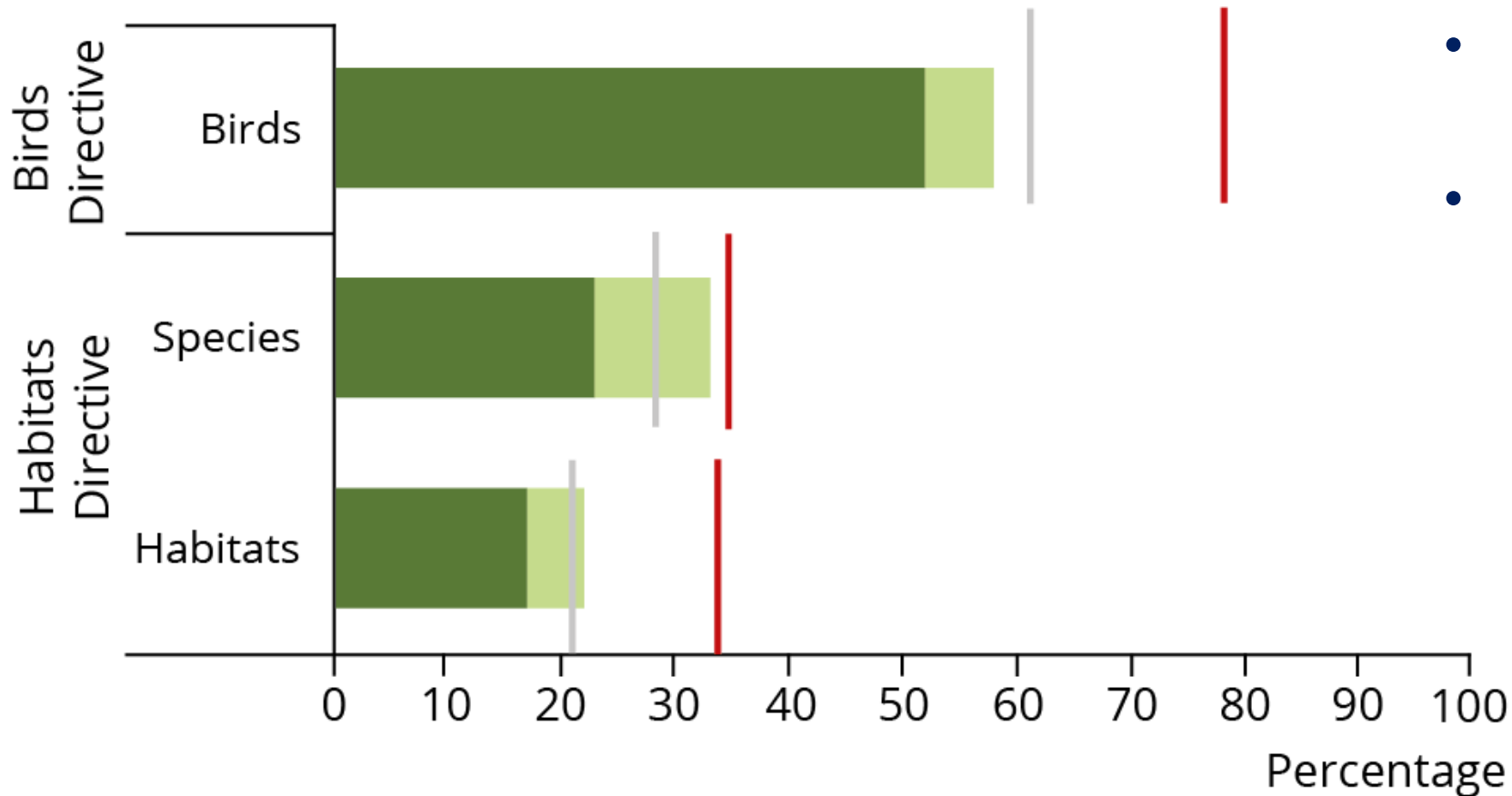




Biodiversity in Europe: The State of Nature and objectives to 2030

Hans Bruyninckx | New Policies, Practices and Science for Biodiversity | 15 December 2021

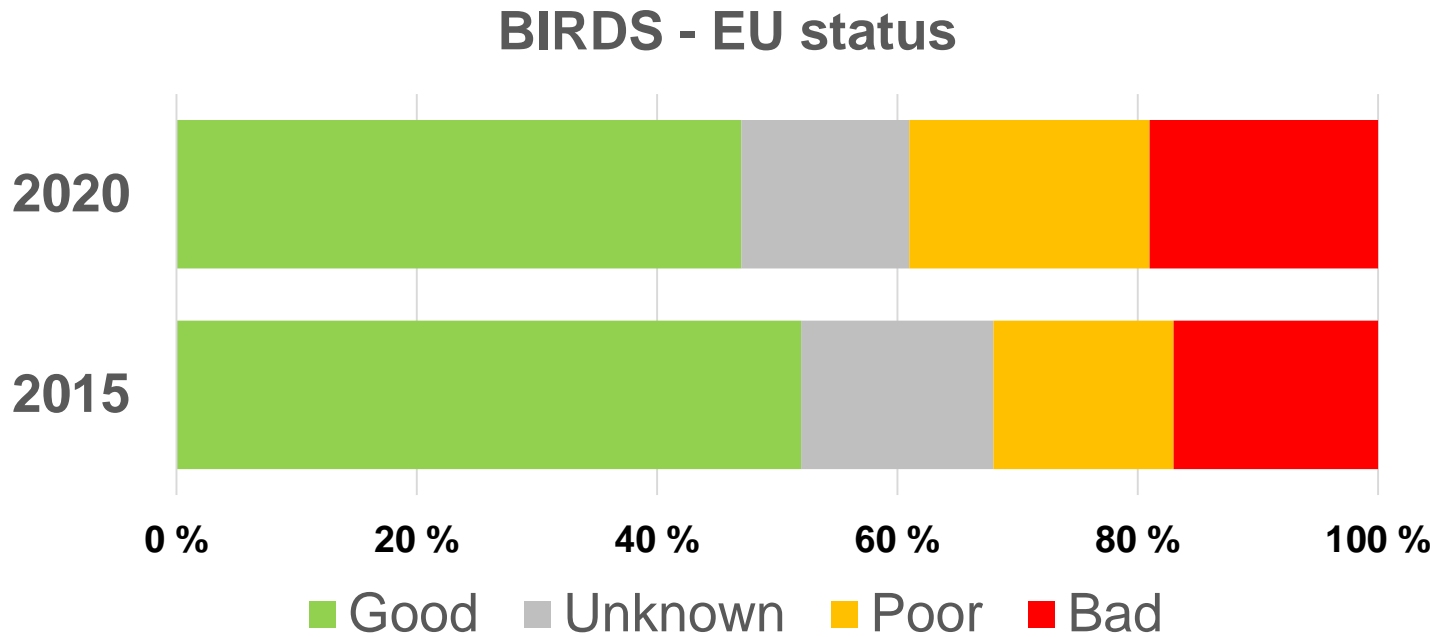
Target 1 (good status or improving trend): not reached



- Little progress since 2010 (light green)
- 1/3 of species & habitats not good and further deteriorating

■ Baseline 2010 ■ Final 2020 — Mid-term 2015 — Target 2020

Birds Directive: conservation status and trends



Status compared to 2015

- **Good: -5 %**
- **Poor and bad: +7 %**

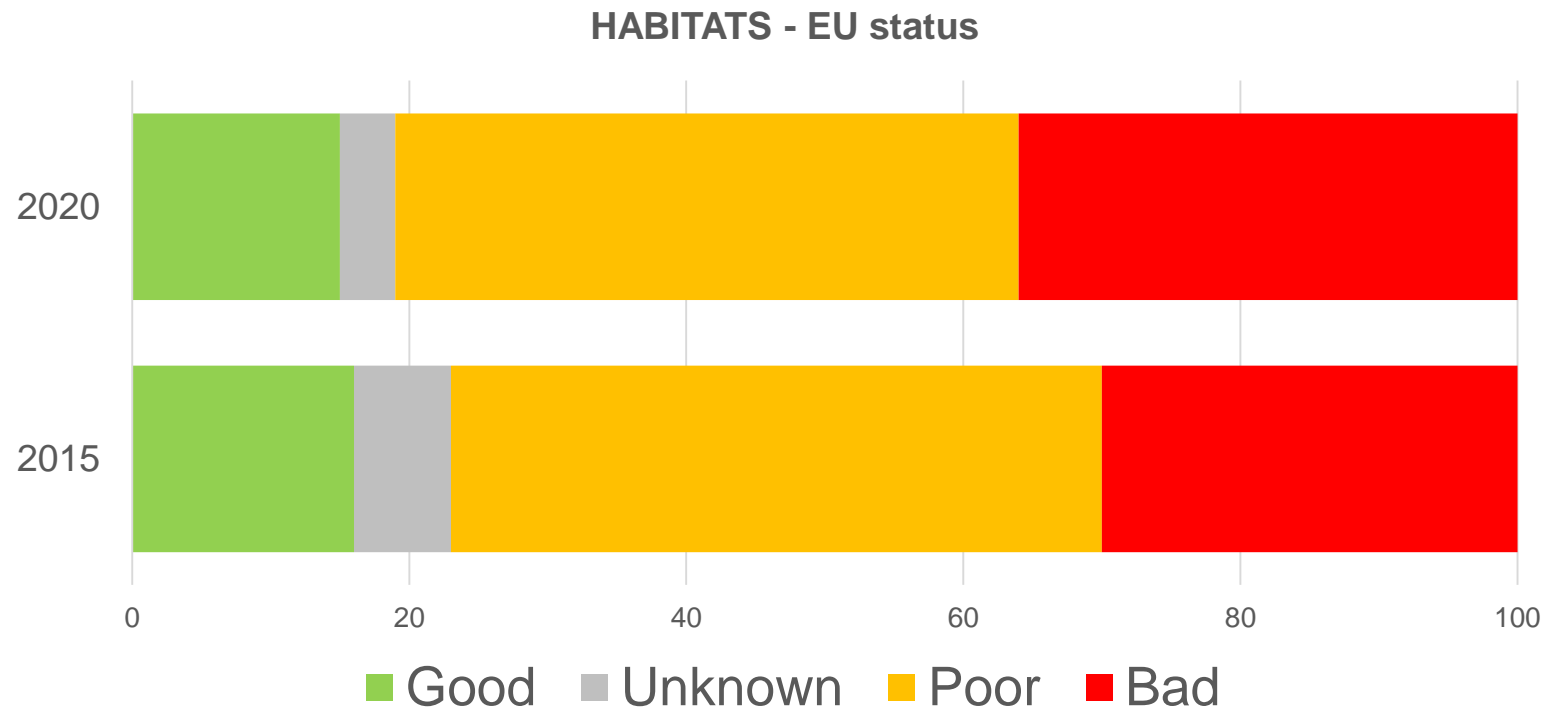
Populations trends of breeding birds:

- 28 % increasing
- 30 % decreasing
- 30 % stable

Deteriorating status for:

- 54 % farmland birds
- 17 % forest birds

Habitats Directive: conservation status and trends



Status trends

- 9 % improving
- 36 % deteriorating
- 21 % unknown

Status compared to 2015

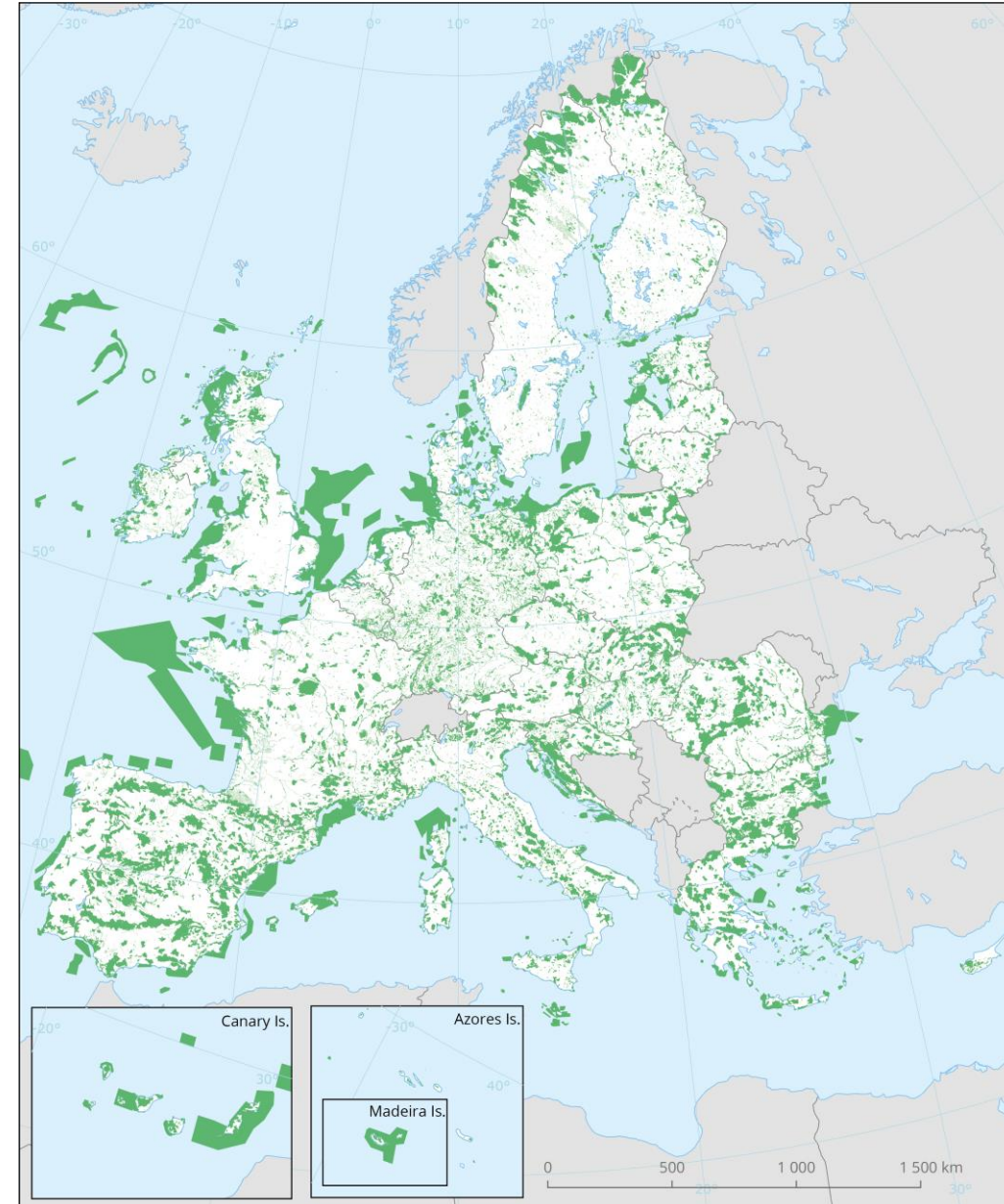
- **Good: -1 %**
- **Poor and bad: + 4 %**

Natura 2000 & conservation status

- 27,852 sites
- 1,358,125 km²
- 18 % of land cover; 10 % of sea cover

Uneven coverage of species and habitats

- Plants: 90 %
 - Birds: (breeding) 48 %
 - Forest habitats 56 %
 - Marine species: 43 % (mammals), 4 % (turtles)
-
- **Highly covered habitats (>75 %) show more improvements and less deterioration**
 - **Full potential of the network not yet achieved**
 - **Lacking management practices**



Bringing nature back into our lives

EU 2030 Biodiversity strategy

Protect
Restore
Benefit: NBS

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

Restoration

Restoration of habitats and species

- Improve status and trends
- (Re)-create lost areas of habitats (quantity)
- Improve condition (quality)
- For example – Annex I carbon-rich habitats
 - Minimum 9 000 km² to be recreated
 - Minimum 118 000-189 000 km² to be improved

No restoration (quantity and quality) without **addressing pressures** (beyond 'protected areas')

Agriculture (abandonment of grasslands & intensification)



Urbanisation and leisure
Fragmentation



Alien invasive species



Alteration of water regimes



Forestry



Illegal killing and hunting



Climate change



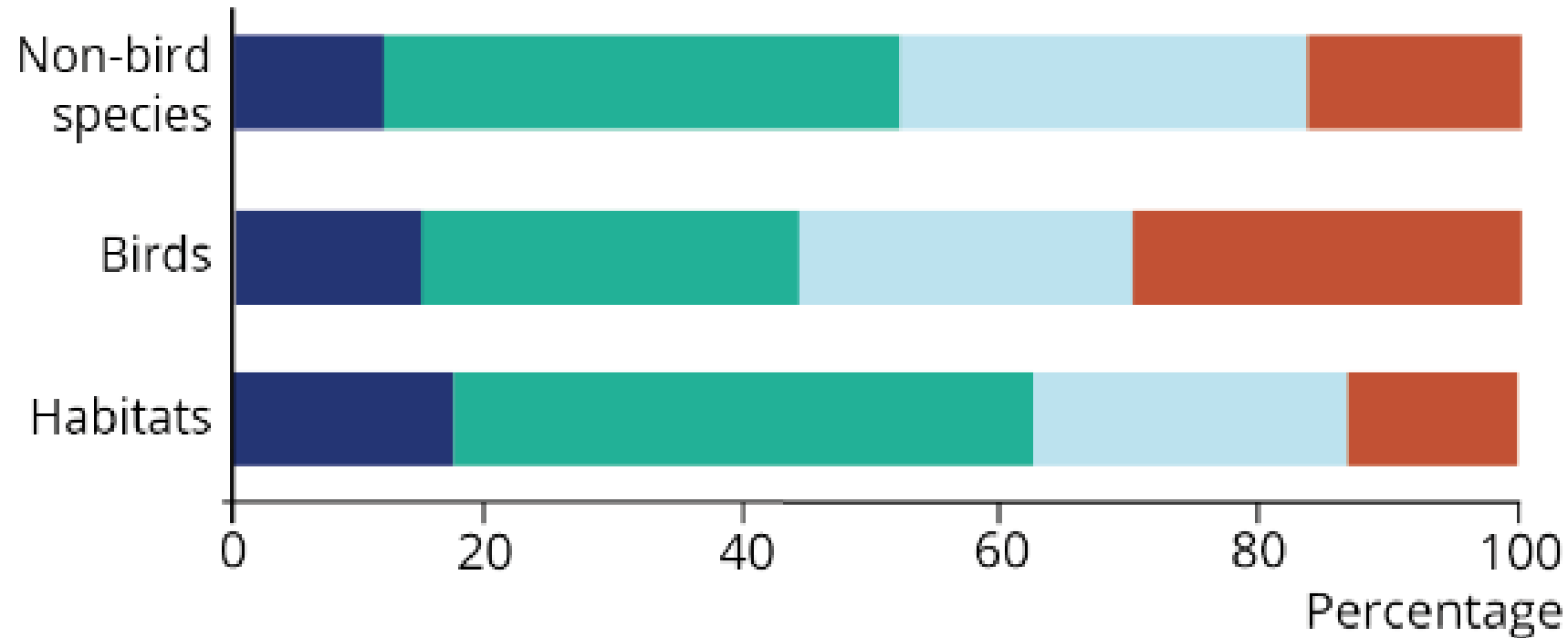
Agriculture (pollution; practices with impact on soil BD)



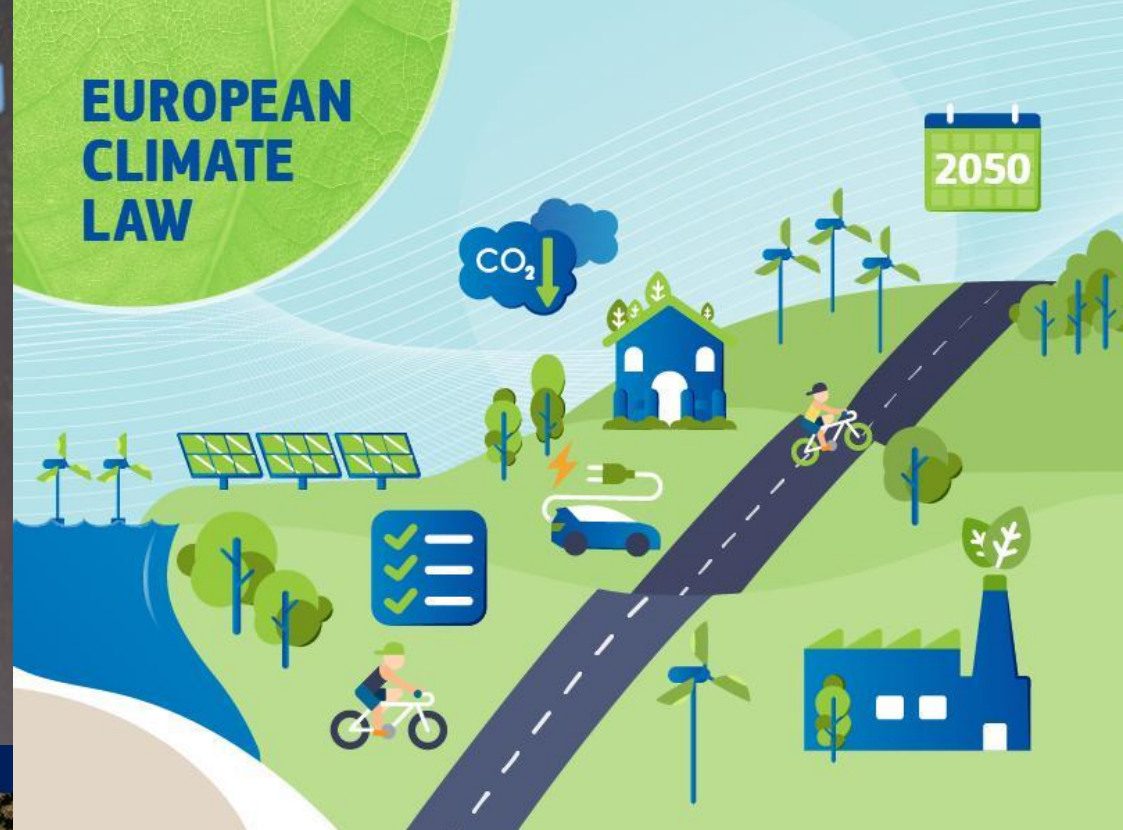
Addressing pressures: conservation measures

**Over 6,000 targeted conservation measures:
mostly to maintain or restore status**

- Nearly 20 % are targeted agricultural activities
- Improvements mostly local
- Measures need to be scaled up!

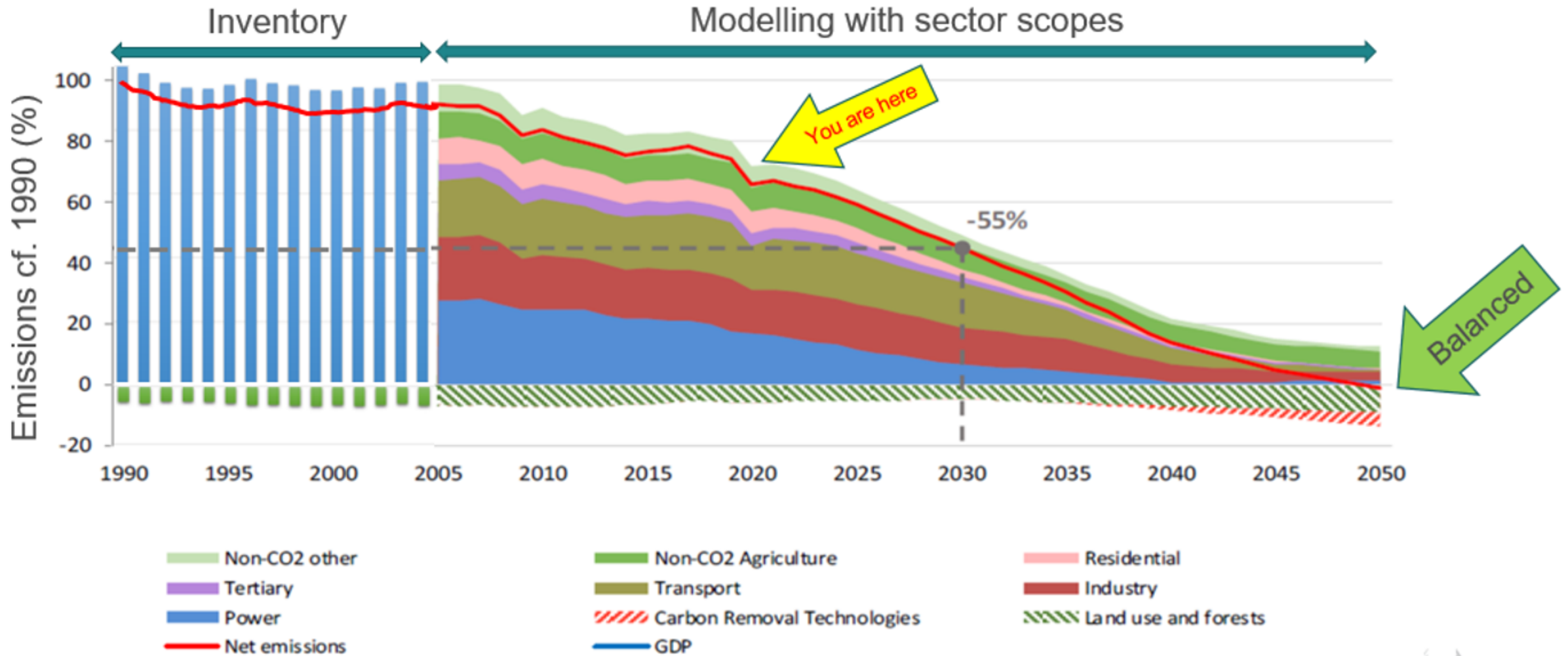


■ Measures taken to restore the status ■ Measures not taken
■ Measures taken to maintain the status ■ Measures not needed



EU Pollinators Initiative

EU climate law, fit for 55 package and the journey to net zero



Still a way to go on emissions and removals



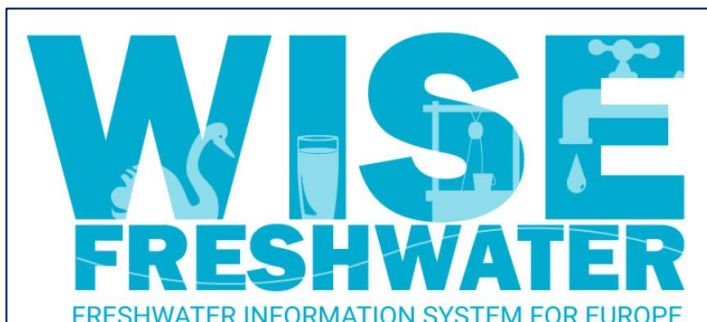
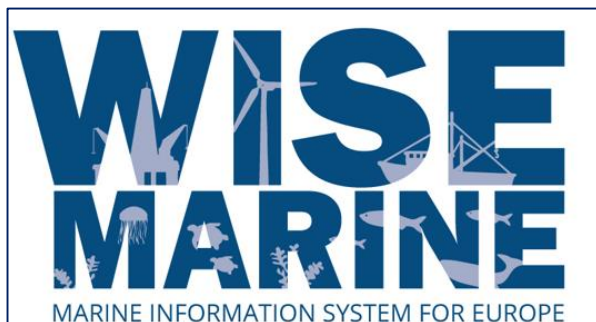
Knowledge Centre for Biodiversity



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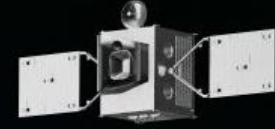


Knowledge at the heart of progress to 2030



A new frontier of monitoring

FULL, FREE AND OPEN
ACCESS TO DATA



Coordination of in situ
EIONET data across
services



Implementation of
European and local land
monitoring



ATMOSPHERE MONITORING



MARINE ENVIRONMENT MONITORING



LAND MONITORING



CLIMATE CHANGE



EMERGENCY MANAGEMENT



SECURITY



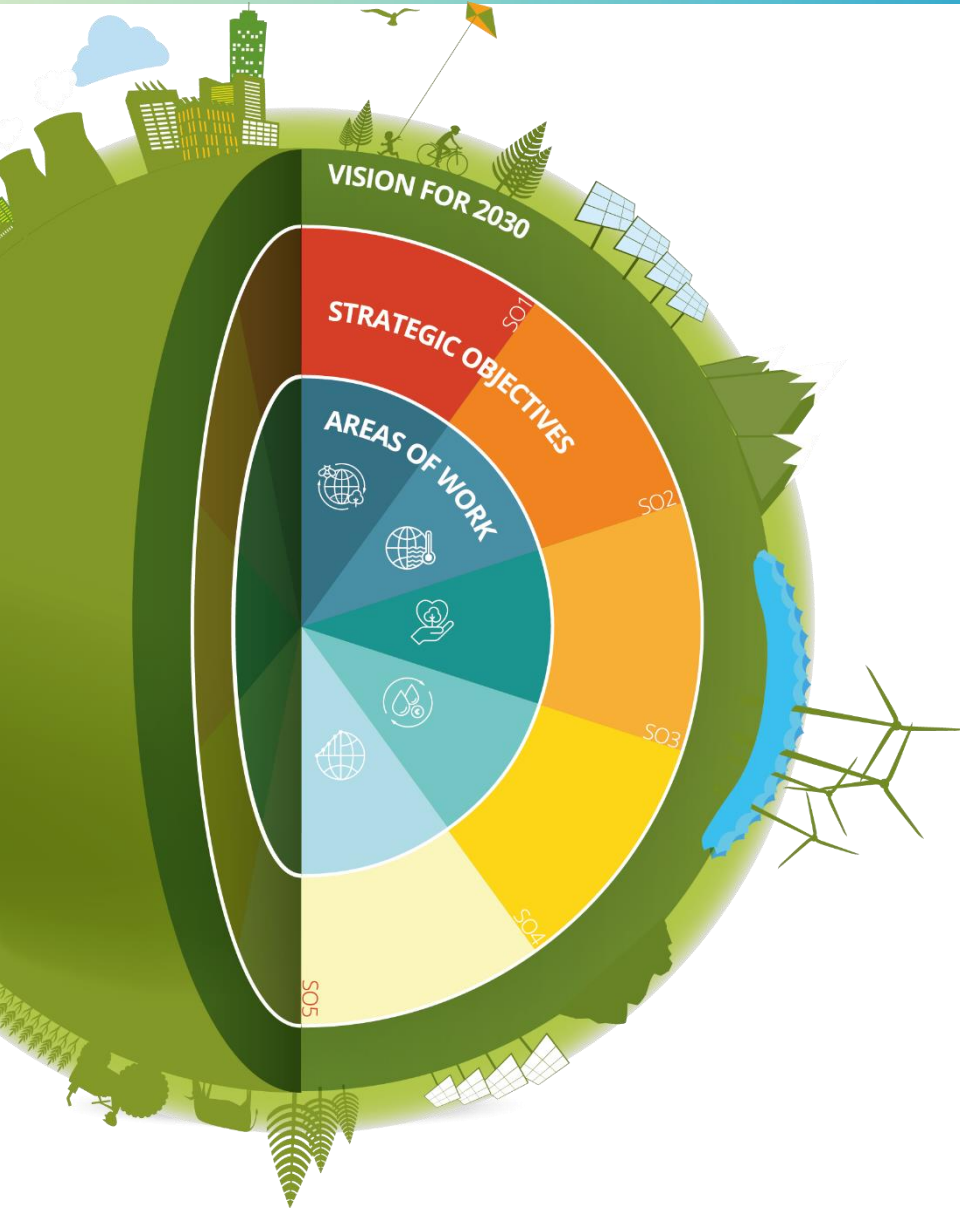
Key user of Copernicus Data
and Information Products

copernicus
Europe's eyes on Earth

Digitalisation to serve biodiversity objectives

The background of the slide is a vibrant, abstract digital composition. It features a dark blue base with numerous glowing, multi-colored lines (primarily green, yellow, and red) that crisscross the frame, creating a sense of dynamic movement and connectivity. Scattered throughout are small, bright particles and larger, out-of-focus light spots in various colors, contributing to a futuristic, high-tech aesthetic. The overall effect is one of a complex, interconnected digital network.

EEA strategic investments supporting biodiversity objectives



- Networking and partnerships
- Digitalisation
- Trusted and agile communication
- Science-policy interface
- Knowledge development towards SOER 2025 and beyond
- Learning and competencies



Goodbye “climate change vs/or/and also biodiversity”

- The political, economic, investment, ..., priority for Europe
- Strong systemic transitions logic
- Link with sectoral policies

- Interconnected

- Longer time horizon

- Social dimension

- Innovation, digitalization

- Governance agenda

Ambitious, innovative, interconnected, systemic

- First climate-neutral continent, incl. Adaptation Strategy
- **Biodiversity Strategy 2030**
- New Circular Economy Action Plan
- Zero pollution strategy
- Farm to fork strategy
- Just transition
- Sustainable European Investment Plan
- Future ready economy – new industrial strategy

The 8th Environment Action Programme

Supporting the implementation of the European Green Deal

European Green Deal - von der Leyen Commission



Thank you

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