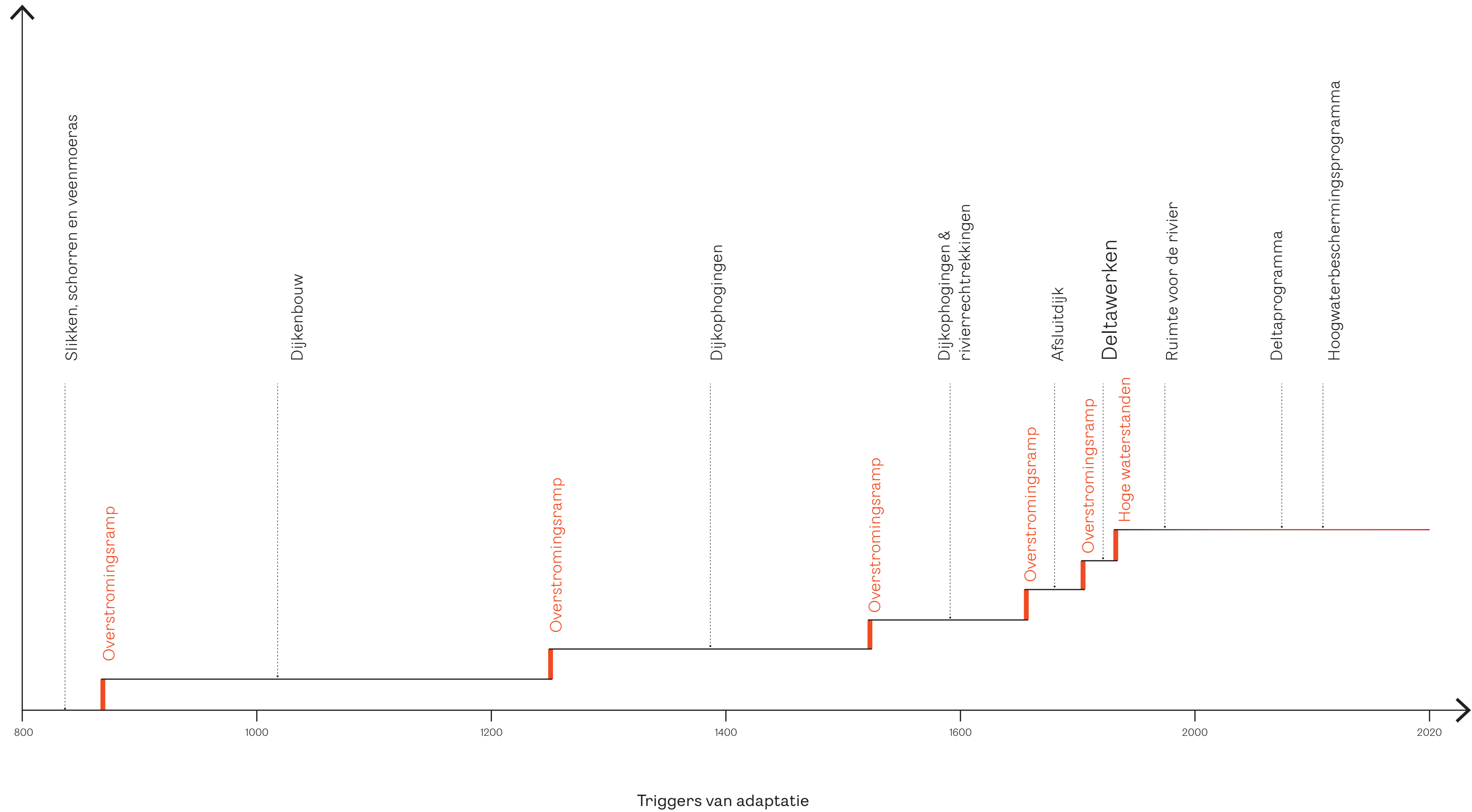


2e Nota Ruimtelijke Ordening (1966)

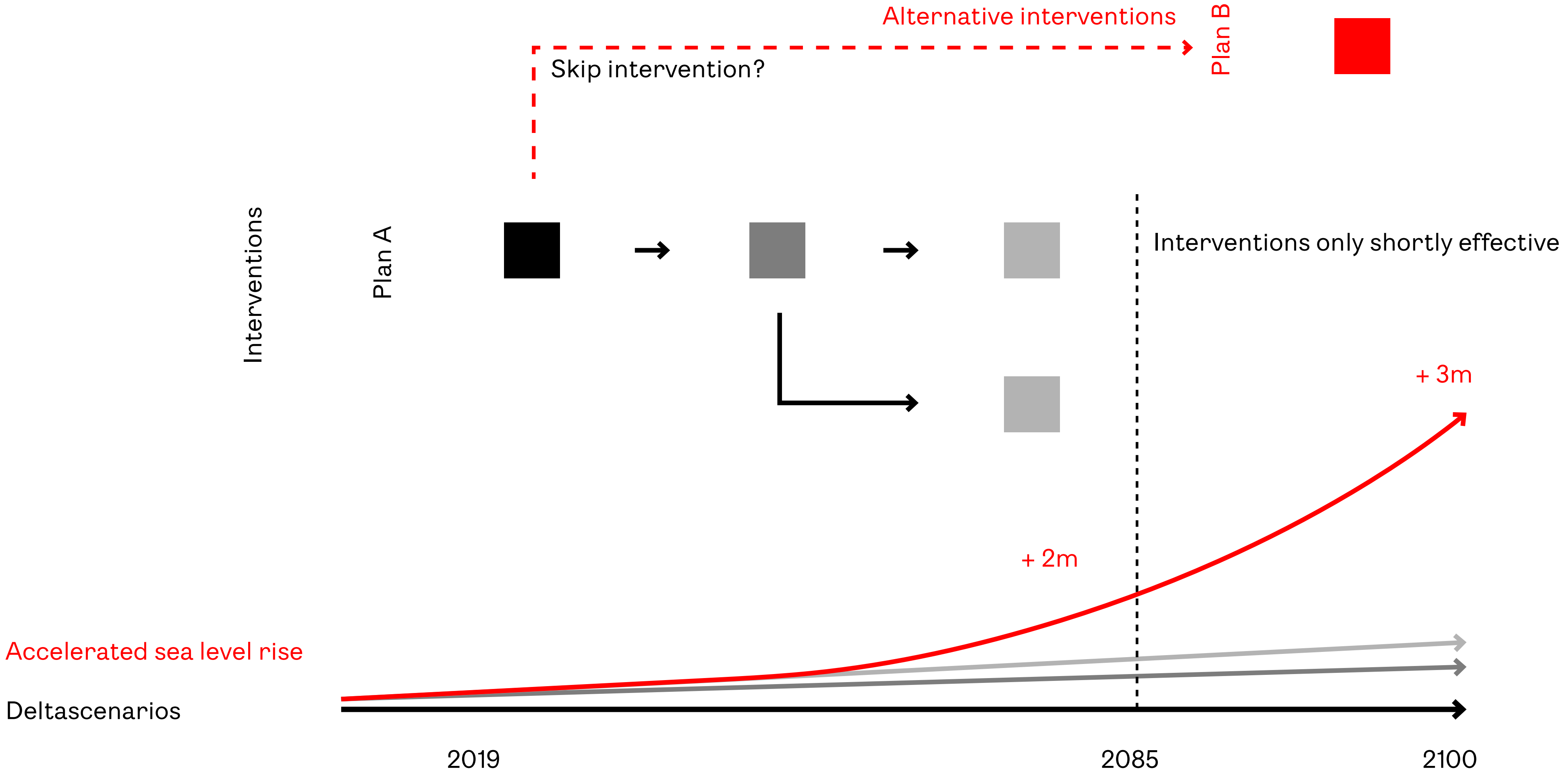


4e Nota Ruimtelijke Ordening (1988)

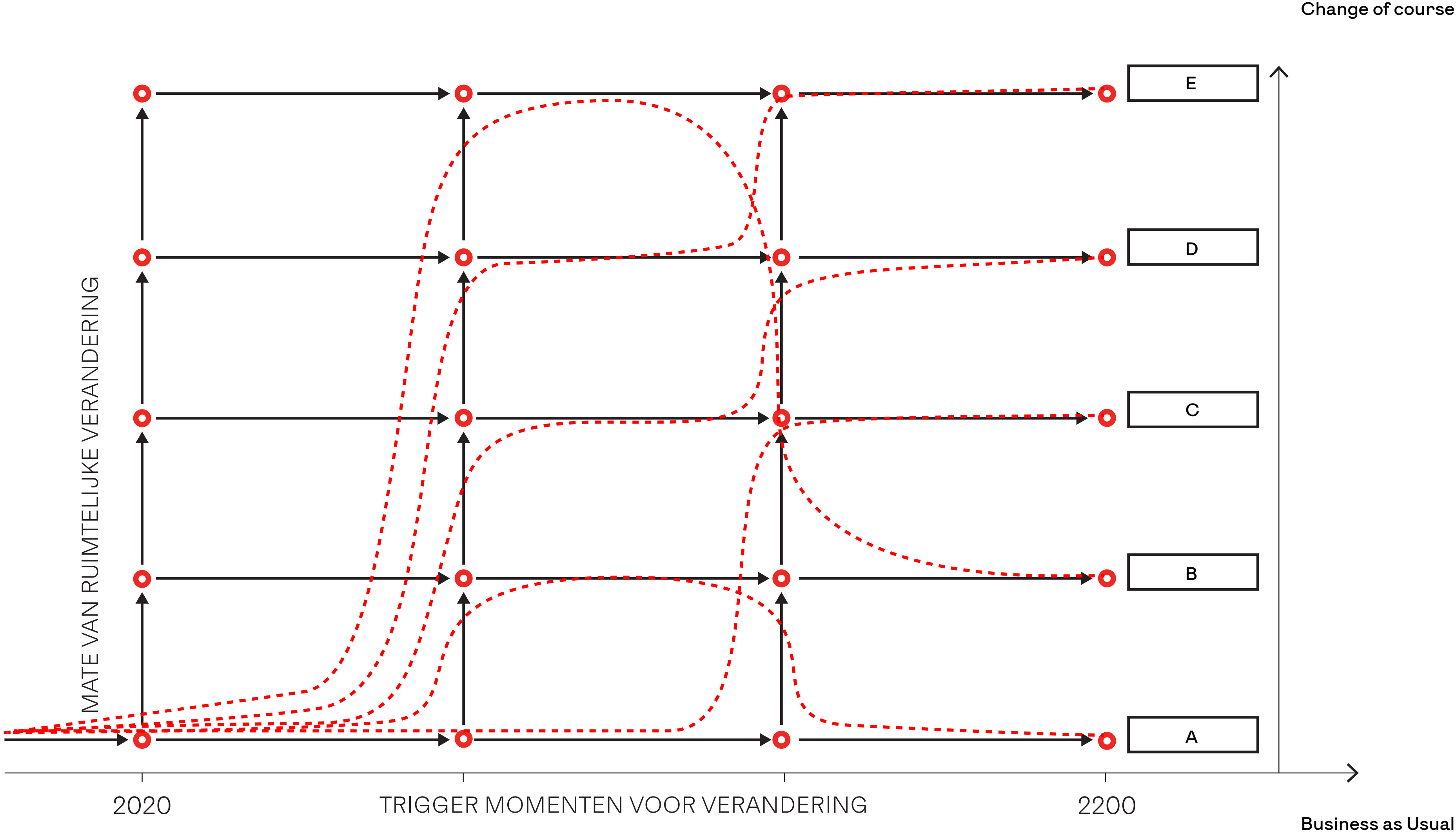
# The Dutch always have been adapting to climate change

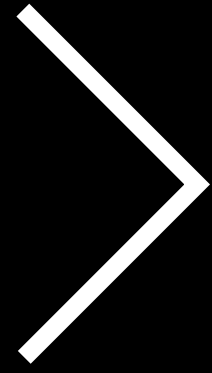


# But when the climate changes faster, the effect of adaptations is less

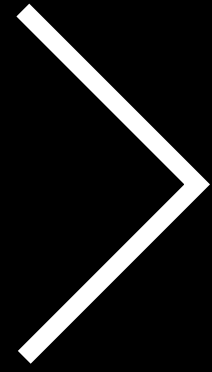


# We need a tipping point based planning





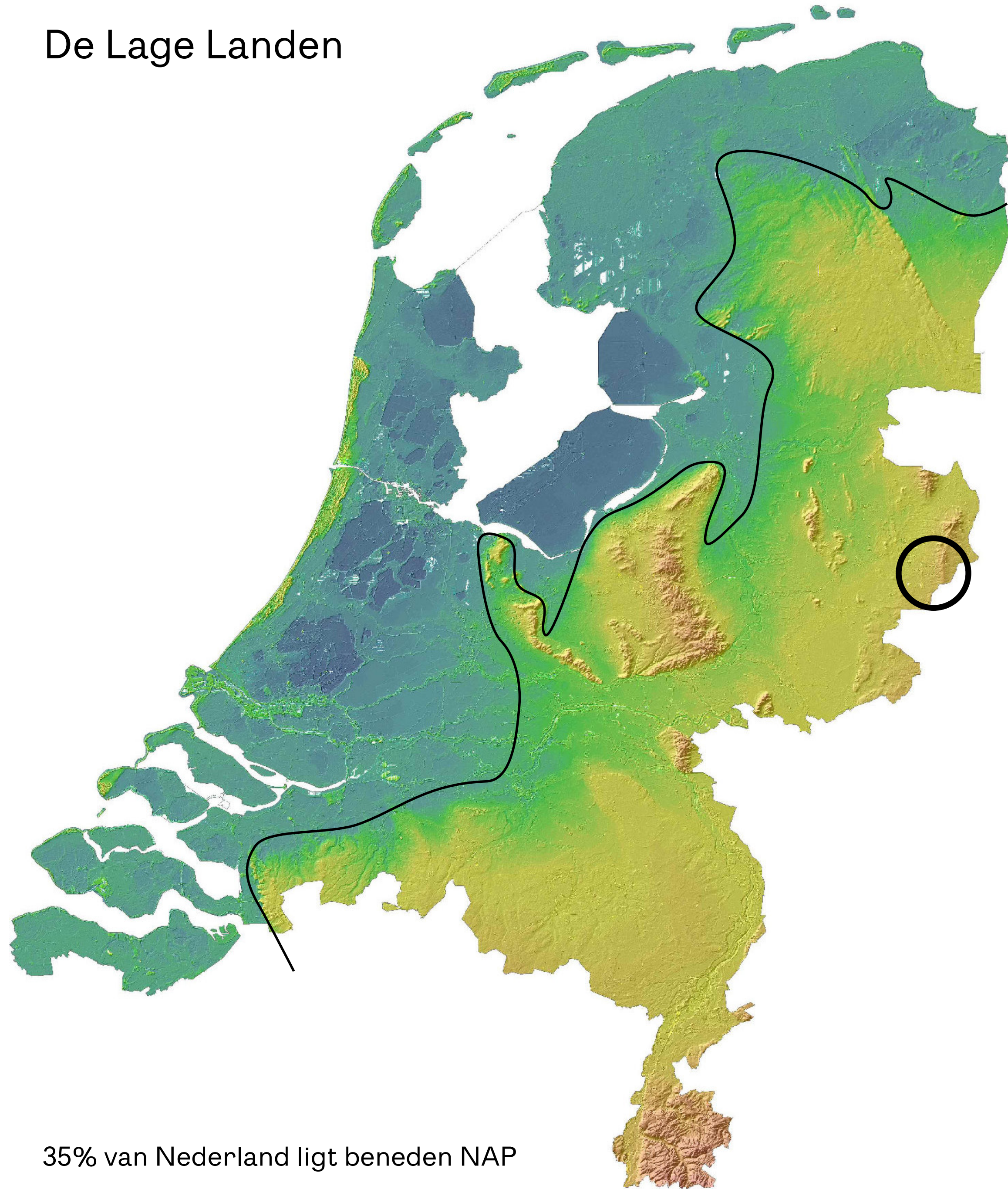
Imagine a future Netherlands  
without dikes and polders



Imagine an even better  
Netherlands that's safer,  
more sustainable and  
more beautiful

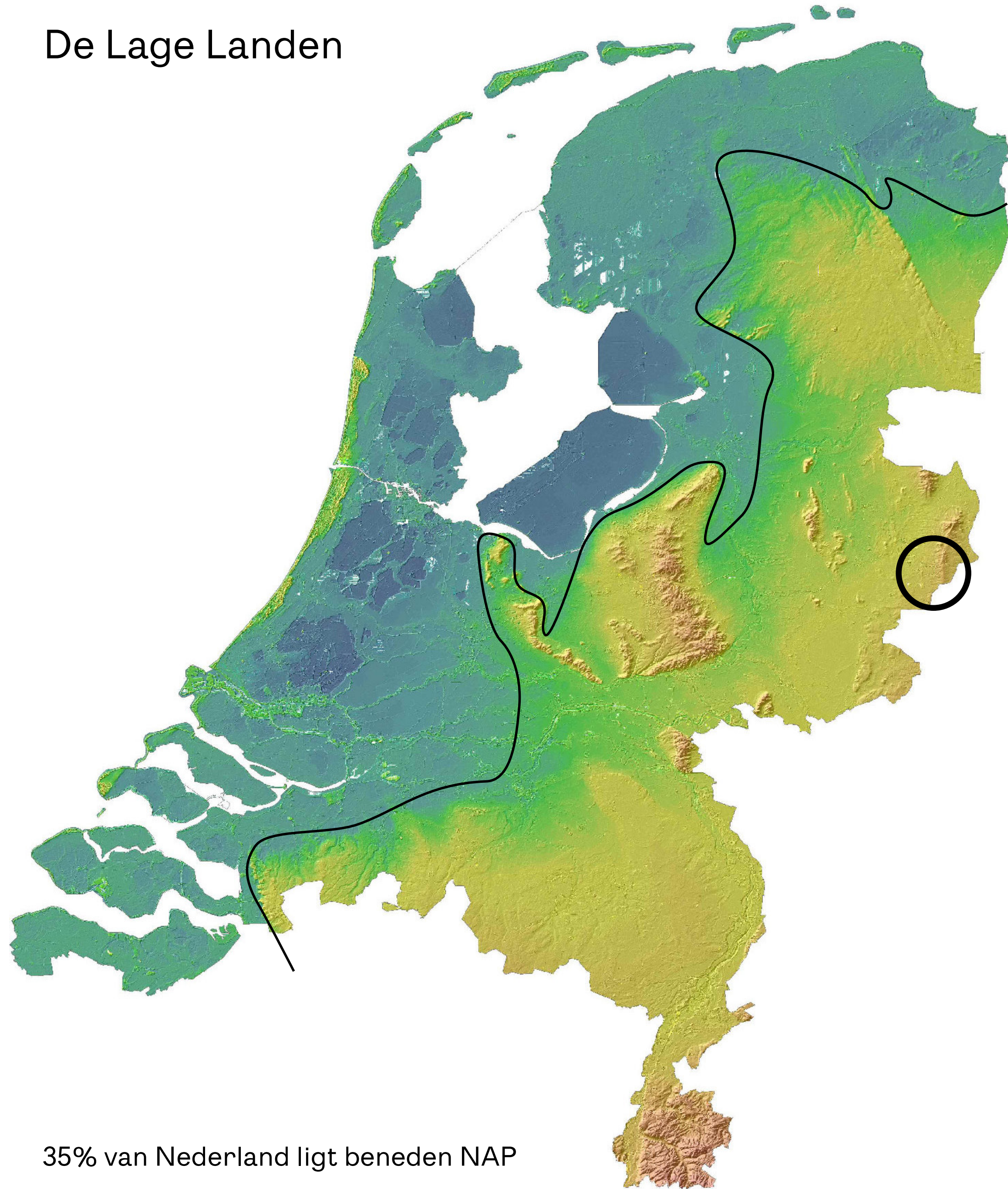


# De Lage Landen



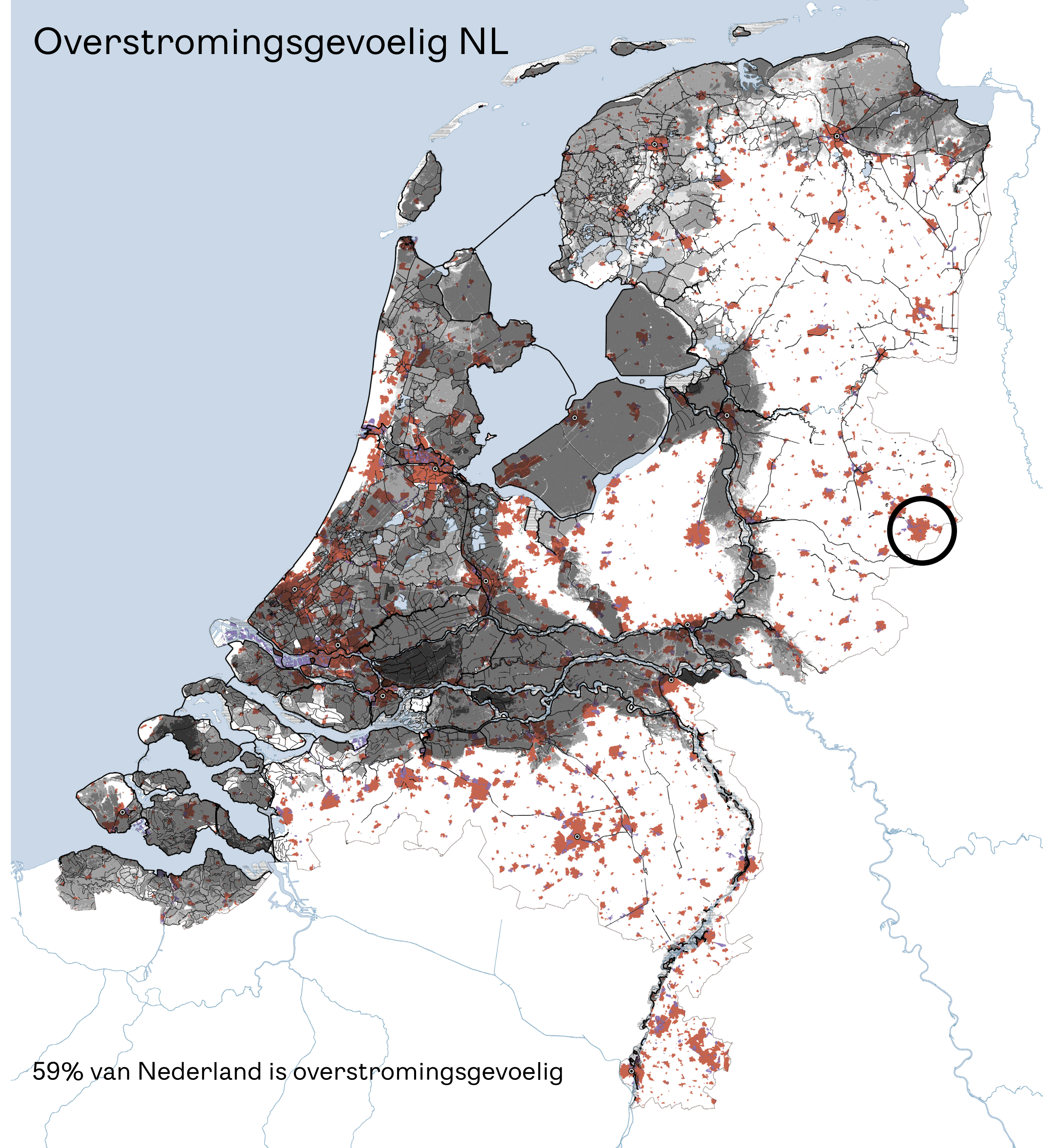
35% van Nederland ligt beneden NAP

# De Lage Landen



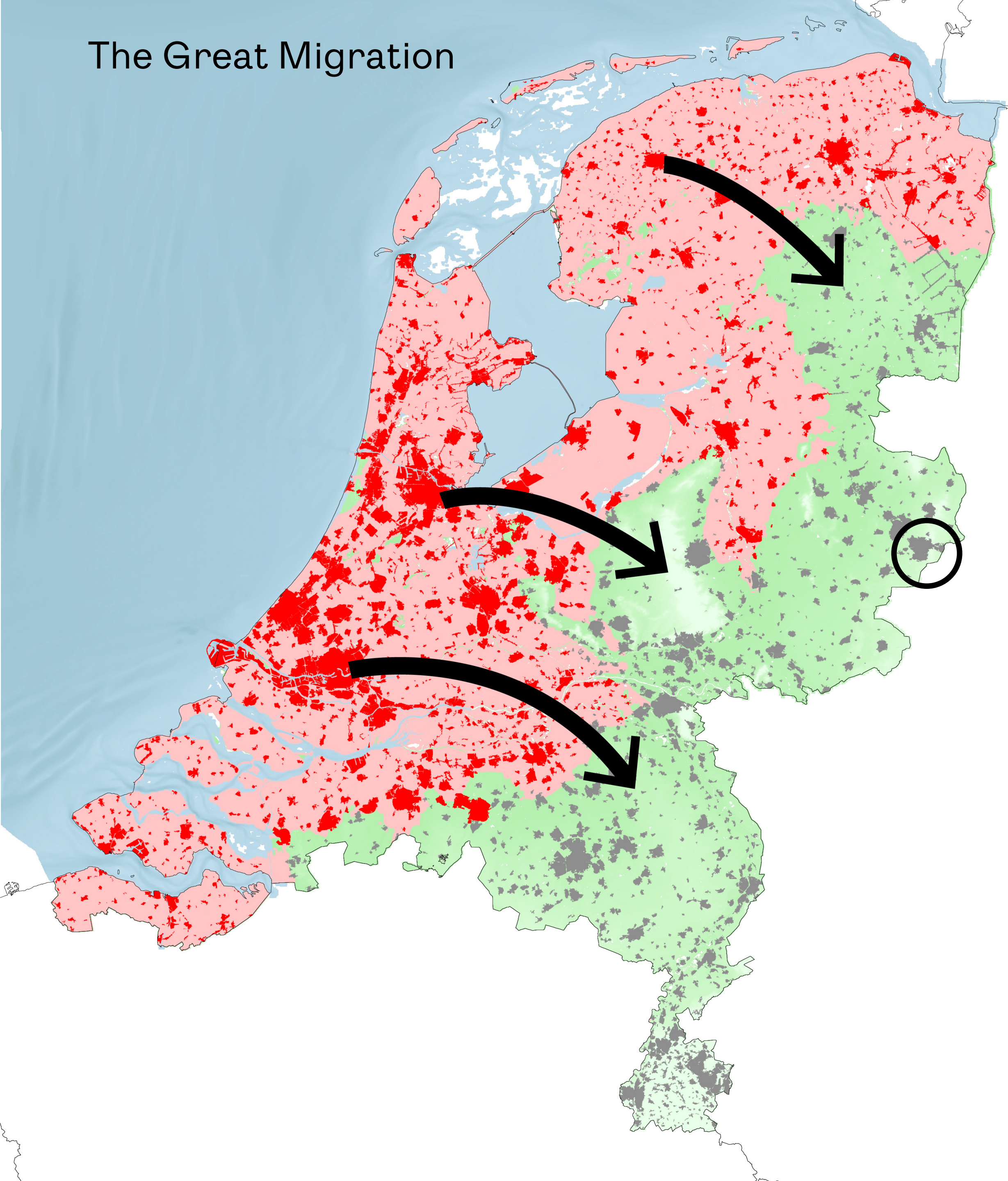
35% van Nederland ligt beneden NAP

# Overstromingsgevoelig NL

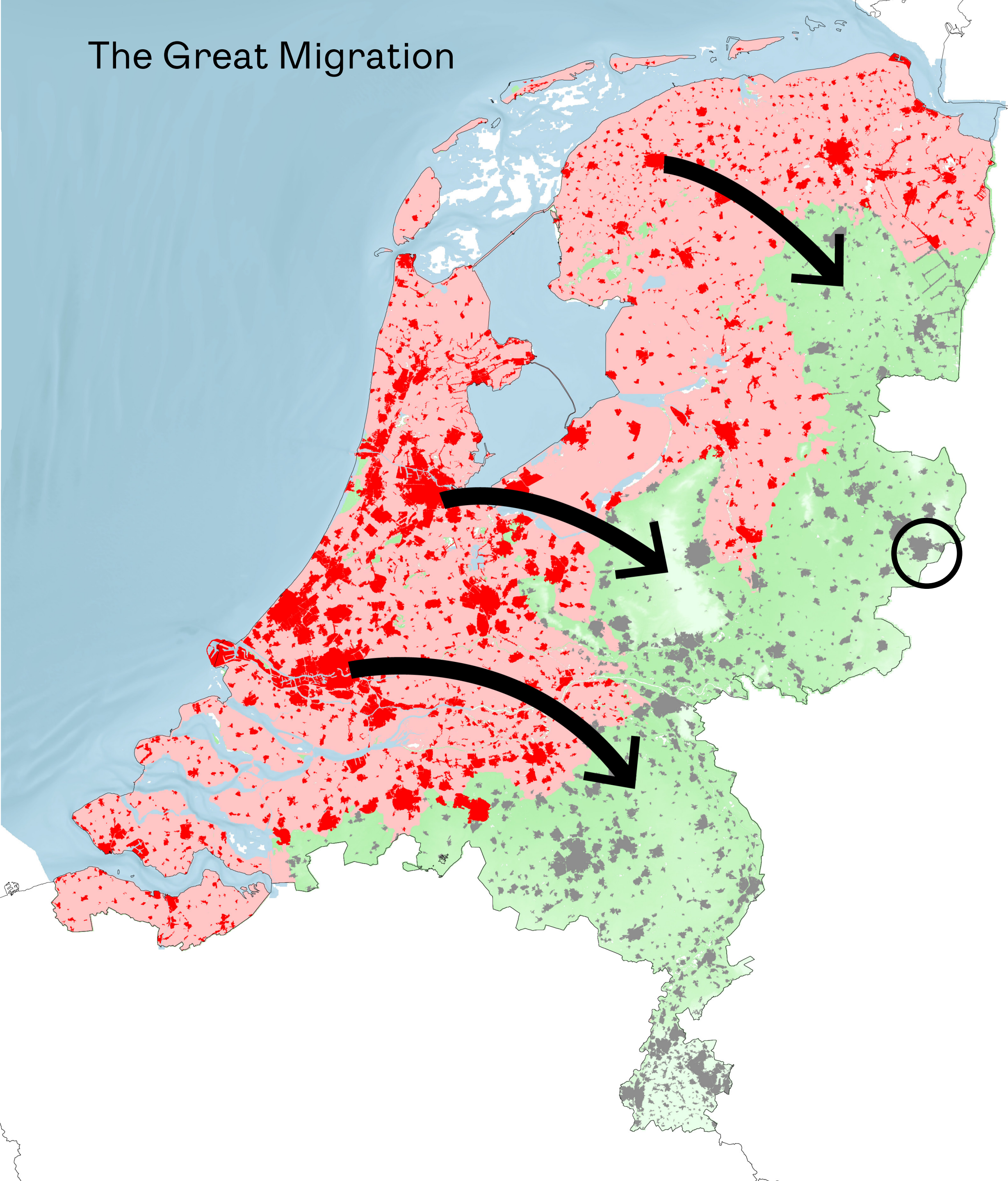


59% van Nederland is overstromingsgevoelig

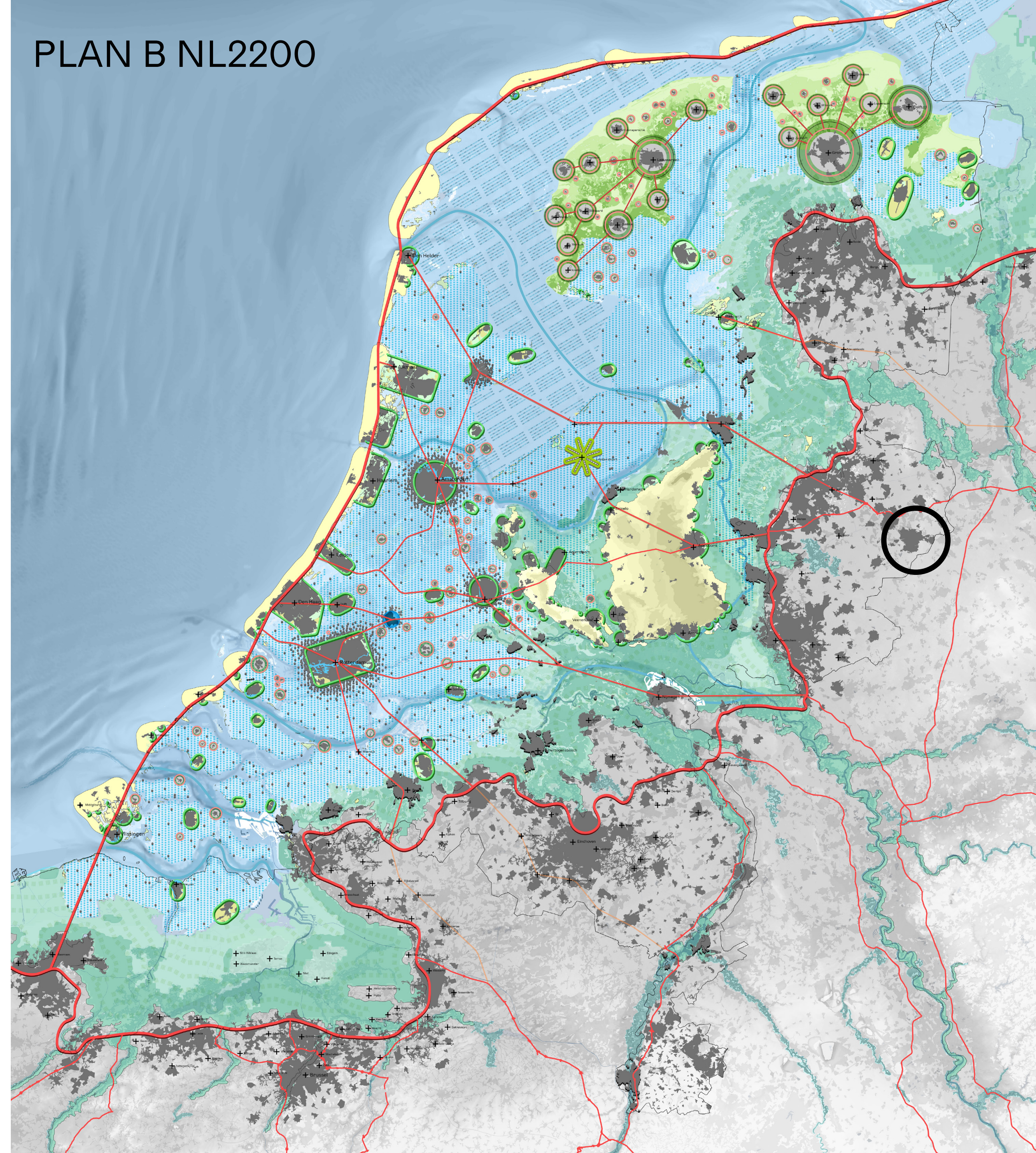
# The Great Migration



The Great Migration



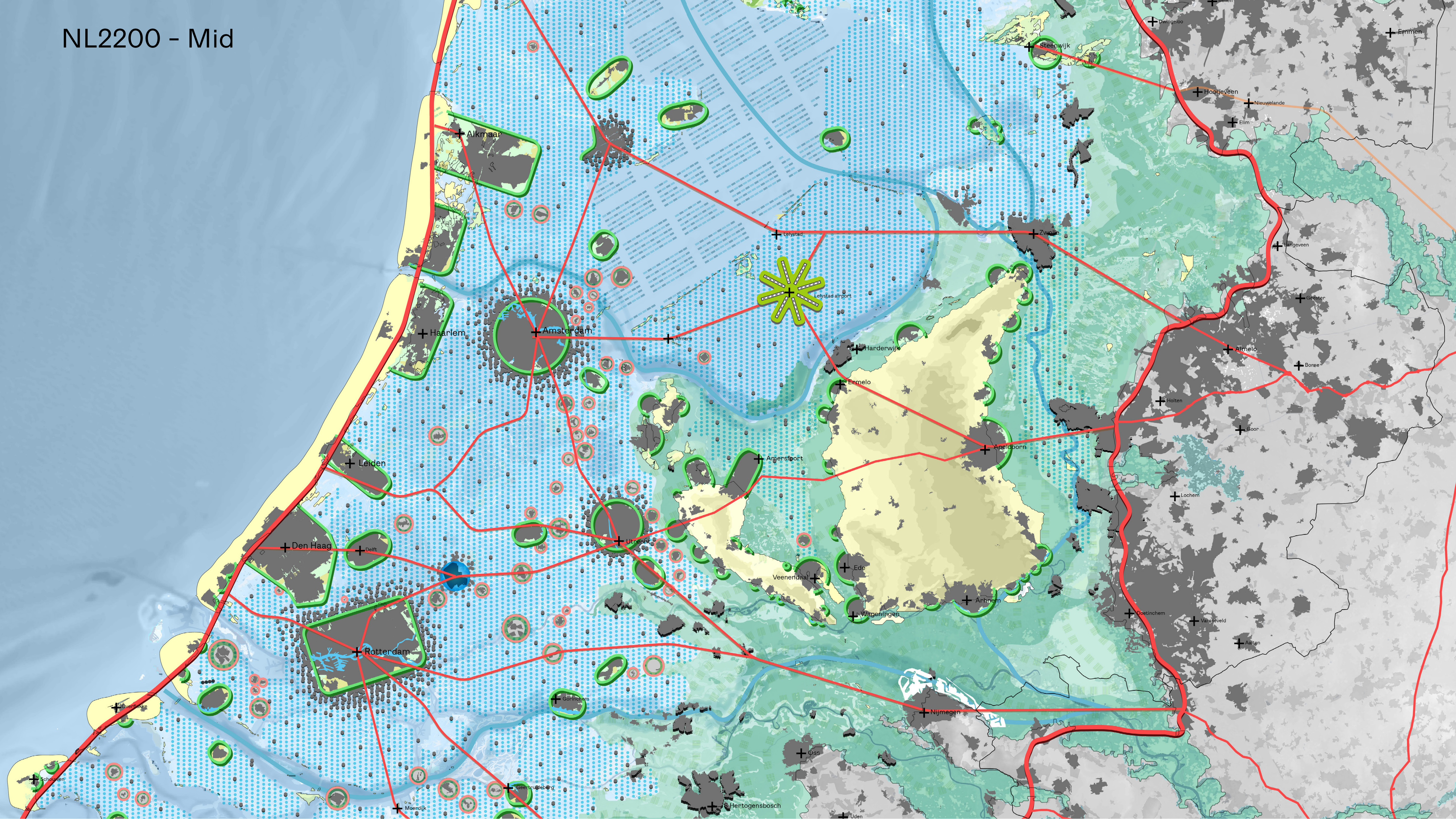
PLAN B NL2200



# NL2200 - North

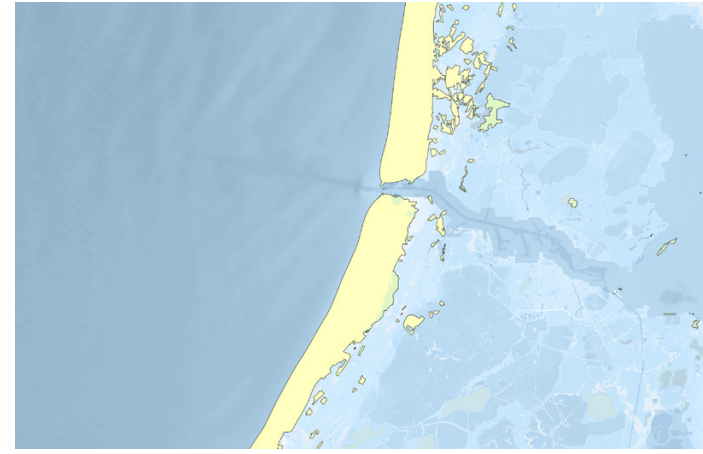


# NL2200 - Mid



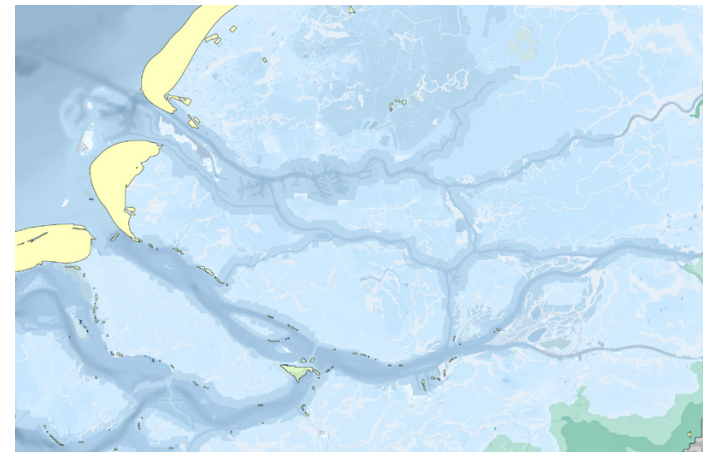


# NL2200 - Landscape



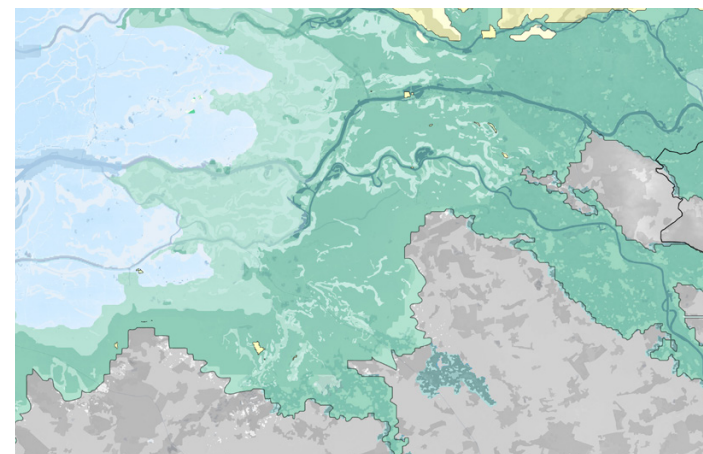
Barrier islands en duinen

①



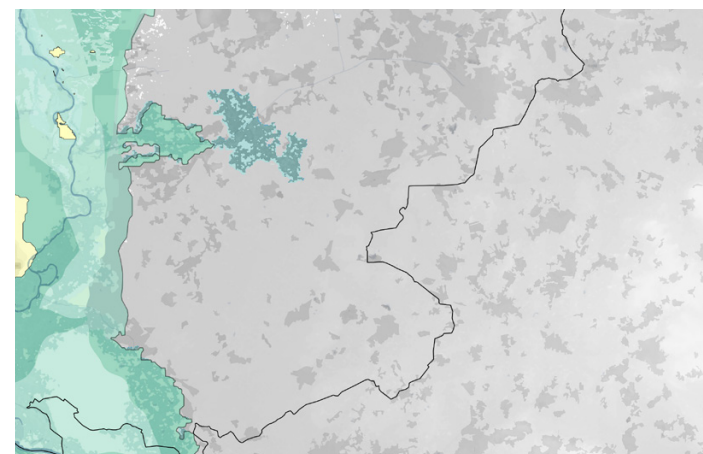
Estuarium lagune

②



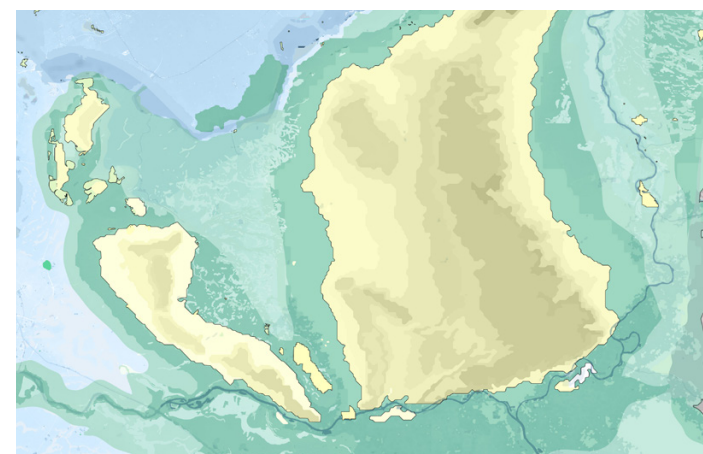
Slikken en schorren

③



Nieuwe kustlijn

④



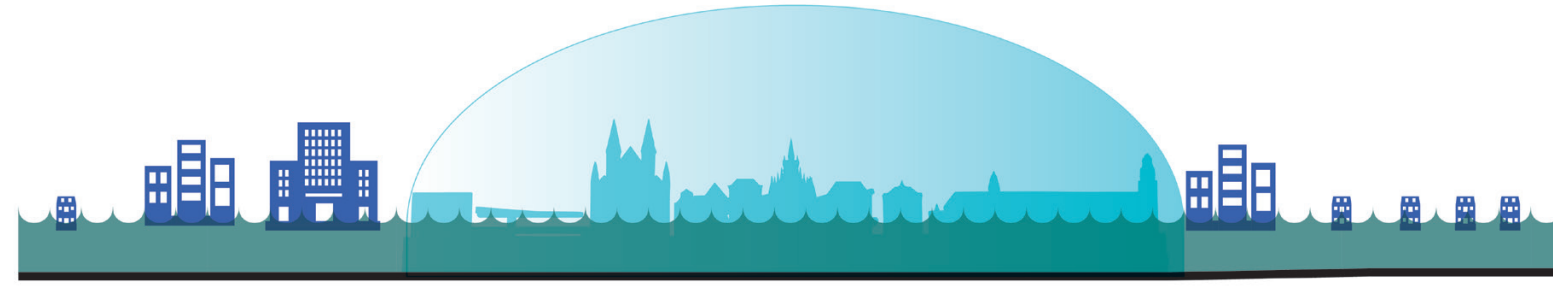
Stuwwal stuifduinen

⑤





# NL2200 - Urbanization



Overstroomde en drijvende steden



Ingedijkte en drijvende steden



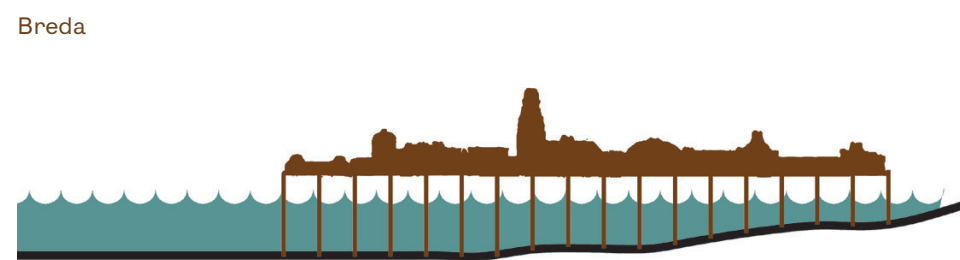
Drijvende boerderijen



Superterpen



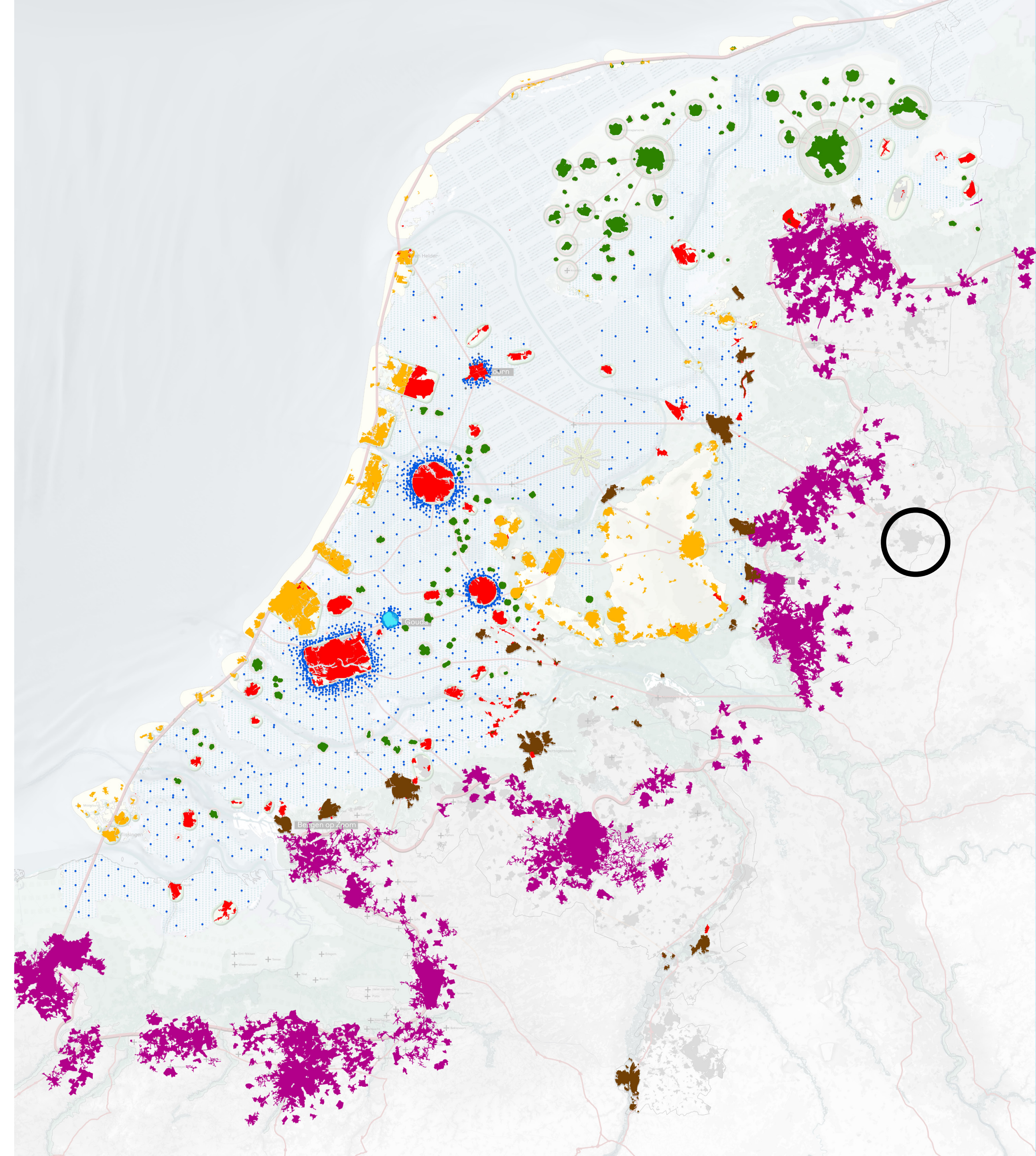
Zandsteden



Intergetijden steden

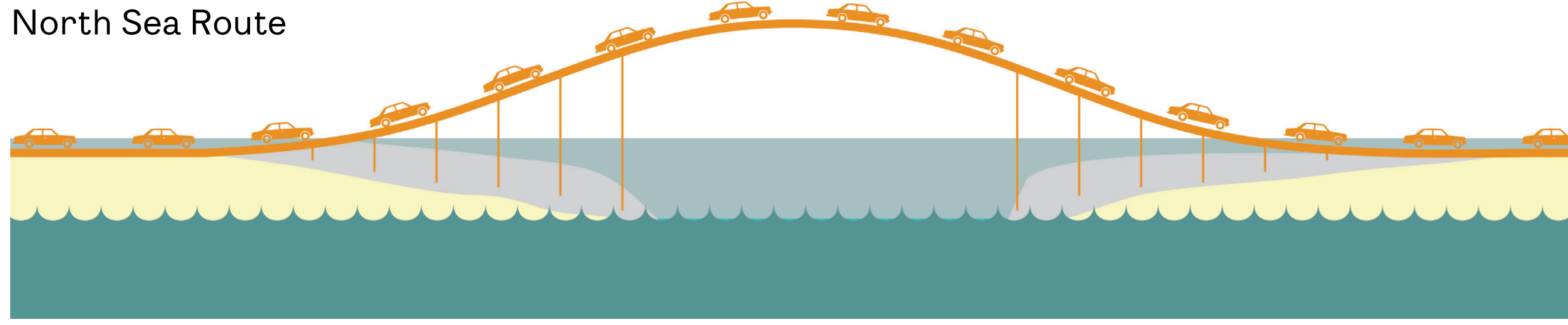


Stedelijke agglomeratie hogere gronden: verplaatste steden en uitbreiding bestaande steden

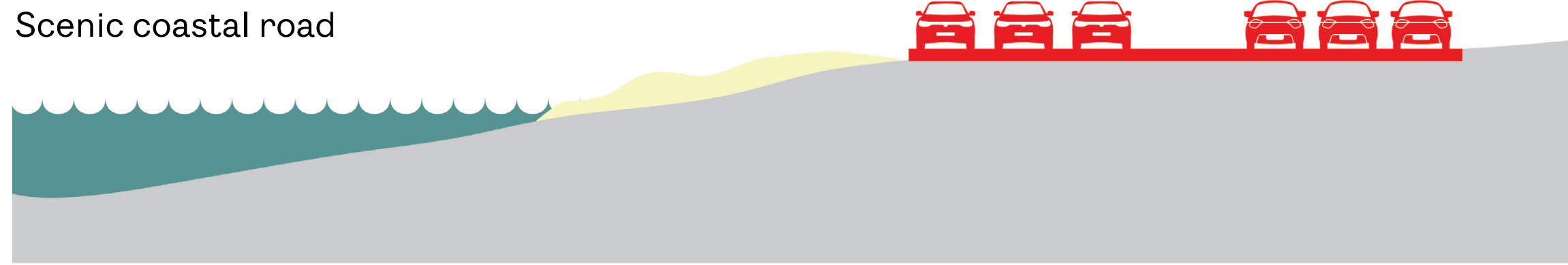


# NL2200 - Roads

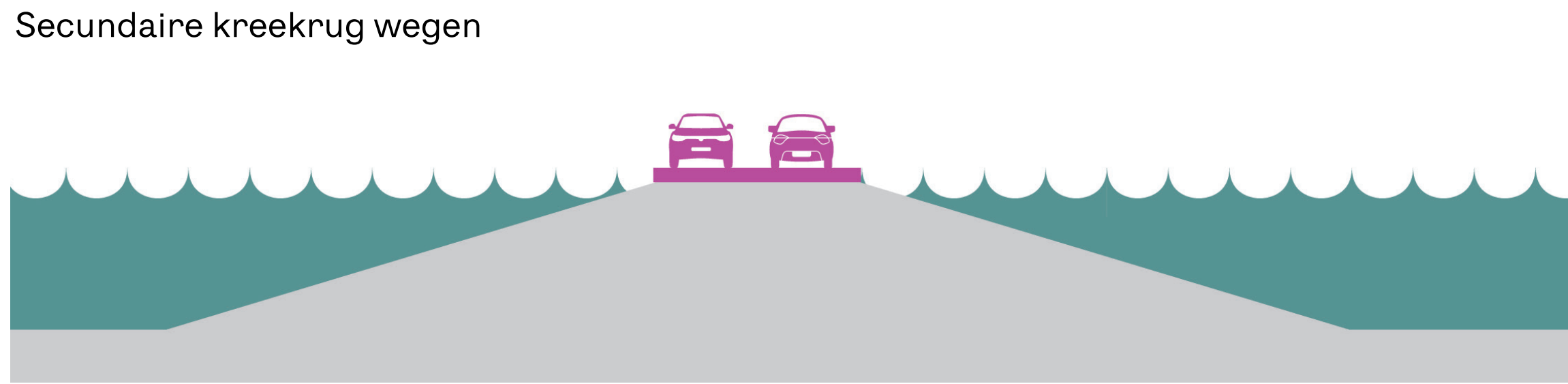
North Sea Route



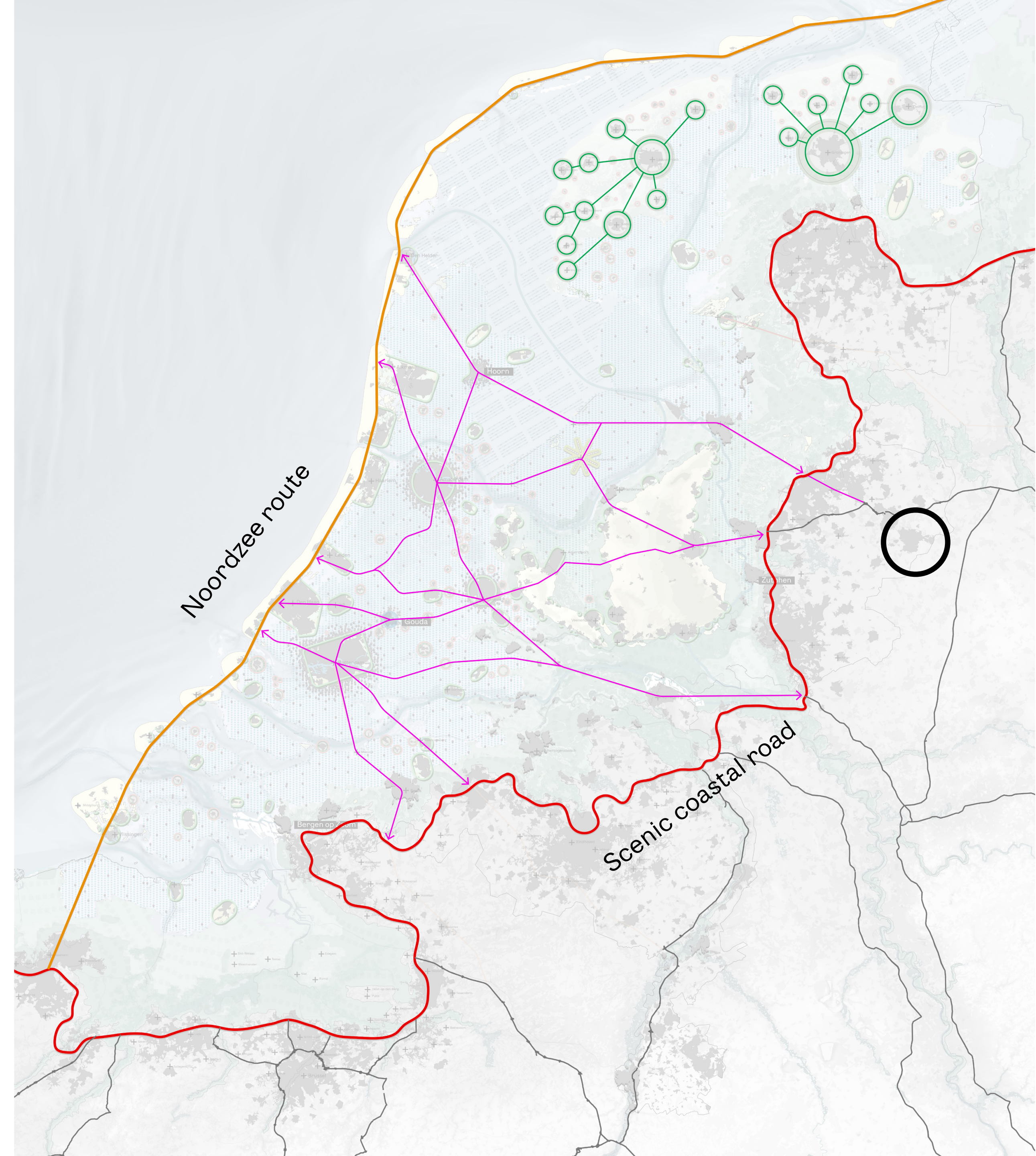
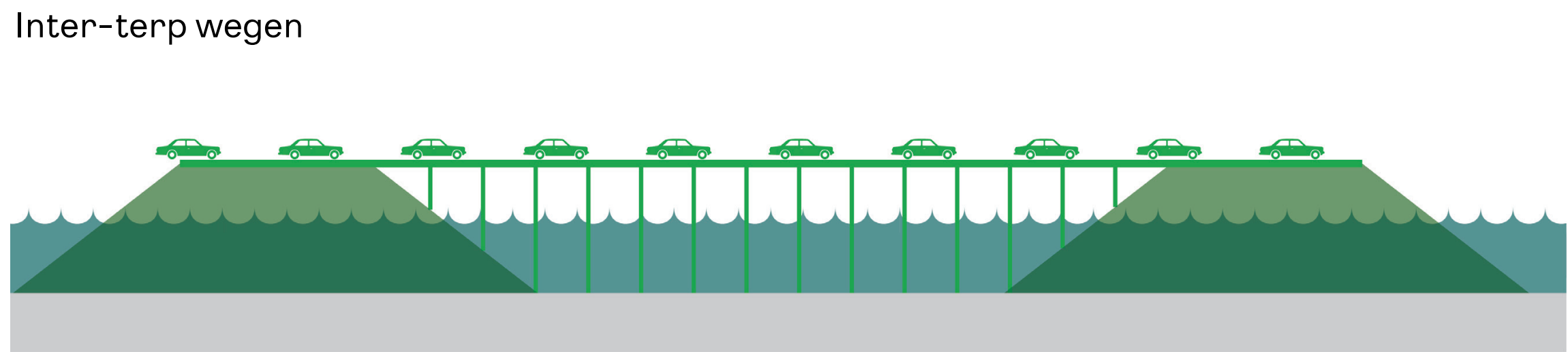
Scenic coastal road



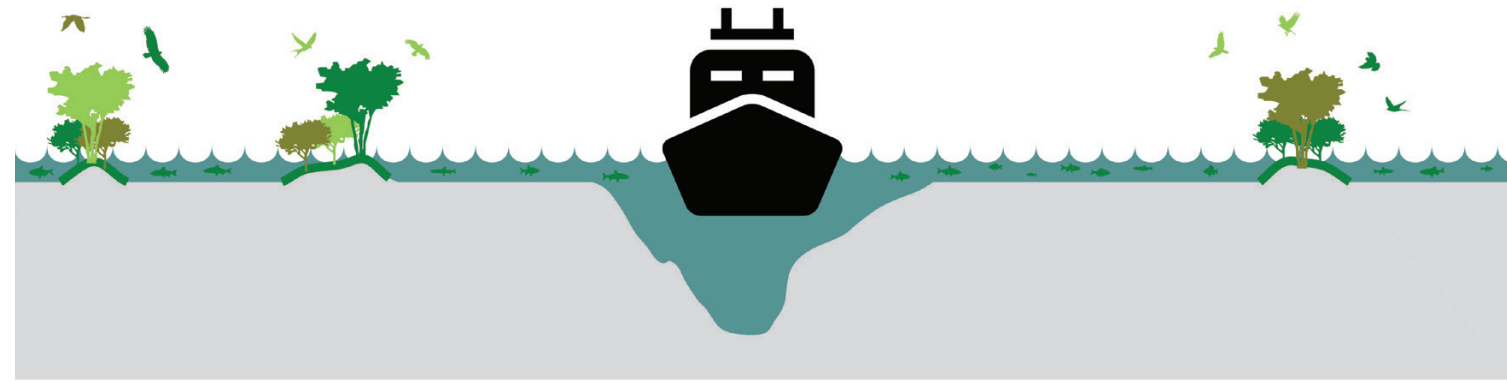
Secundaire kreekrug wegen



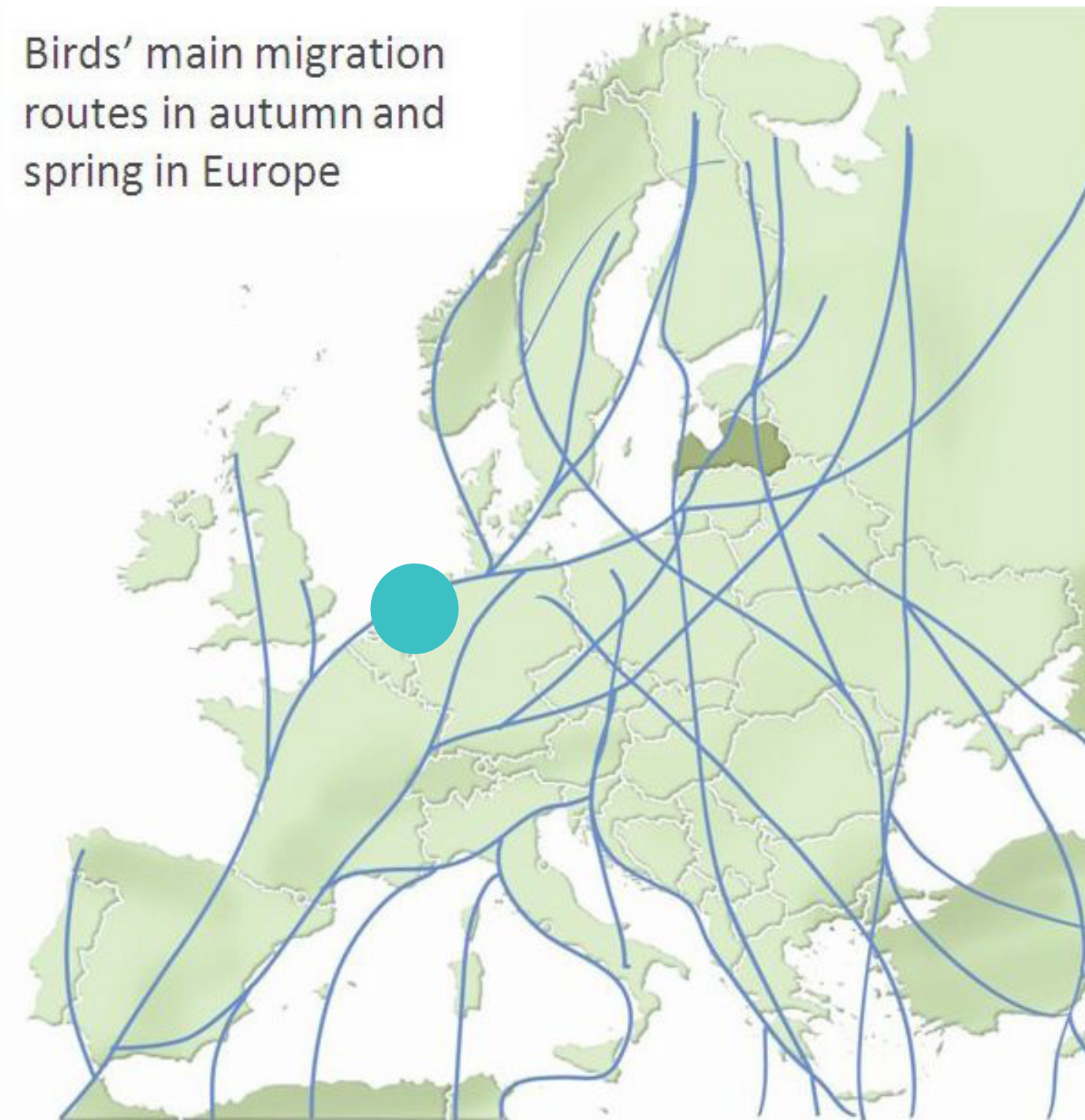
Inter-terp wegen



# NL2200 - Routes



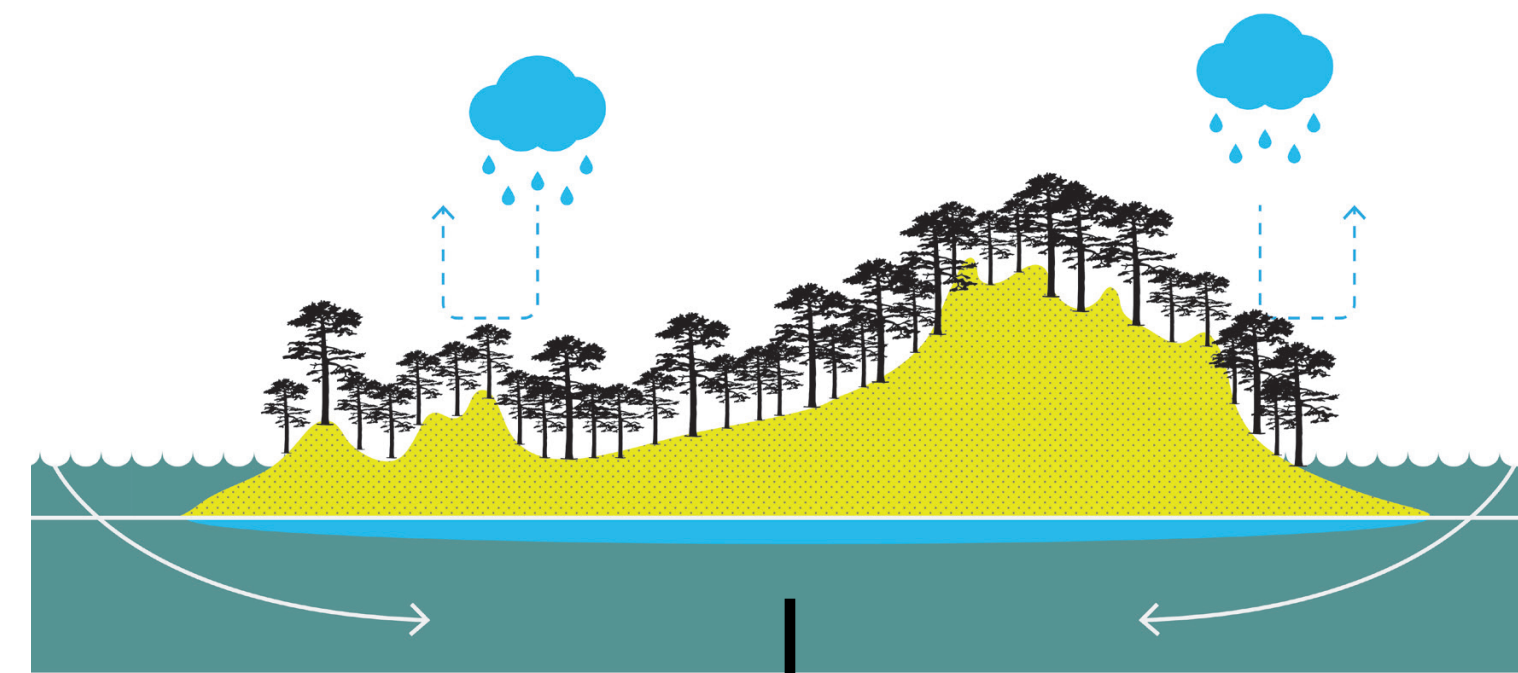
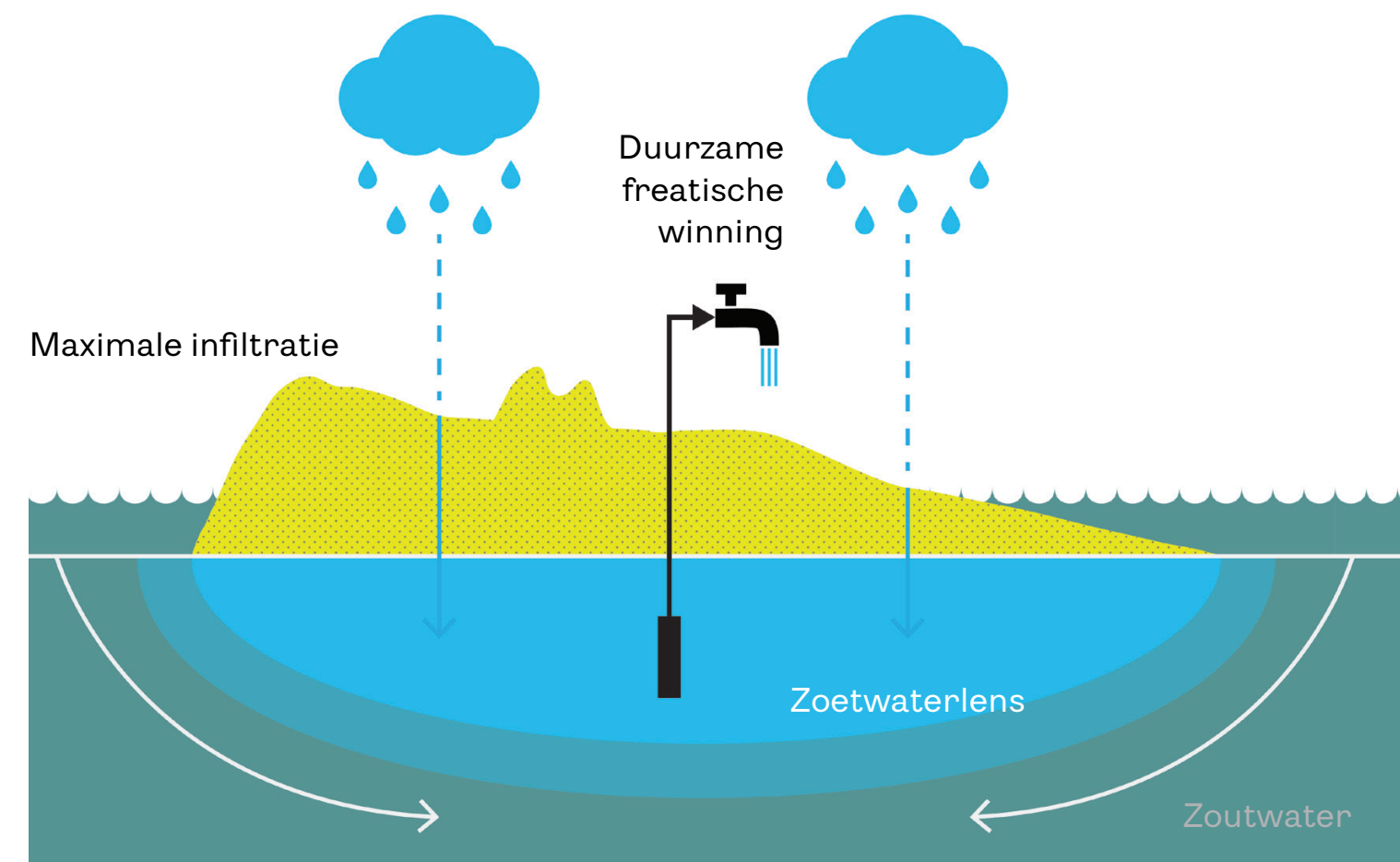
Birds' main migration routes in autumn and spring in Europe



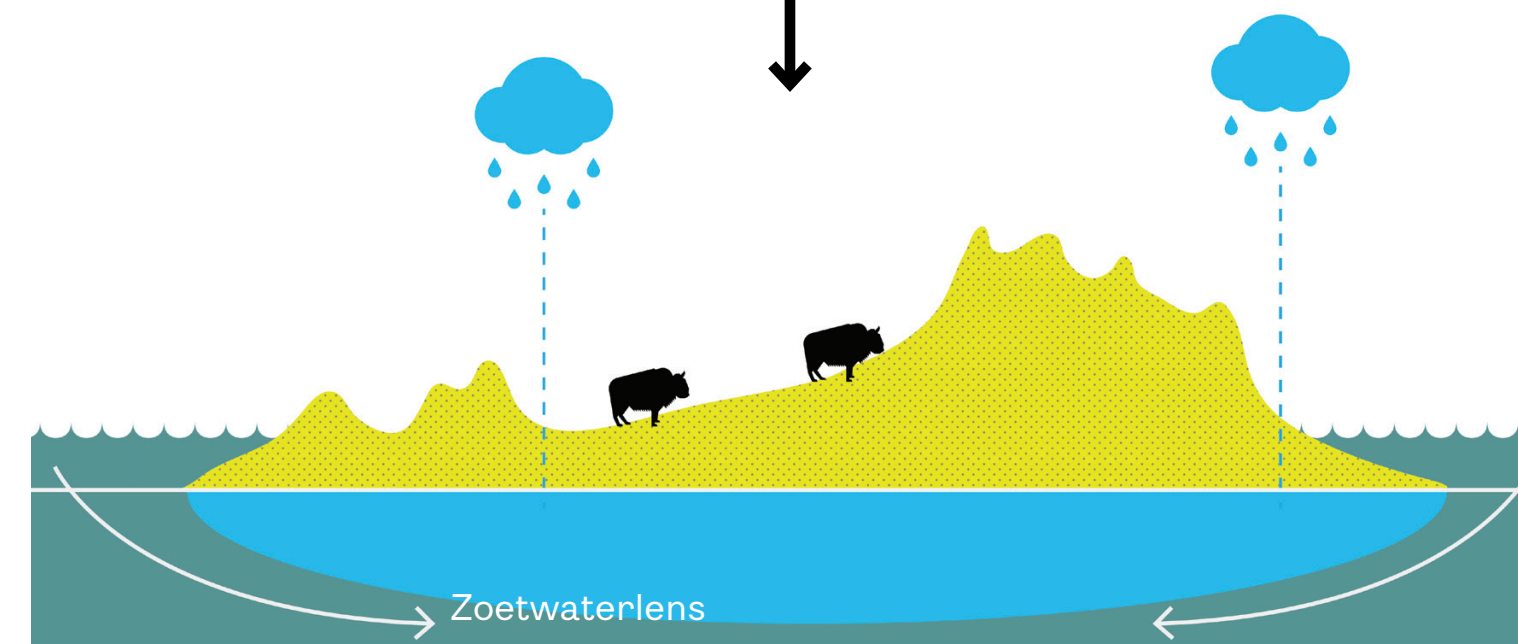
↔ Vaarwegen  
■ Natura 2200: vismigratie, vogelhabitat etc



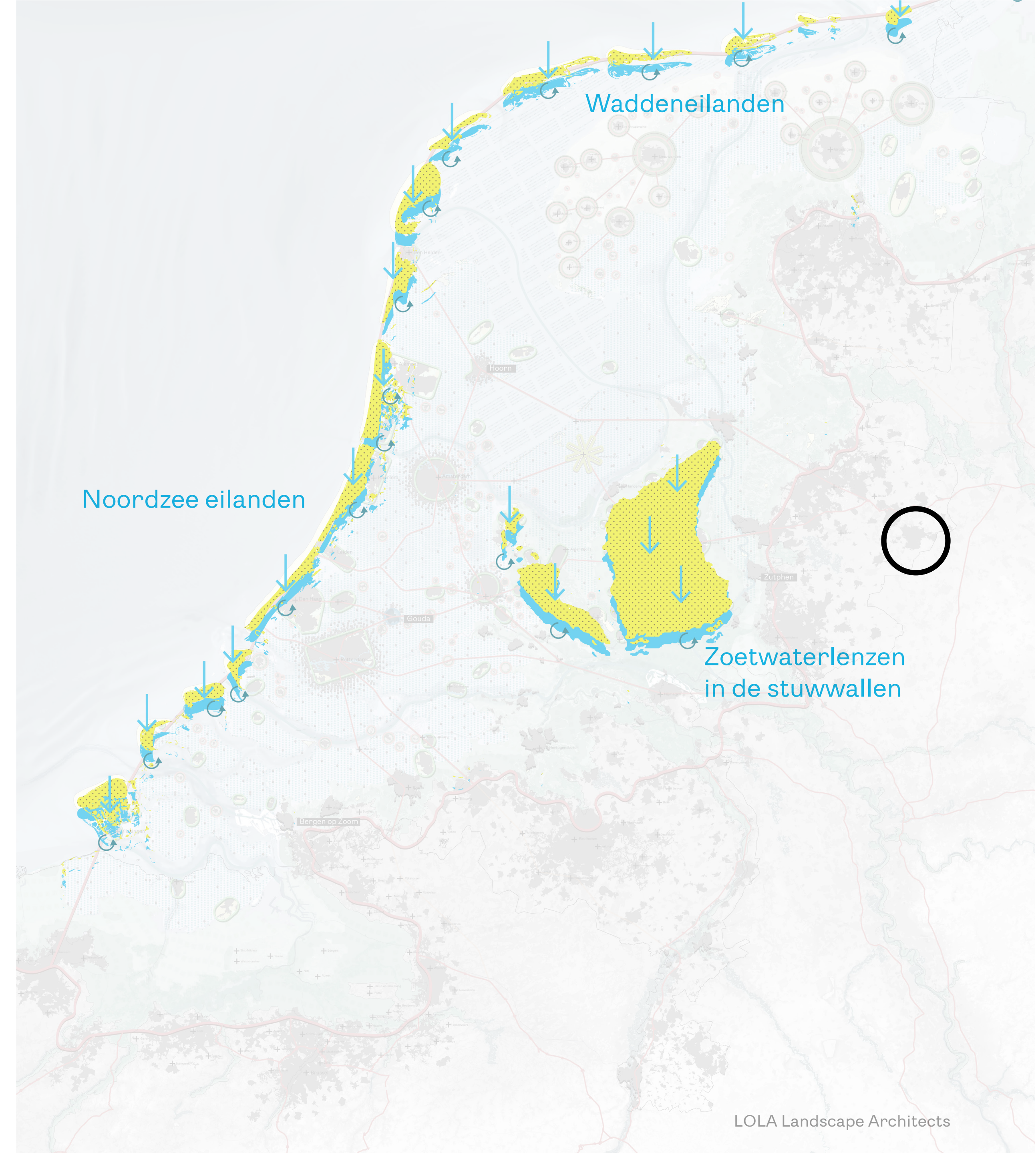
# NL2200 - Fresh water



Present

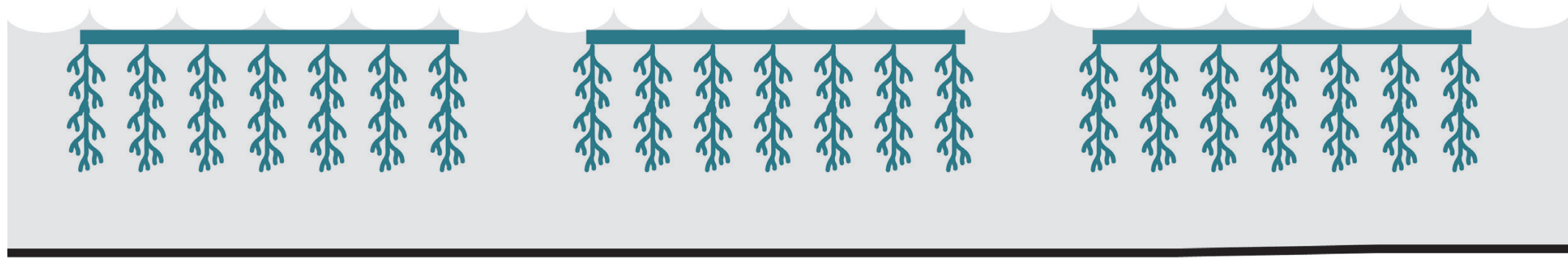


2200

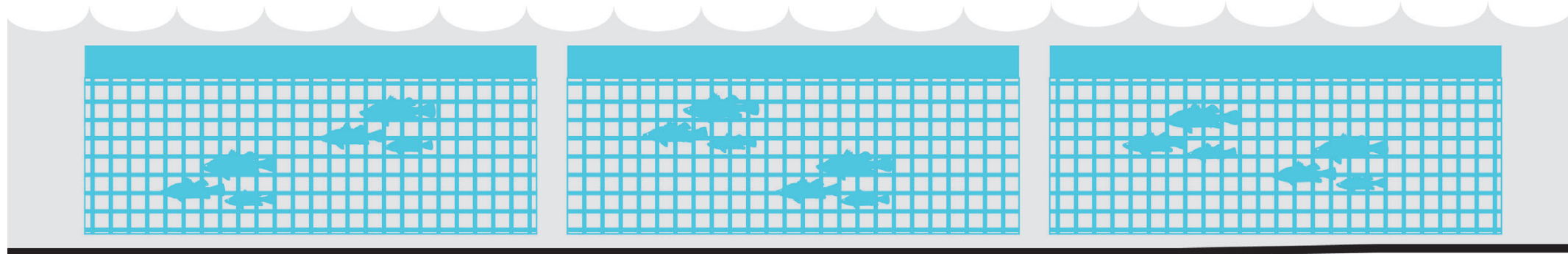


# NL2200 - Saline agriculture and energy

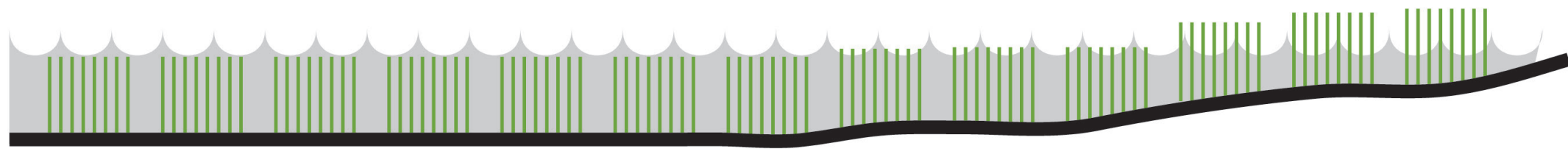
Saline agriculture (algae, seaweed)



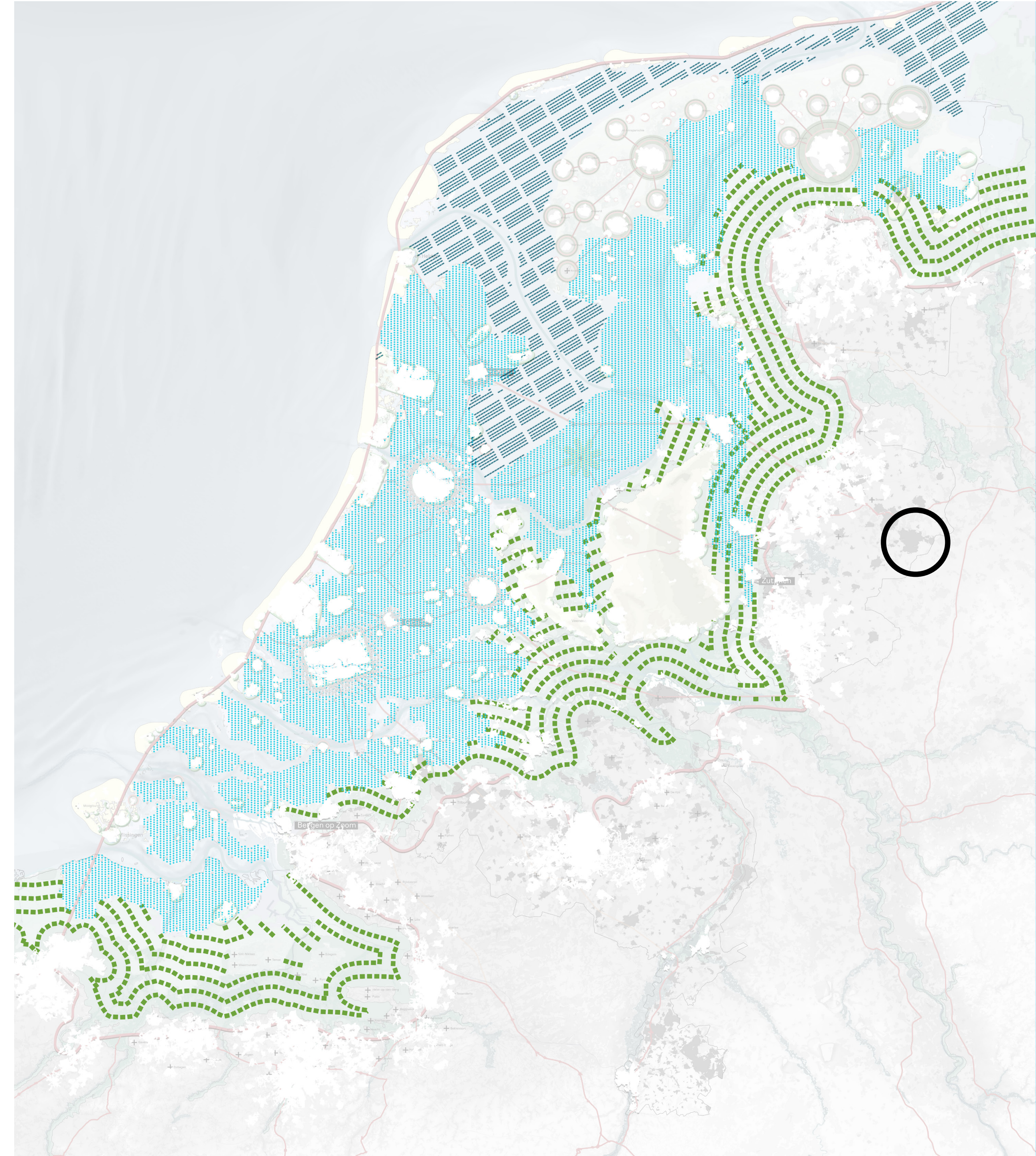
Fish farms (closed systems)



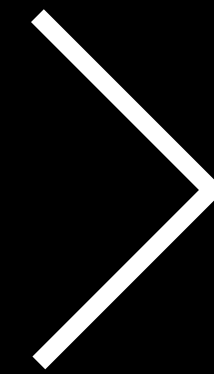
Intertidal agriculture (clams, shells)



Energy

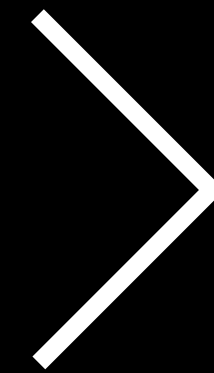


“Who commissioned you?”



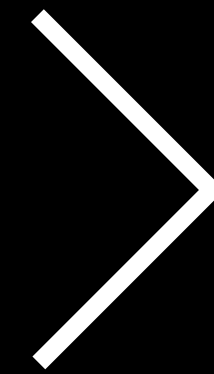
This is stepping up when you  
think something is missing

“This is a doom scenario”



This is thinking in a positive  
way about the possibilities of  
our future

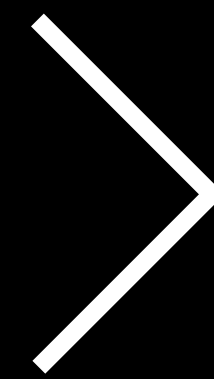
“This is giving up”



This is about spreading our  
chances



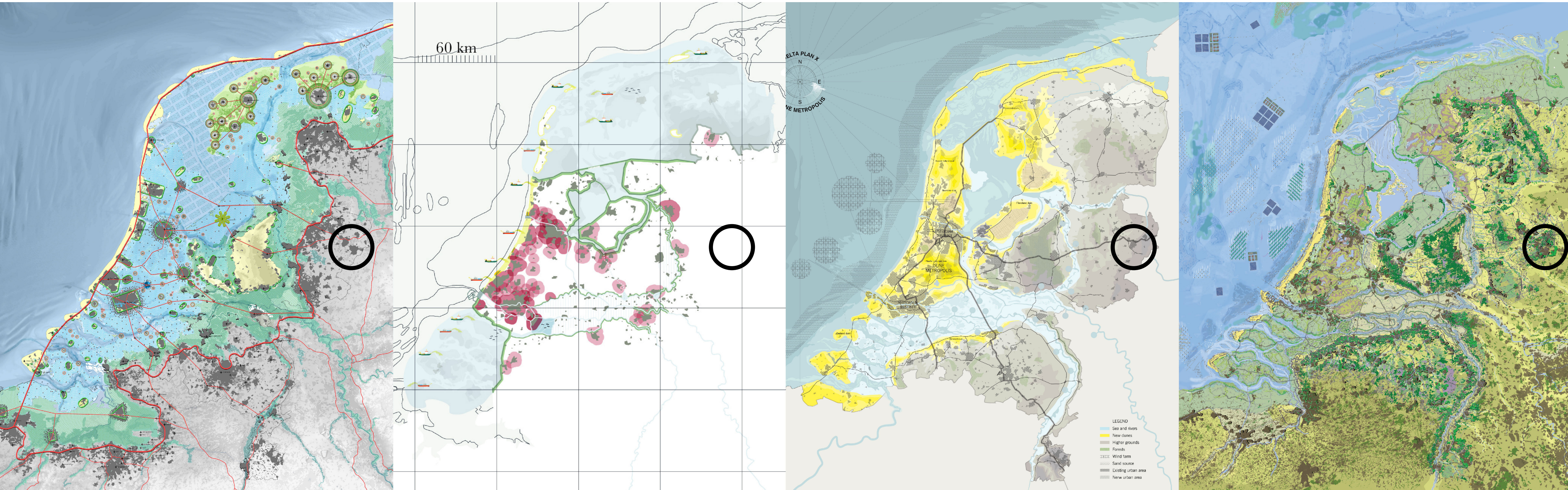
“This is not the solution”



This is about opening up future  
options

What's next?

More plans... a good thing!



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