

SPAN KRACHT

Lokale actoren samen voor
duurzame ontwikkeling



SDG's, van straffe beloftes en mooie principes naar concrete resultaten



Globale context: nooit geziene uitdagingen/crisissen

1. IPCC: **klimaatverandering**

2. IPBES: **biodiversiteitsverlies**

3. IRP: niet duurzaam gebruik van **grondstoffen**

4. WHO: impact op **gezondheid**

Global Warming of 1.5°

An IPCC special report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathway the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty.

- **Urgentie; scharnierdecennium**
- **Onomkeerbare gevolgen**
- **Kantelpunten**
- **Interconnecties**



PREVENTING DISEASE THROUGH HEALTHY ENVIRONMENTS

A global assessment of the burden of disease from environmental risks

A Prüss-Ustün, J Wolf, C Convalán, R Bos and M Neira



UN
environment



Sustainable development goals als antwoord (opnieuw!)



European Green Deal: het Europese antwoord

- First **climate-neutral** continent
- **Biodiversity Strategy 2030**
- New Circular Economy Action Plan
- Zero Pollution Action Plan
- Fair Energy Transition
- Just Energy Transition
- Sustainable Growth
- Future-Proof Investments

“Our *most pressing*

- De politieke, economisch en investeringsprioriteit voor Europa
- Sterke logica van systeemverandering
- Sectorale vertaling
- Sociale dimensie
- Lange tijdshorizon
- Innovatie en digitalisering
- Bestuurlijke/governance agenda

our
the
and
S.”

Ambitieux, innovatiegericht, systemisch, interconnected

world.”



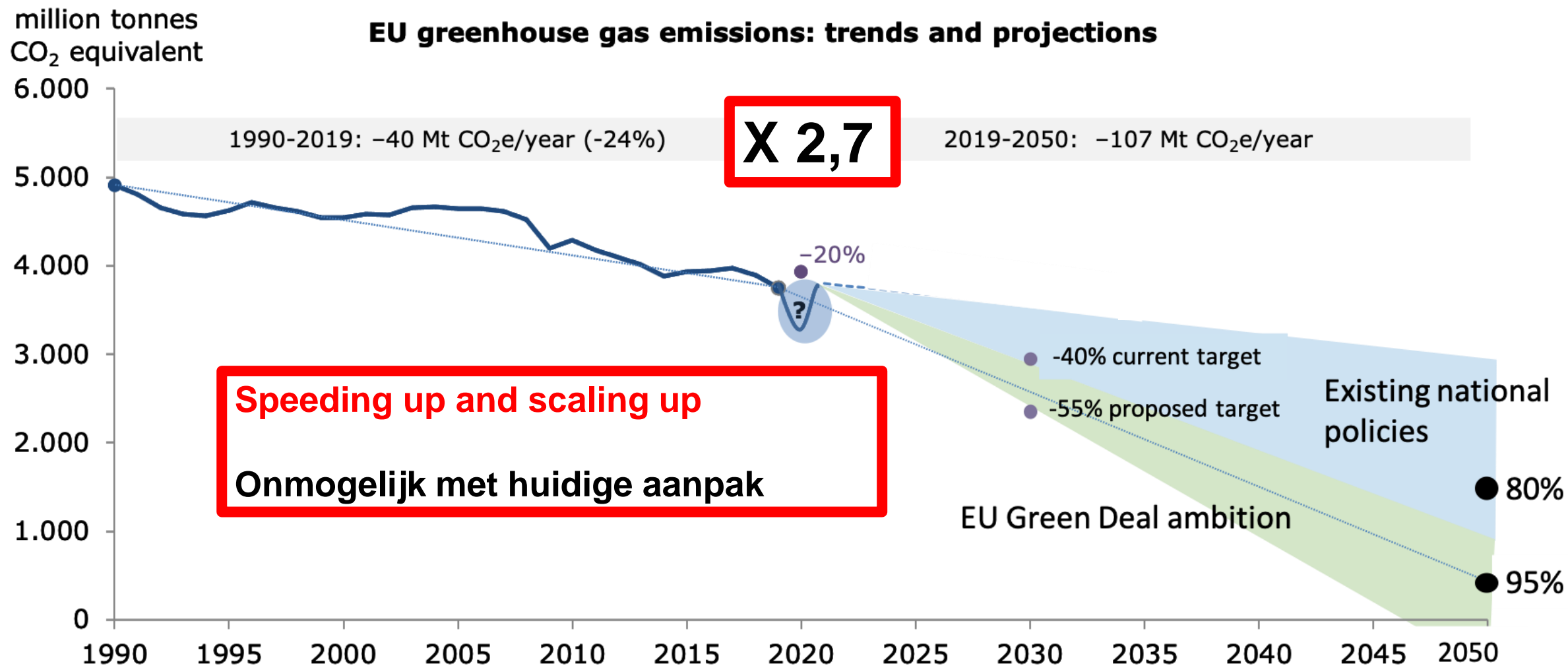
EUROPEAN CLIMATE LAW

2050

CO₂



Net zero emissions: verandering van **paradigma** noodzakelijk!



Bringing nature back into our lives

Restoration/herstel
Nature Based Solutions

EU 2030 Biodiversity strategy

May 2020
#EUGreenDeal



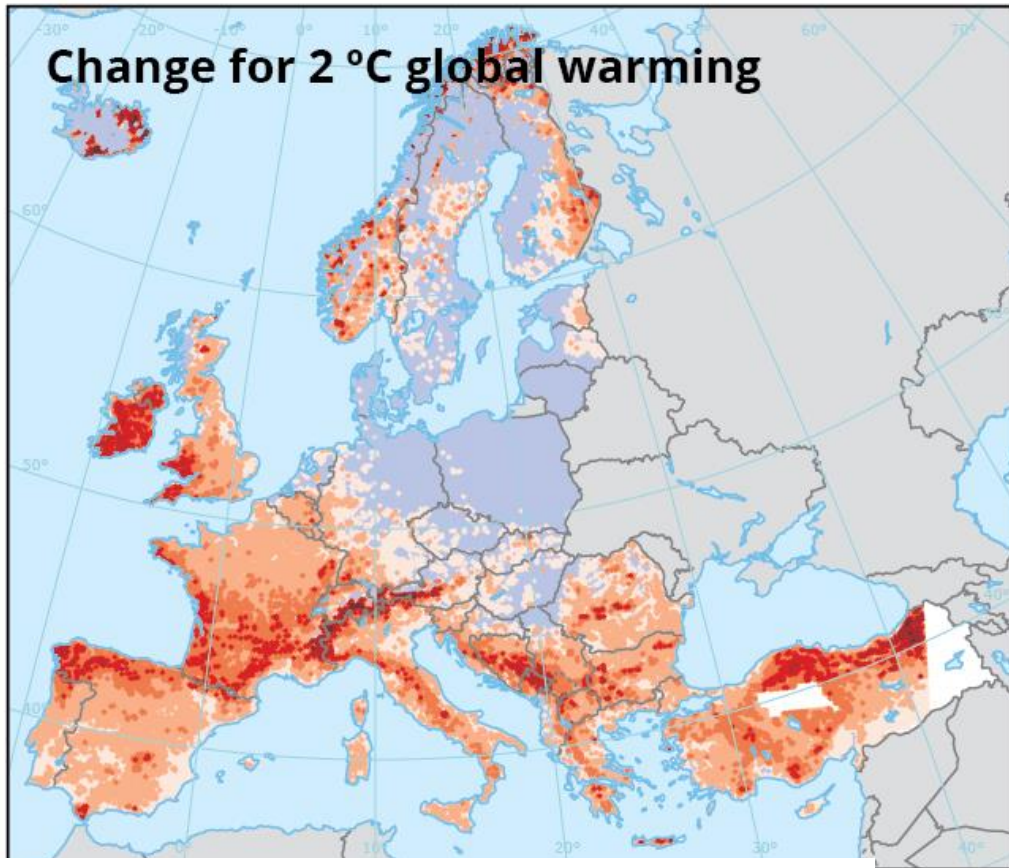
“Making nature healthy again is key to our physical and mental wellbeing and is an ally in the fight against climate change and disease outbreaks. It is at the heart of our growth strategy, the European Green Deal, and is part of a European recovery that gives more back to the planet than it takes away.”

Ursula von der Leyen, President of the European Commission

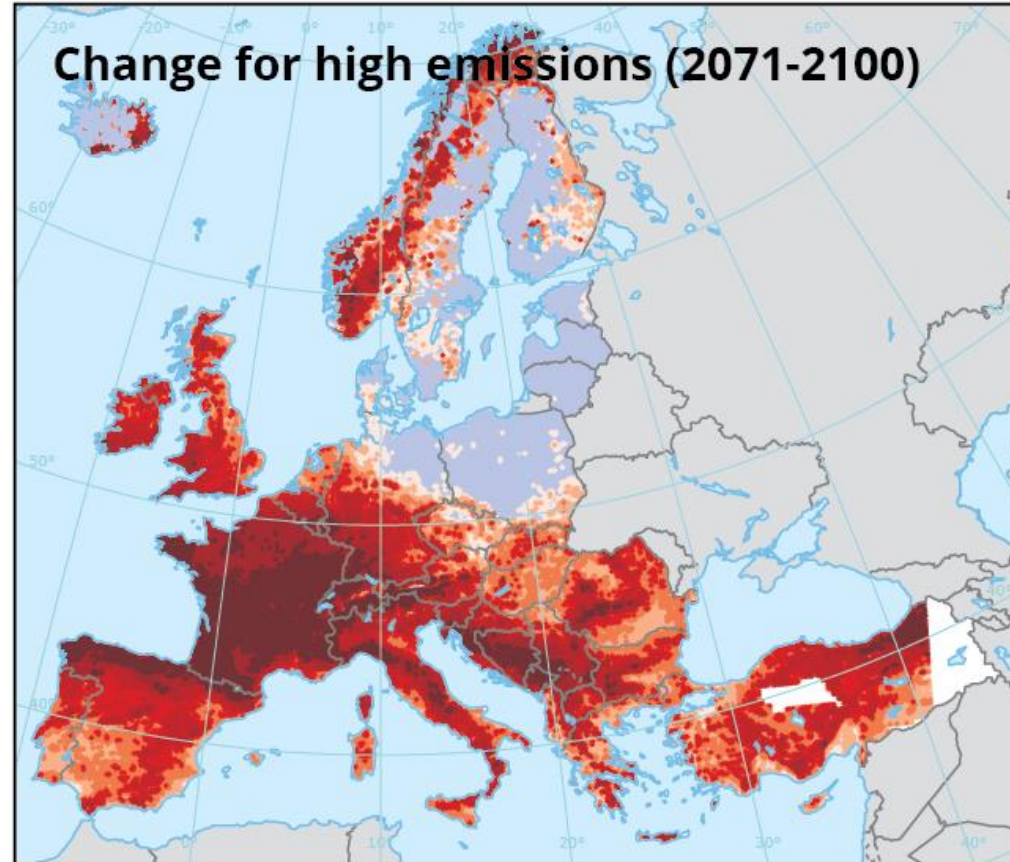
Neerslagpatronen wijzigen drastisch (2071–2100)



Low emissions scenario



High emissions scenario



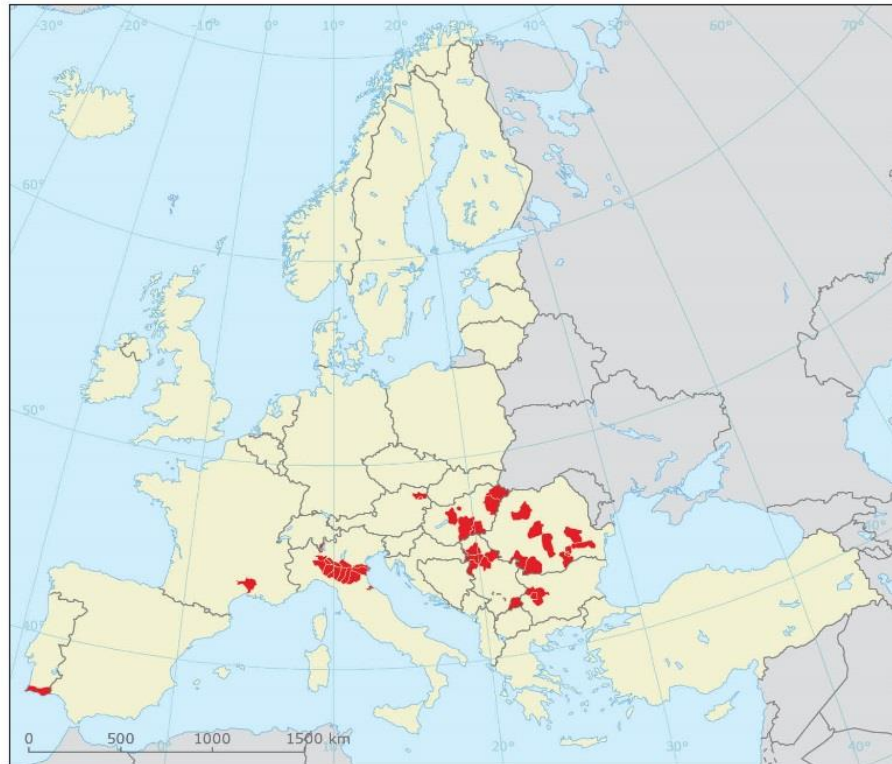
Projected change in fire weather index



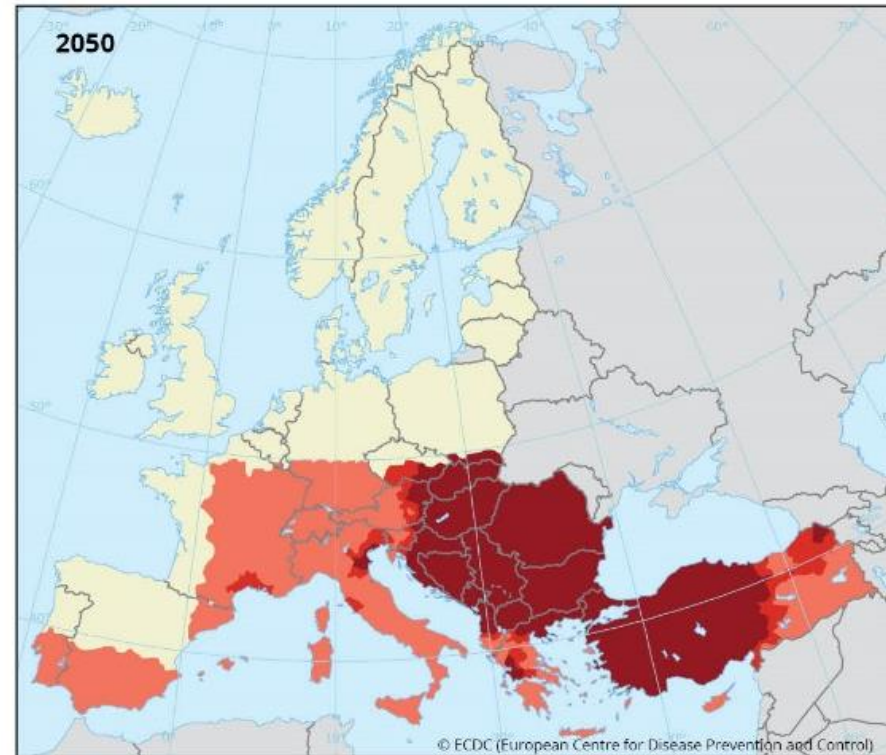
Based on Fire Weather Index (FWI)
Source: Joint Research Centre (JRC)



West Nile fever (2014)

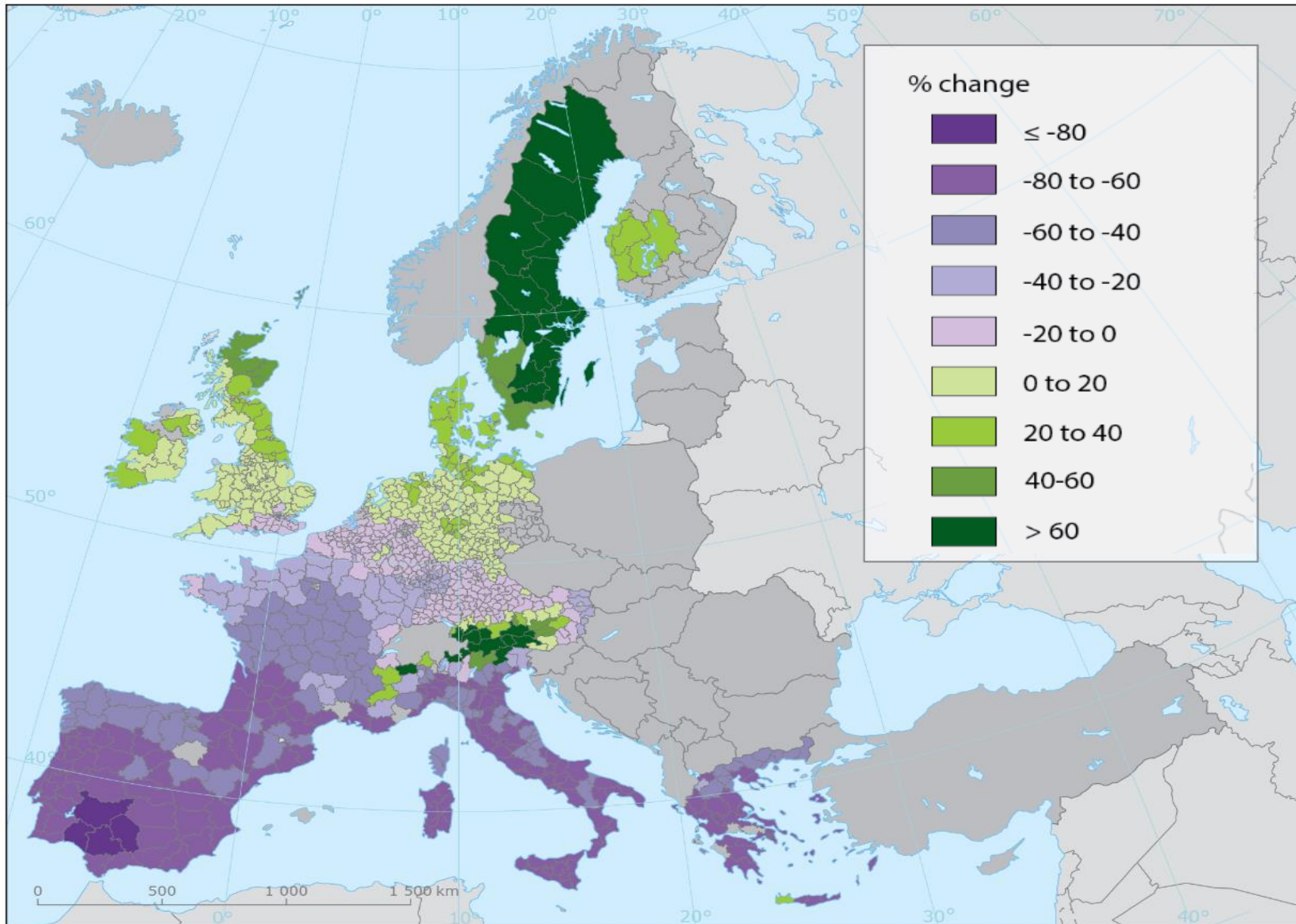


West Nile fever (projections for 2050)



Source: ECDC (Semenza et al. 2014)

Een socio-economische game changer



Gemodelleerde
veranderingen in
de waarde van
landbouwgrond
2100

Source: van Passel et al., 2017

Geo-politieke gevolgen van klimaatverandering...



“Make sustainable products the norm in the EU”

New circular economy action plan launched



Wat betekent dit?



SOER 2020: het Europese milieubeleid op een **kantelpunt**

1. Natural capital

2. Low carbon and resource efficient economy

3. Health and wellbeing

Past trends
(5-10 years)

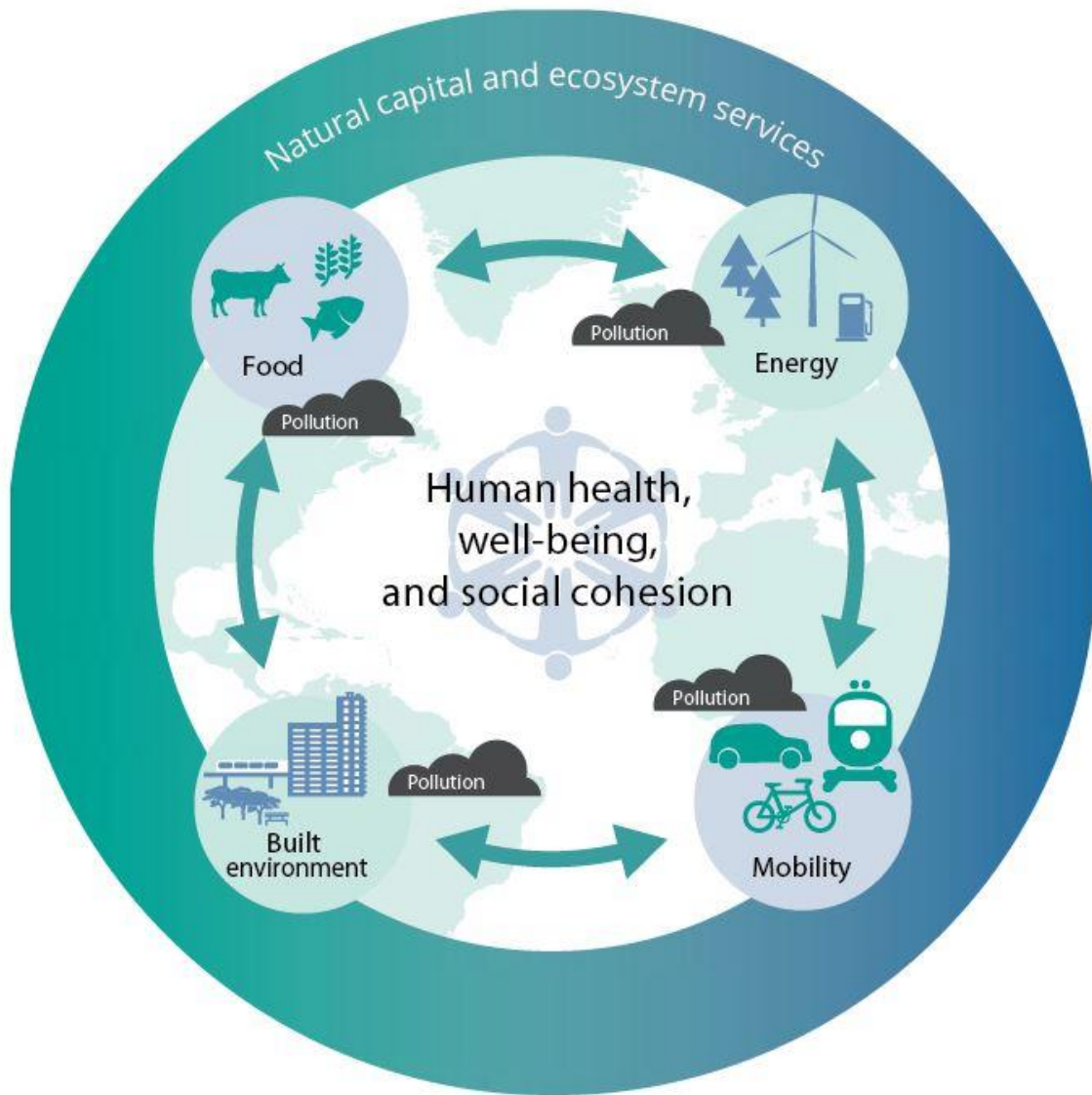


Outlook
To 2030

BAU+ niet langer een optie

- Terrestrial protected areas
- Marine protected areas
- EU protected species and habitats
- Common species
- Ecosystem condition and services
- Water ecosystems and wetlands
- Hydromorphological pressures
- State of marine ecosystems and biodiversity
- Pressures and impacts on marine ecosystems
- Urbanisation and land use by agriculture and forestry
- Air pollution and impacts on ecosystems
- Chemical pollution and impacts on ecosystems
- Climate change and impacts on ecosystems
- Material resource efficiency
- Circular use of materials
- Waste generation
- Waste management
- Greenhouse gas emissions and mitigation efforts
- Energy efficiency
- Renewable energy sources
- Emissions of air pollutants
- Pollutant emissions from industry
- Clean industrial technologies and processes
- Emissions of chemicals
- Water abstraction/pressures on surface and groundwater
- Sustainable use of the seas
- Concentrations of air pollutants
- Air pollution and impacts on human health
- Environmental noise and impact on human health
- Preservation of quiet areas
- Pollution pressures on water and links to human health
- Chemical pollution and risks to human health
- Climate change risks to society
- Climate change adaptation strategies and plans

Systemtransities als uitgangspunt



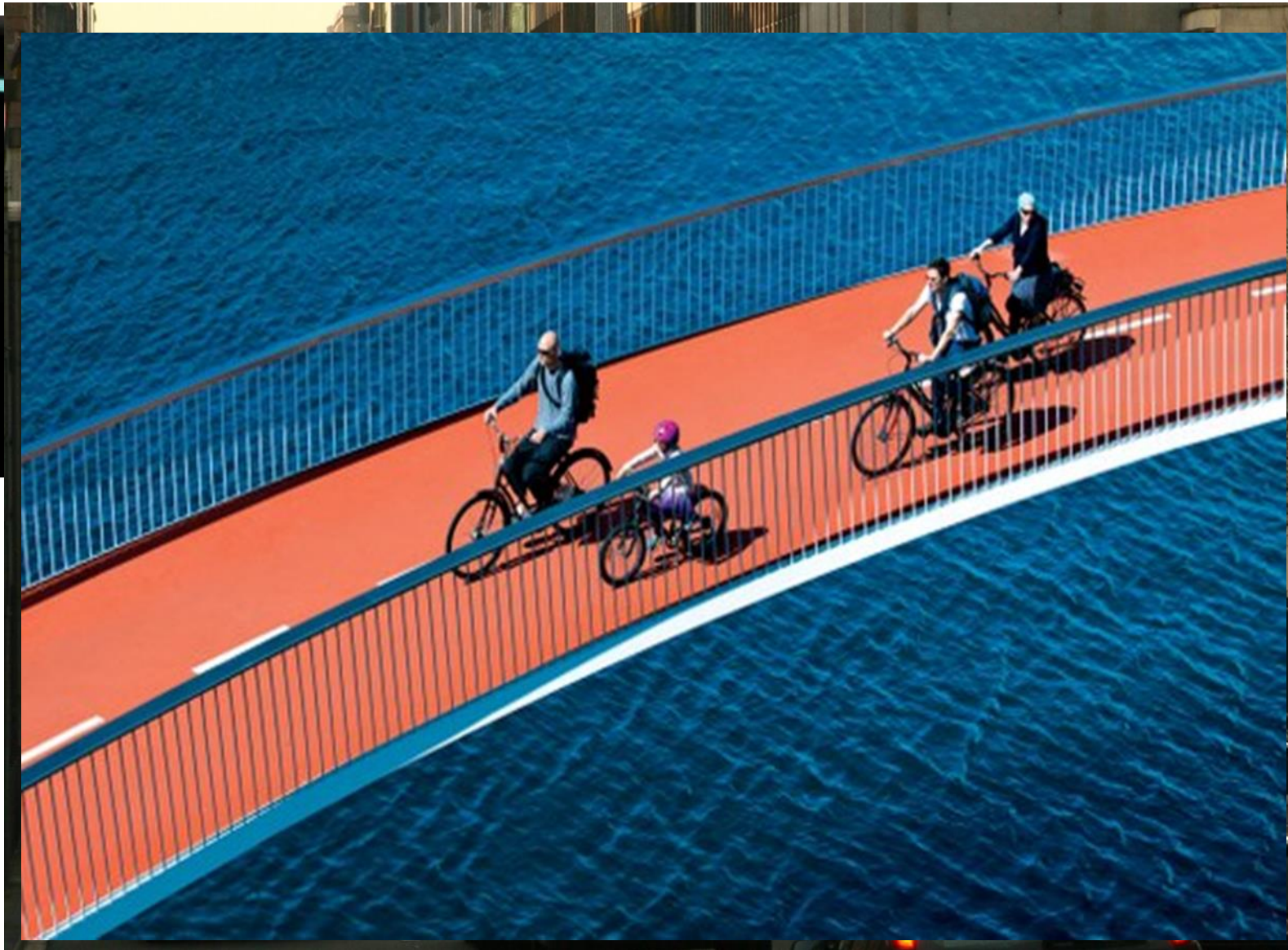
- Recognise fundamental **drivers** and system **interlinkages**
- Adopt transformative **policy frameworks**
- Fill **crucial policy gaps**:
 - Food
 - Land and soil
 - Chemicals
 - **Social dimension**
- Leverage the power of **cities, businesses and communities** for society-wide action



Enkele kenmerken van systemische uitdagingen en transitie

- Transformaties hebben een **'diep karakter**
- Geen **'silver bullets'** voor complexe uitdagingen
- We zijn vaak **'locked-in'** in **sociale praktijken en denkwijzen**
- Het is essentieel om bepaalde **barrières te overwinnen**

Silver bullet? Gefragmenteerde oplossingen werken niet

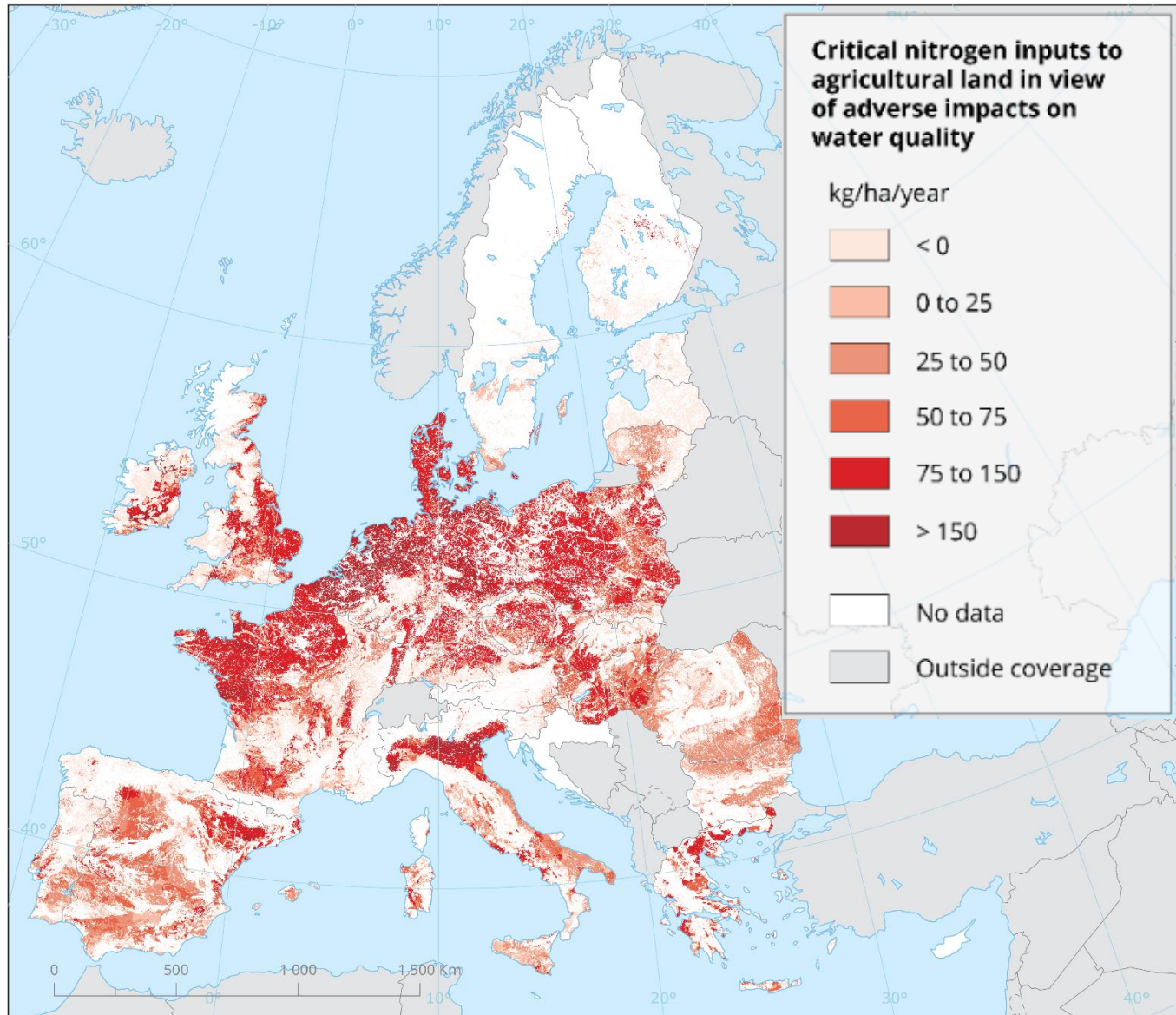


All Canada Photos/D. Reede

Nog een silver bullet?
De digitale **panacea**?

The background is a vibrant, abstract digital scene. It features a central perspective of a tunnel-like structure formed by glowing blue and cyan lines that recede into the distance. Scattered throughout the scene are numerous small, colorful particles and larger, glowing spheres in shades of red, yellow, and cyan. The overall atmosphere is futuristic and high-tech, with a strong emphasis on light and motion.

Klassieke beleidsintegratie werkt niet: voorbeeld GLB



- Unsustainable agriculture still main threat to biodiversity and natural capital in Europe
- Pollution of soil, water, air and food
- Over-exploitation of natural resources
- **Greening of the CAP shown to be ineffective**
- **Stikstofproblematiek**

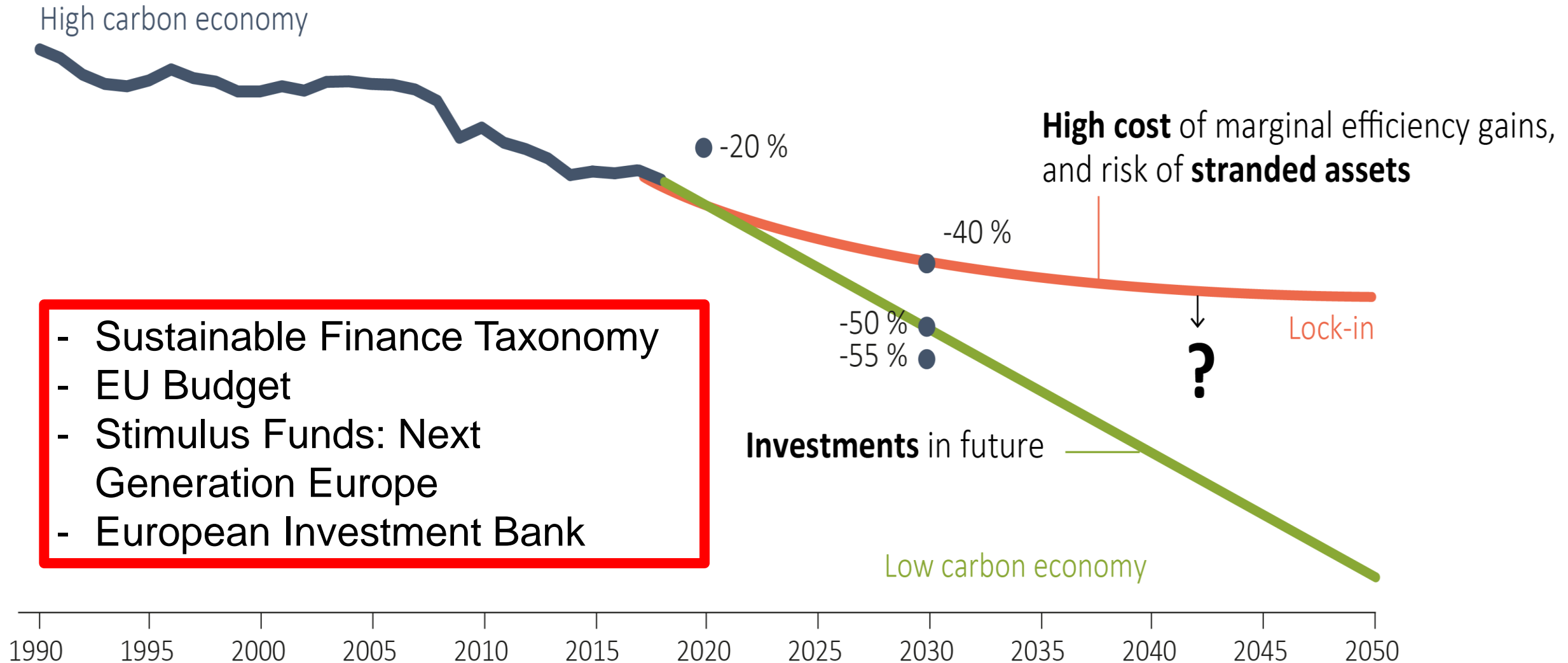
Lock-ins doorheen het system begrijpen



De kern van het systeem:
Investeringsen en (de rol van
verwachte)
kapitaal(sopbrengsten)



Investerings in duurzaamheid, niet in doodlopende straatjes



- Sustainable Finance Taxonomy
- EU Budget
- Stimulus Funds: Next Generation Europe
- European Investment Bank

De cruciale sociale dimensie



- Onderbelicht
- Zwakke kennisbasis
- Gekoppeld aan fundamentele verdelingsvraagstukken
- Link tussen Europa en de rest van de wereld

The Just Transition Mechanism (JTM) will primarily benefit regions and workers who are most affected by the transition towards a green economy.

THE JUST TRANSITION MECHANISM

Helping address the social and economic effects of the transition and workers who will face the greatest challenges.

FINANCIAL SUPPORT

- a new Just Transition Fund of investments;
- InvestEU "Just Transition" scheme, mobilising **€45 billion** of investment;
- a new public sector loan facility with the EIB backed by the EU budget, mobilising **€25-30 billion** of investments.

TRANSITION PLANS for beneficiary regions to steer the investments

ATTRACTIVE CONDITIONS and risk sharing for public and private investors

TECHNICAL ASSISTANCE via a Just Transition Platform to advise and support

Just Transition Fund

- **€7.5 billion** new funding
- match each € from the JTF with **€1.5-3** from the ERDF/ESF+
- national co-financing



December 2019
#EUGreenDeal

significant amounts of energy and



The current rates of renovation of public and private buildings should at least double

Better energy performance of buildings

Prices of different energy sources should incentivise **energy-efficient buildings**

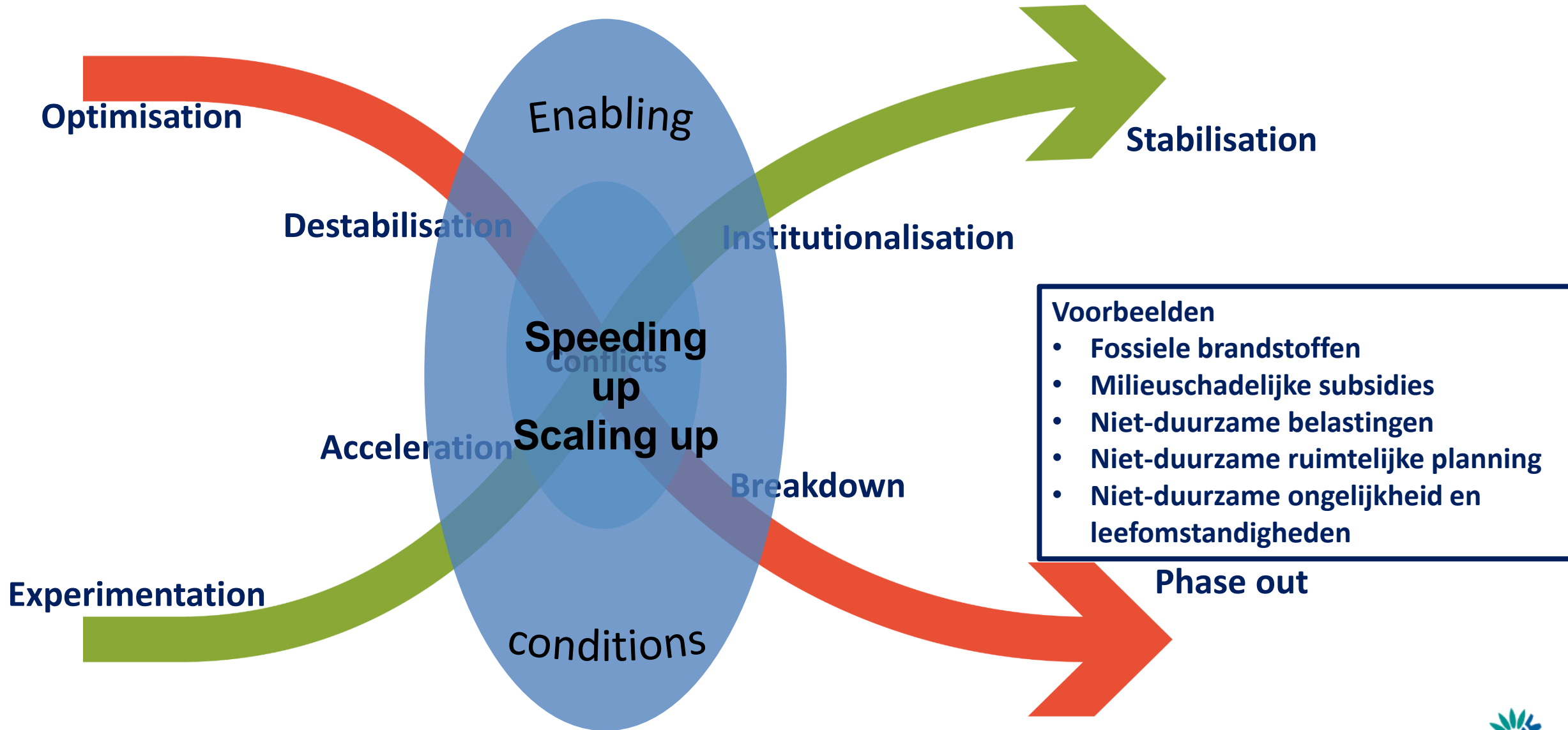
Design of buildings should be in line with the **circular economy**

Increased **digitalisation**

More **climate-proofing** of buildings

Strict enforcement of rules on **energy performance of buildings**

The 'x-curve': te weinig aandacht voor de **moeilijke faze**



Beleid voor 'wicked problems'



Based upon Rittel and Webber (1973)

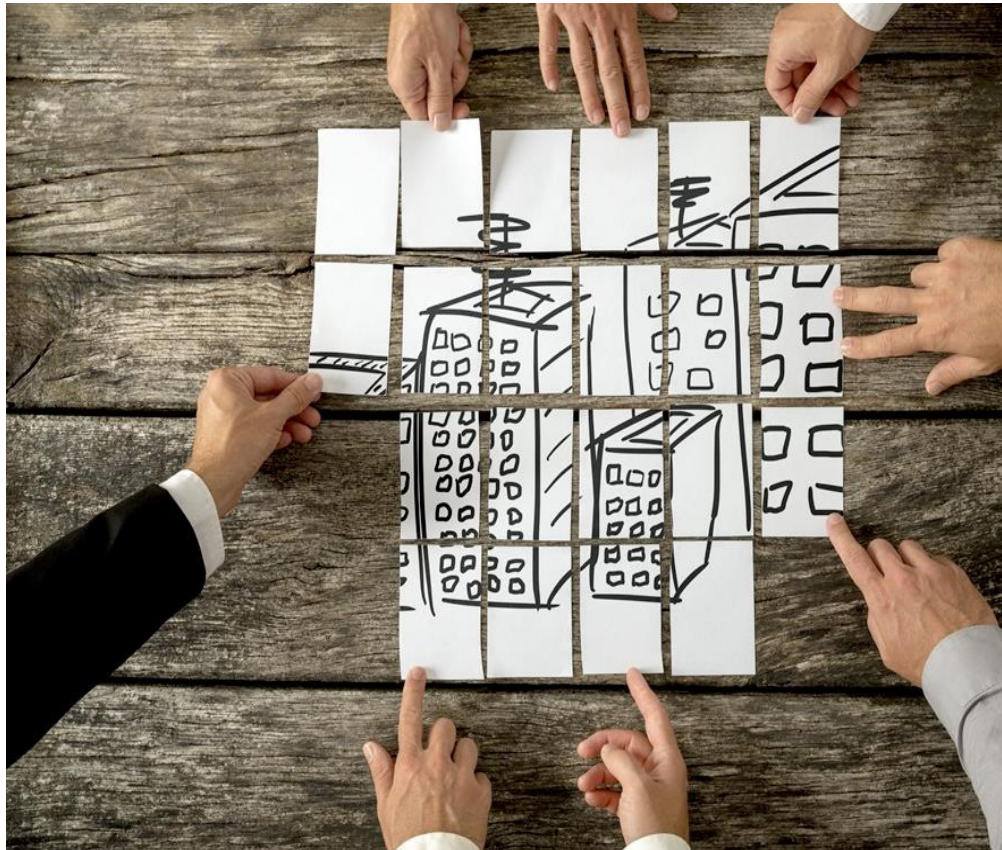
En zelfs 'Super-wicked' problems?

Bijkomende kenmerken:

1. Time is running out.
2. De toekomstdimensie is belangrijk maar slecht begrepen
3. Diegenen die de problemen trachten op te lossen, veroorzaken ze vaak ook.
4. Er is geen centrale autoriteit

(Kelly Levin, Benjamin Cashore, Graeme Auld and Steven Bernstein, 2012, *Policy Sciences*)

Het belang van de stedelijke en lokale duurzaamheidsagenda



- Meeste national en EU beleid heeft een stedelijke of lokale dimensie
- Drie kwart van de bevolking in steden
- Eigen bevoegdheden en politieke legitimiteit
- Integratoren– nabijheid en participatie



De EU Urban Agenda



URBAN AGENDA FOR THE EU



INCLUSION OF
MIGRANTS & REFUGEES



AIR QUALITY



HOUSING



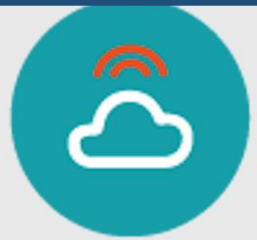
URBAN POVERTY



CLIMATE
ADAPTATION



ENERGY
TRANSITION



DIGITAL
TRANSITION



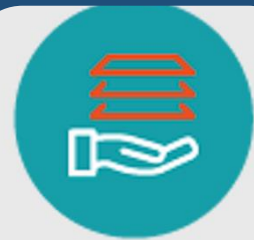
URBAN
MOBILITY



CIRCULAR
ECONOMY



JOBS & SKILLS
IN LOCAL ECONOMY



PUBLIC
PROCUREMENT

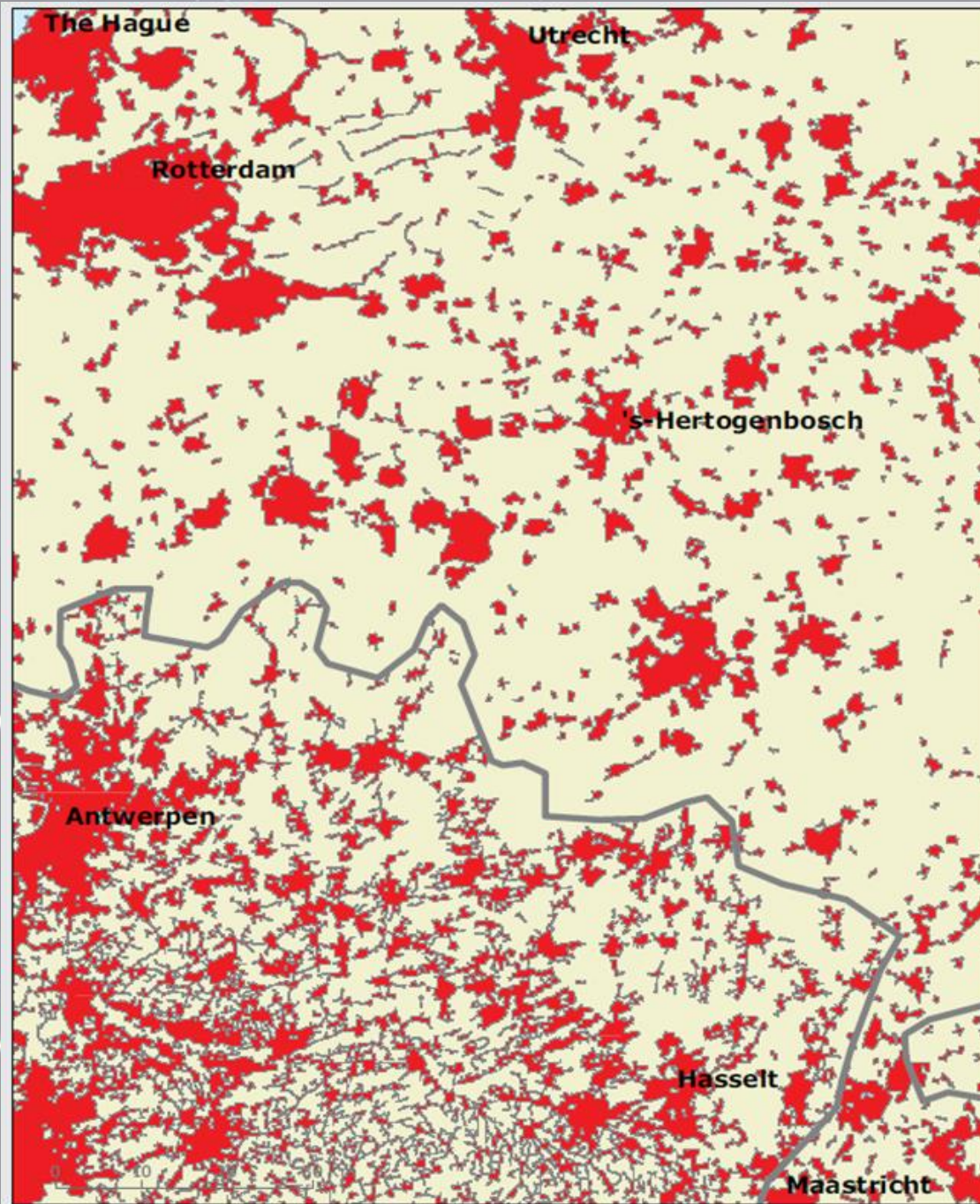


SUSTAINABLE USE
OF LAND AND
NATURE-BASED
SOLUTIONS

Woorden wekken, voorbeelden trekken

- Green Capital Award; Green Leaf Award
- Kenmerken:
 - Klimaatambities; energiekeuzes; adaptatie
 - Visie op groen en blauw in de leefomgeving
 - Mobiliteitskeuzes
 - Lokale kennis; Meten is weten
 - Co-creatie
 - Coherent beleid
 - Minstens middenlangetermijn beleid
 - Politiek leiderschap

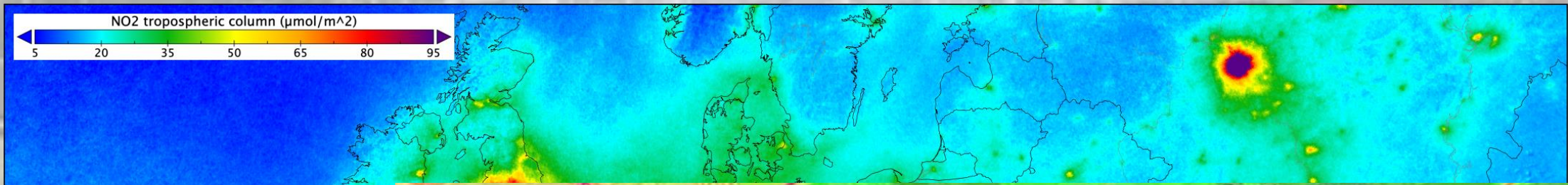




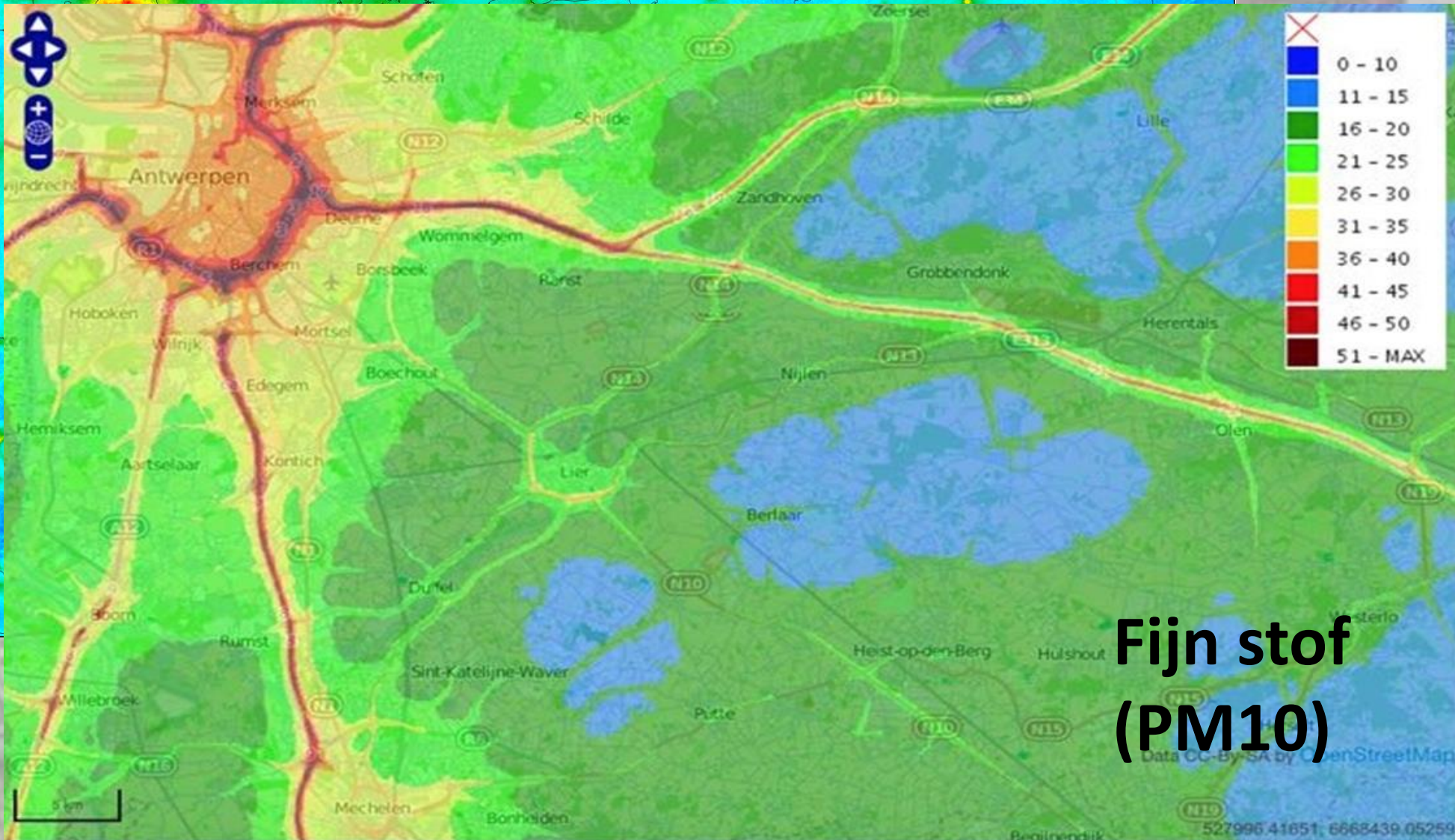
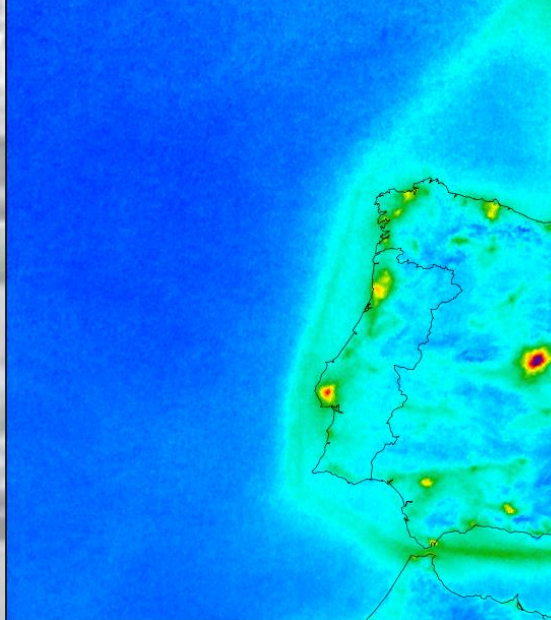
Example of different urban patterns in the neighbouring areas of the Netherlands (rather compact) and Belgium (rather sprawled), 2006

- Urban Morphological Zone (UMZ)
- Rural background
- Country border

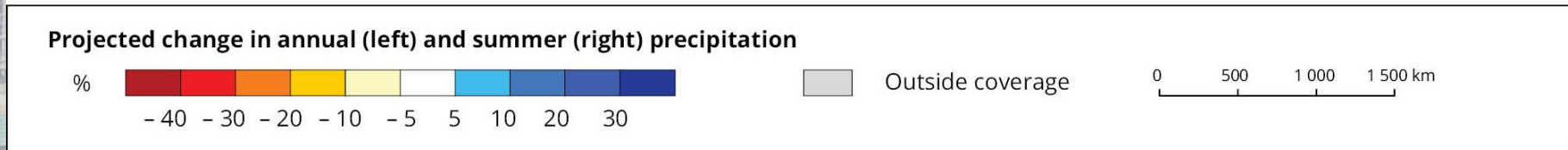
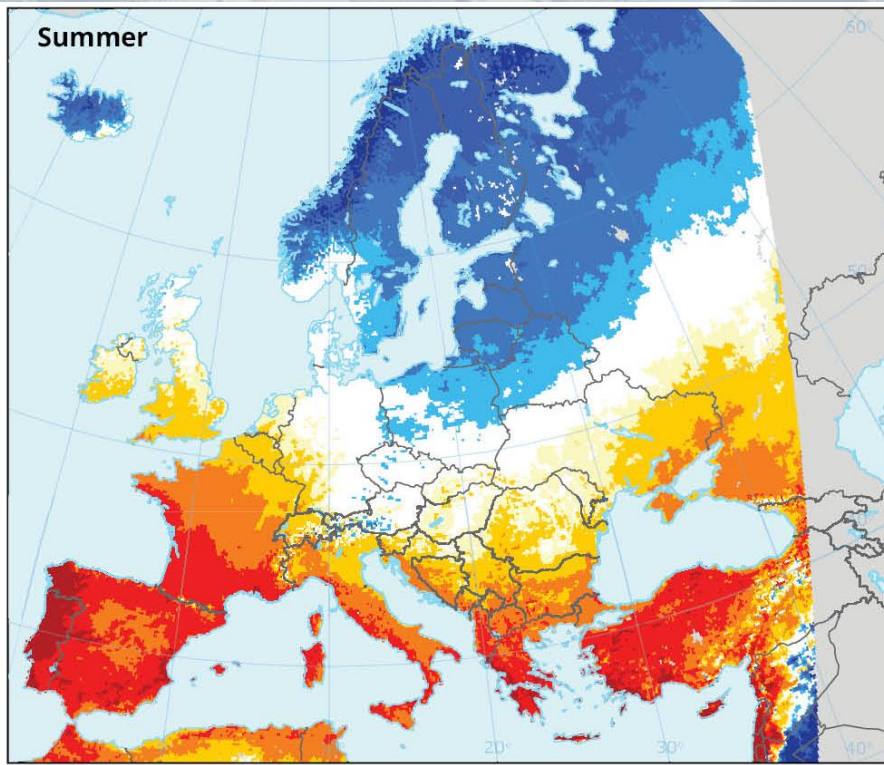
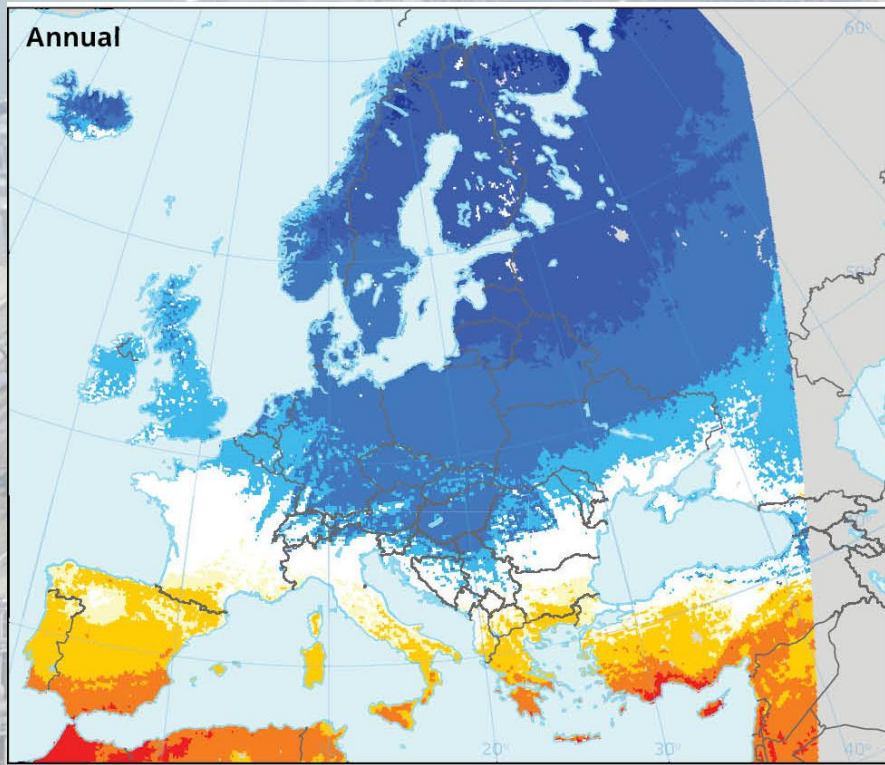
Source: EEA, based on Corine land cover.



NOX emissions



Fijn stof (PM10)





Door de bomen het bos? Alvast geen probleem in Antwerpen...









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De post-fossiele stad

Herdenken, her(ruimtelijk)plannen van
Mobiliteit
Energie
Voedsel
Wonen
Economie

