Imagining a nature-based future for Europe in 2120

Mansholt lecture 2023

20 September 2023 Tim van Hattum and many others

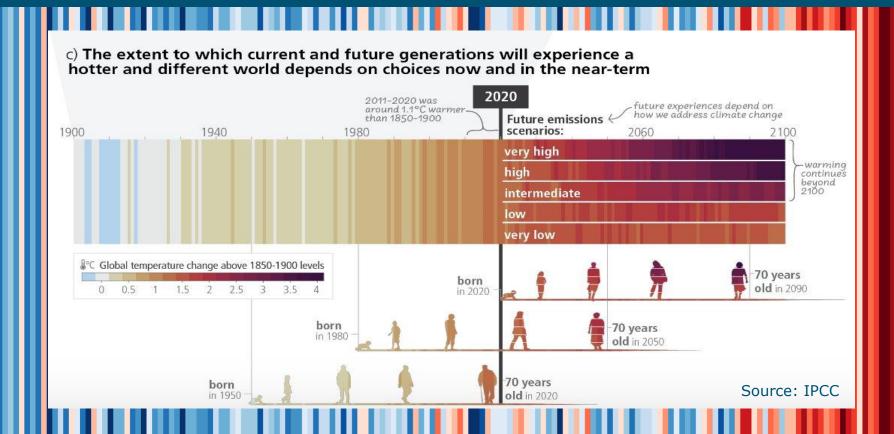




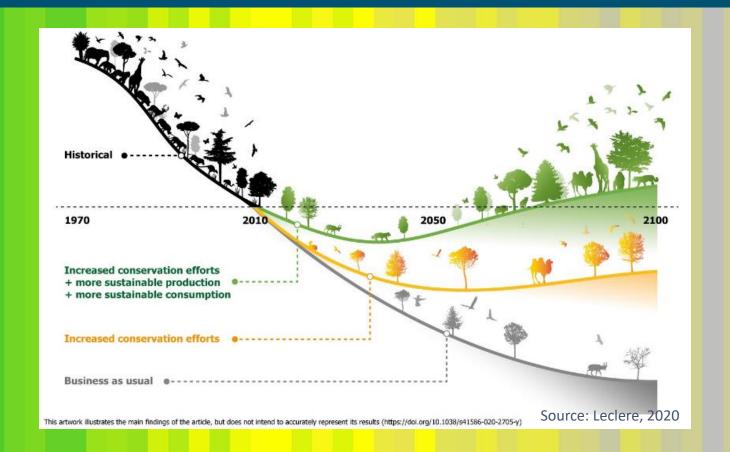




Europe is a hotspot for climate change



Europe's state of nature is declining fast



Climate and biodiversity need an integrated approach

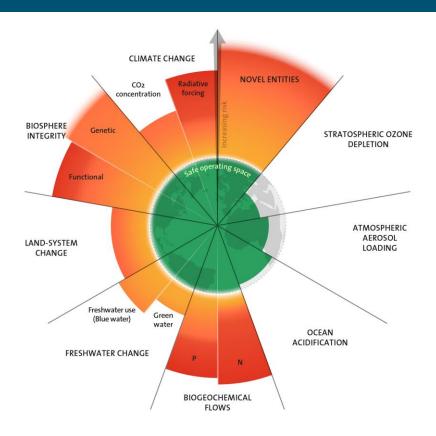
CLIMATE CHANGE

SOLVE BOTH OR SOLVE NEITHER

BIODIVERSITY LOSS

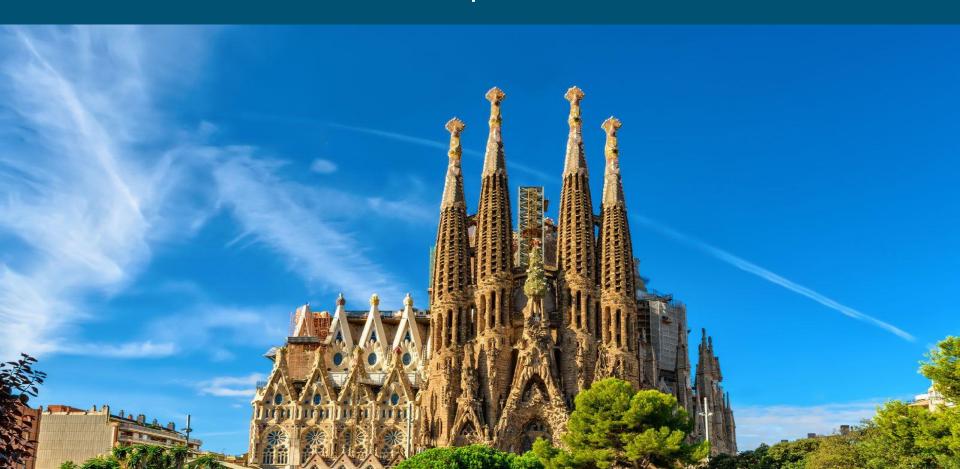
Global Climate Stripes, 1850-2021. Data: UK Met Office

Six planetary boundaries crossed

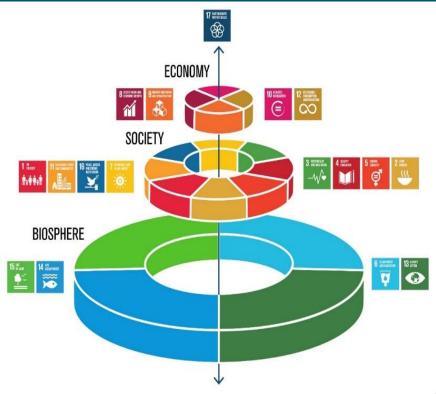




We need a narrative of hope and action



Towards a safe and just operating space



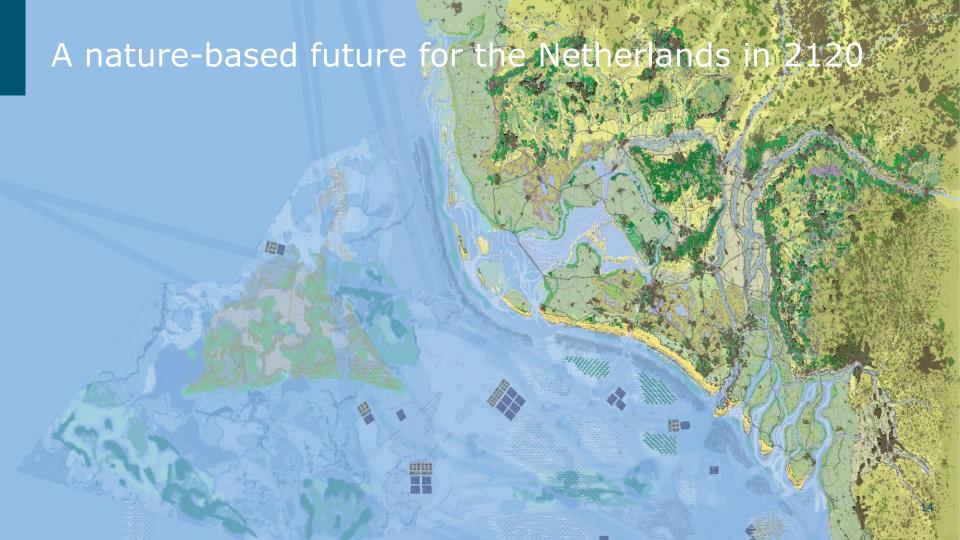


Completes by Berber Springer

Nature-based solutions: protect and restore nature







Need for a hopeful perspective

Binnenland 9

deVolkskrant





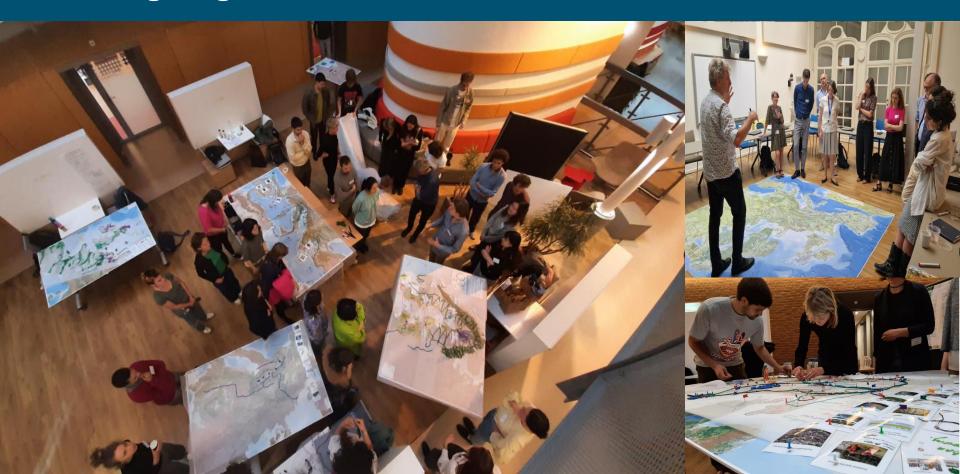




Can we imagine a nature-based Europe?



Co-designing the future we want



Five Eco-regions

- 1. North: Arctic and Boreal biogeographical region, including Baltic Sea
- 1. West: Atlantic biogeographical region, including North Sea and Atlantic Ocean
- 2. East: Continental biogeographical region, including Black Sea
- 3. Central: Alpine and Pannonian biogeographical region
- 4. South: Mediterranean biogeographical region, including Mediterranean Sea





Five guiding principles

1. A healthy biosphere as the cornerstone for Europe's future

Water and soil as guiding principles

2. Adaptive and resilient

Working with nature and continuously adapting to a warming world

3. A climate-positive and circular bioeconomy

A paradigm shift

4. A nature-positive society

Regenerating biodiversity and nature inclusiveness as the norm

5. Inclusive and just

Locally embedded and cherishing cultural differences

Systemic and integrative





Healthy water and soil

• Blue green landscapes as sponges

 More space for rivers as ecological corridors through European landscapes

Restored wetlands and nature-based coastal protection



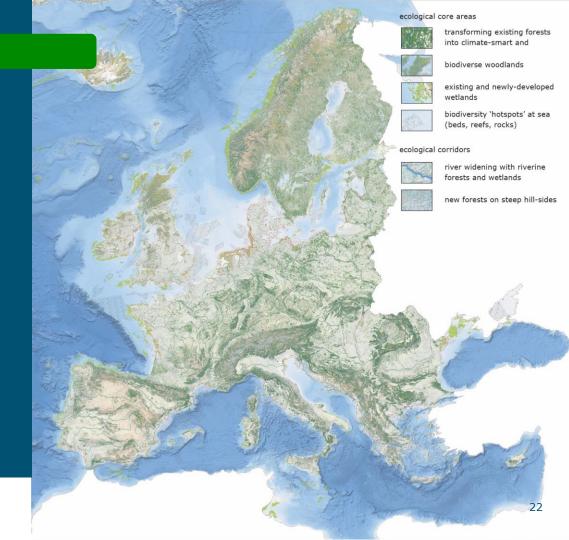


Connected resilient nature

 At least 30% of sea and 30% of land is now protected and restored nature

 Network of ecological 'rewilding' corridors connects European nature

Climate smart new and existing forests





Regenerative food & primary production systems

 Healthy soils provide the basis for producing healthy – mainly plant-based
food using agro-ecological principles

- Farmers as stewards of European biodiverse landscapes
- Food production at sea & saline agriculture in coastal areas



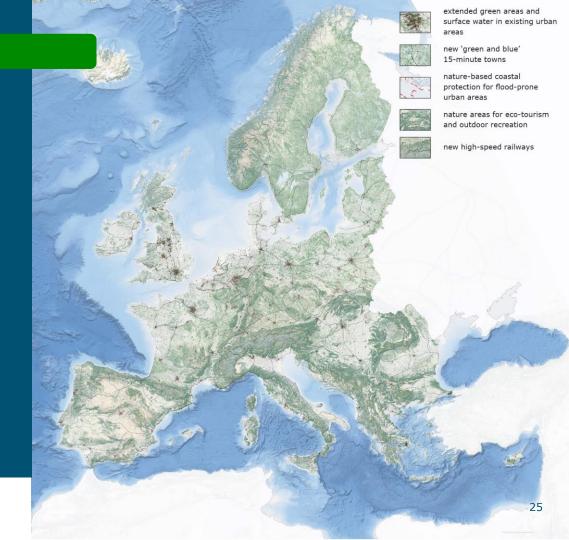


Green and liveable cities

• Walkable 15-minute cities for people

 Green and healthy cities with green public spaces, urban forestry and open water

 High speed rail network connecting European cities

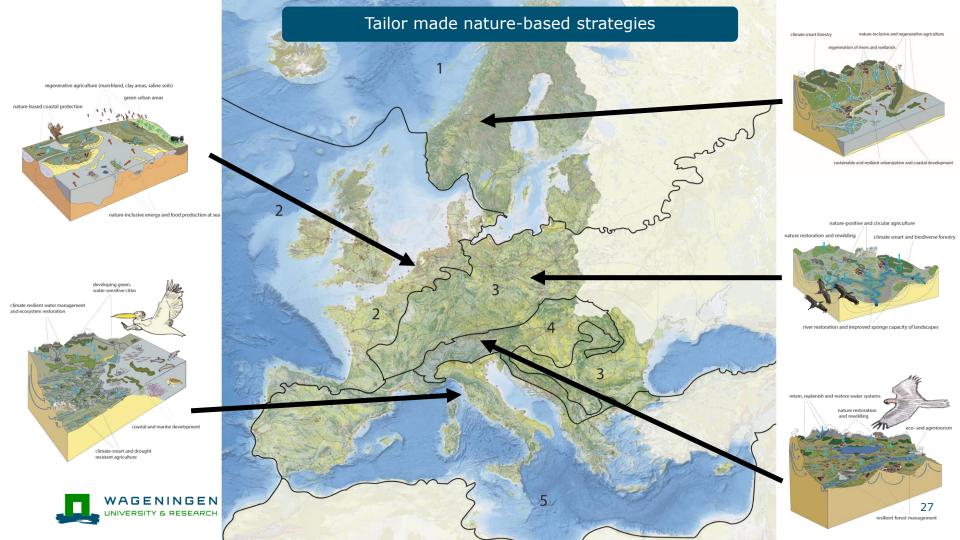




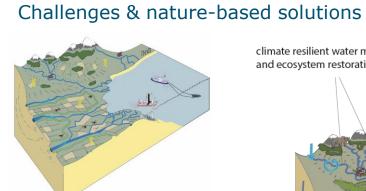
Europe in 2120

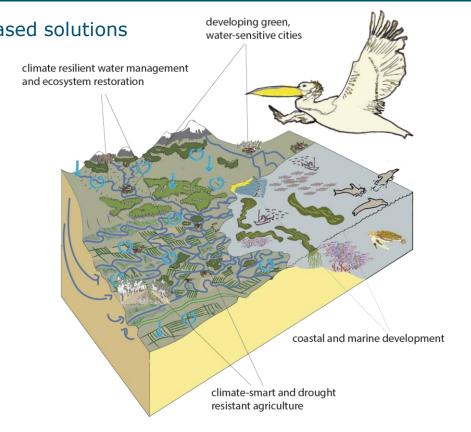






South: the Mediterranean region



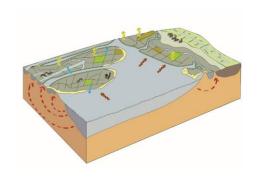


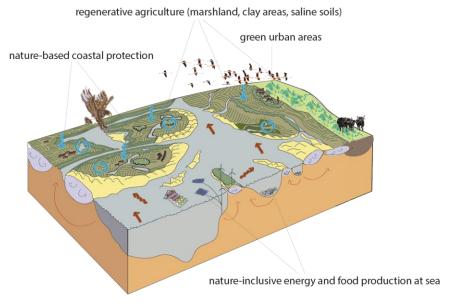




West: the Atlantic region

Challenges & nature-based solutions







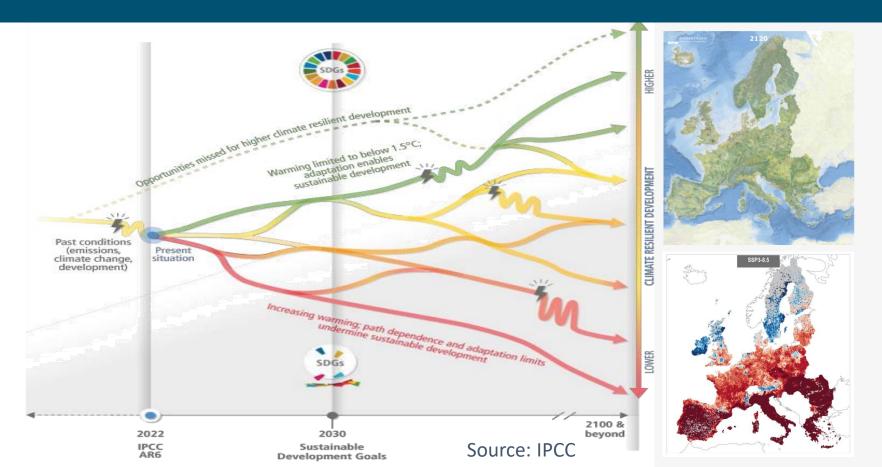


Accelerating a nature-based transition

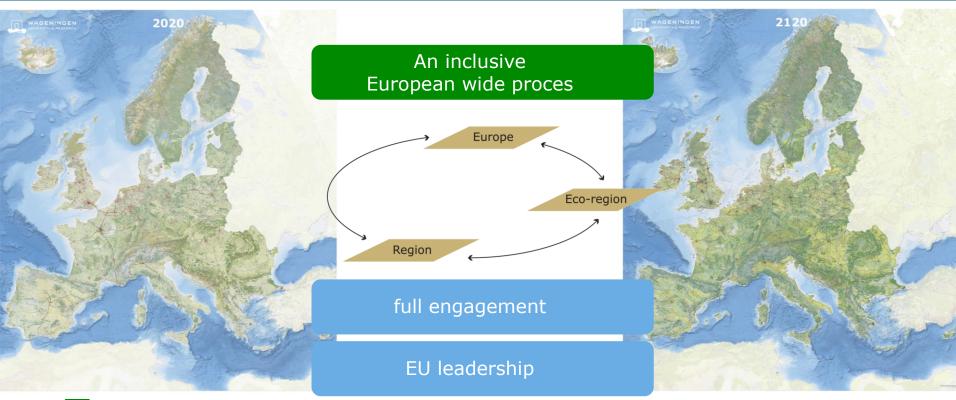




The future starts today



Co-designing nature-based futures together







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Thanks for your attention

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Download:

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