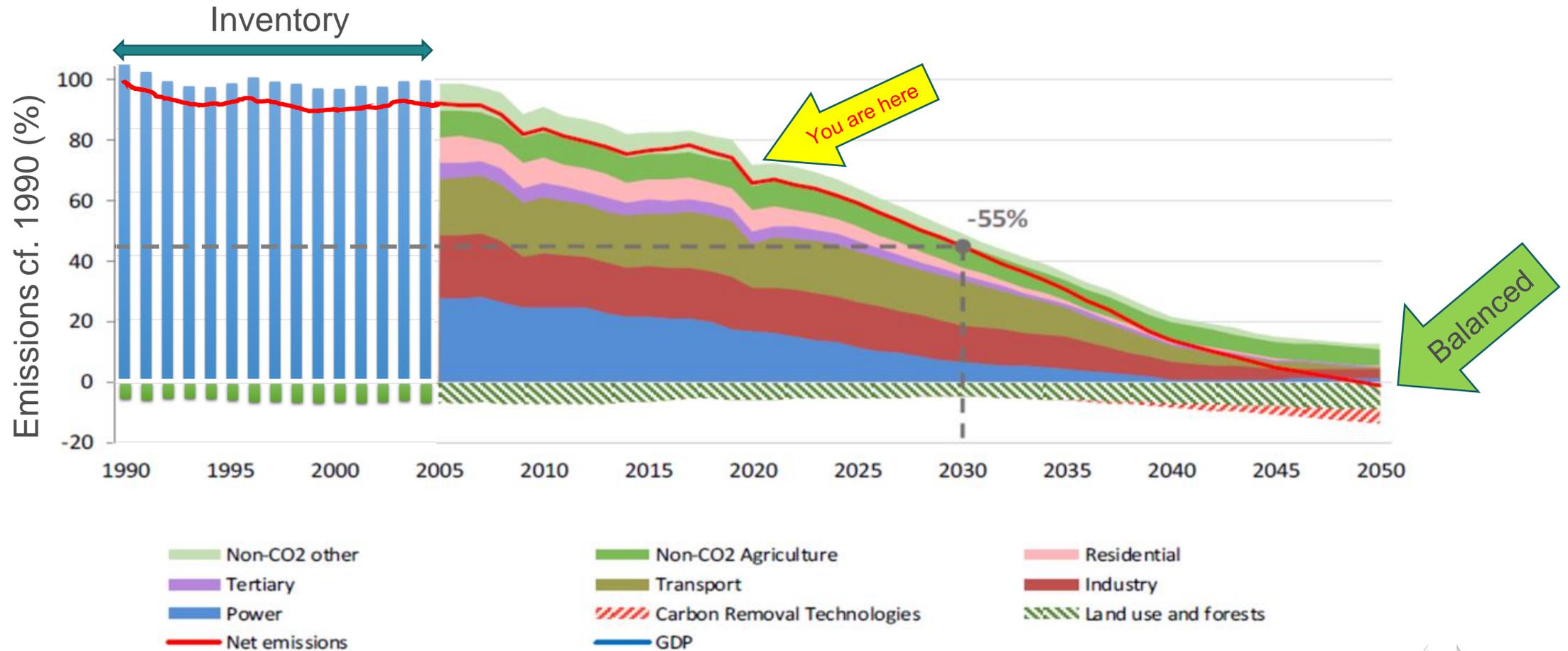




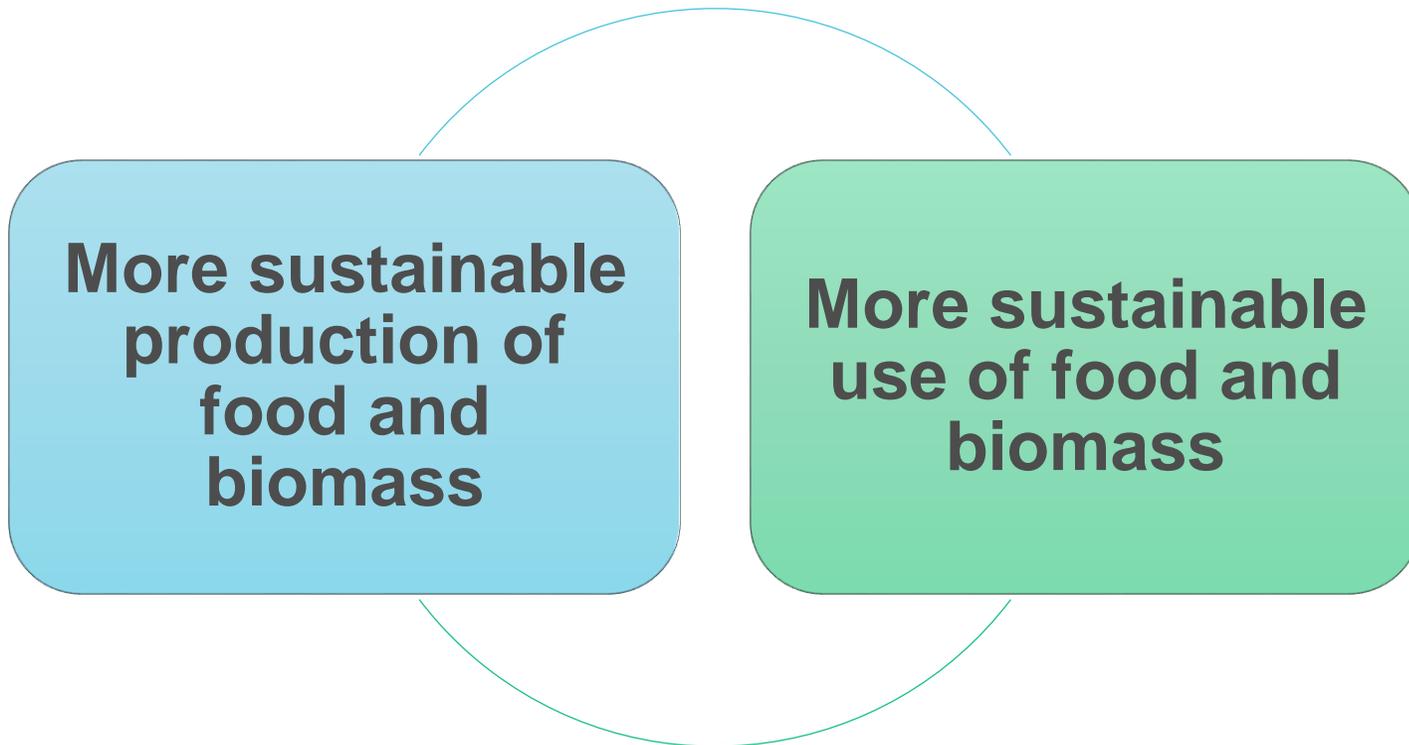
Certification of carbon removals

12 July 2022

Pathway to climate neutrality



Sustainable Carbon Cycles



- Bioenergy with carbon capture and storage (BECCS)
- Fibre crops for bio-plastics, packaging, clothes
- Wood-based construction products

Carbon farming



A **green business model** rewarding land managers for improved land management practices, resulting in carbon sequestration in ecosystems and reducing the release of carbon to the atmosphere.

Benefits of carbon farming:



Increased carbon removals



Additional income for land managers



More biodiversity and nature



Increased climate resilience of farm and forest land

Carbon farming - examples



Afforestation and reforestation
according to ecological principles



Targeted conversion of **cropland to fallow**, or of set-aside areas to **permanent grassland**



Use of **conservation tillage, catch crops, cover crops** and increasing **landscape features**



Agroforestry
and other forms of mixed farming



Restoration, rewetting and conservation of **peatlands and wetlands**



Blue carbon: coastal wetlands, regenerative aquaculture, marine permaculture

Upscaling carbon farming

Private revenues and public support

Private markets

Common Agricultural Policy

Horizon Europe, LIFE,
cohesion funds

State aid

Transparent rules for high-quality carbon credits

Common standards

Monitoring, reporting and
verification

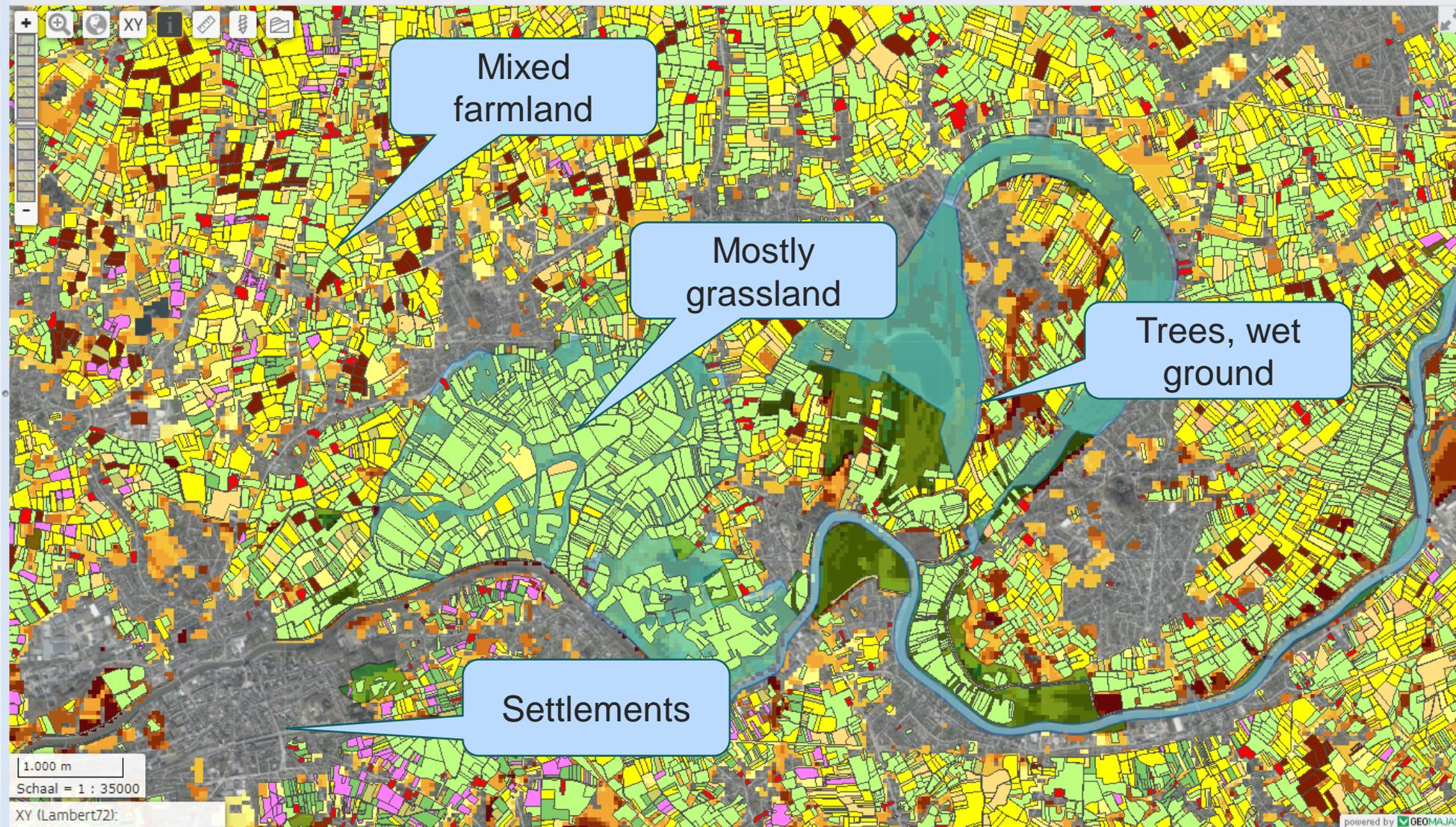
Advisory services

Simplicity for land managers

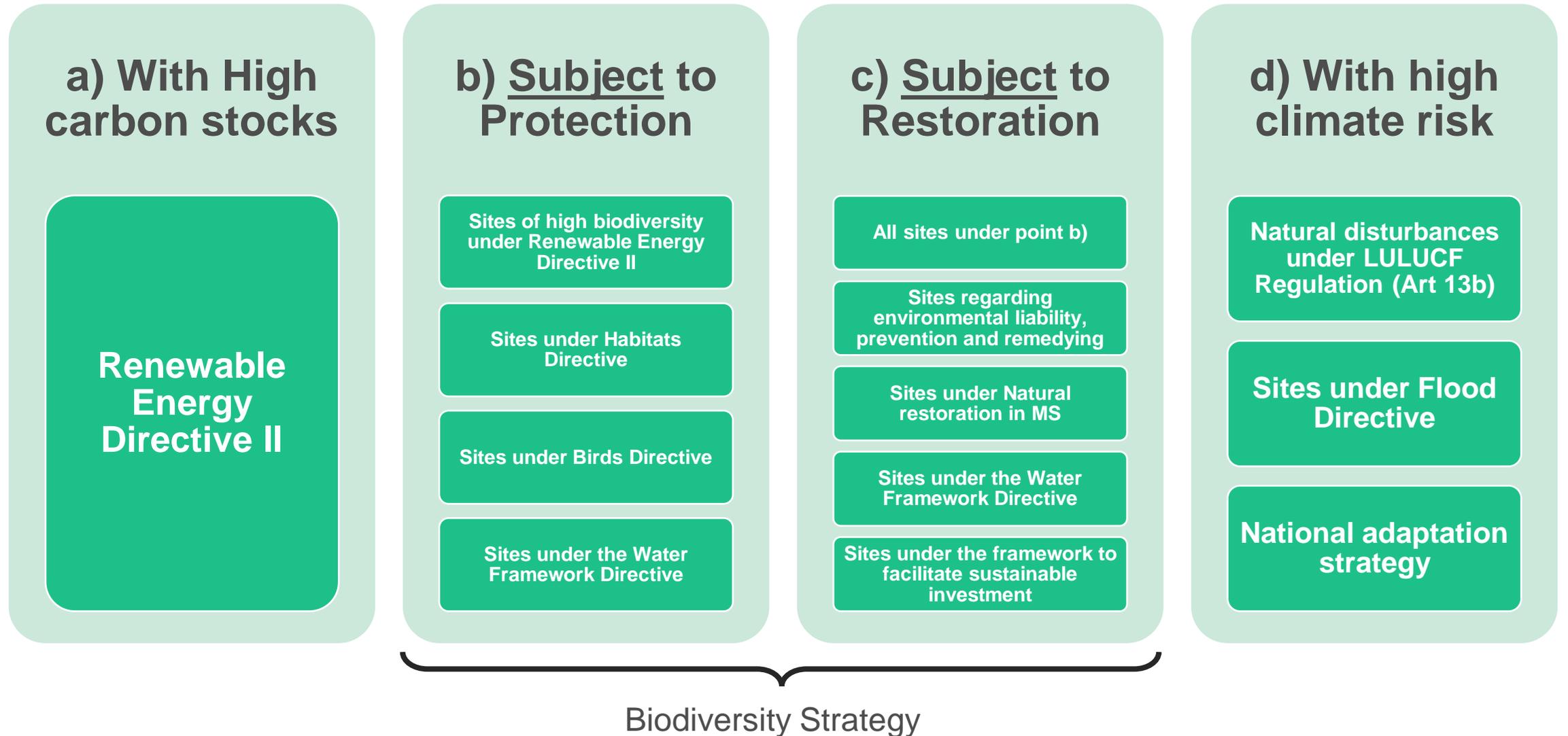
Zoekregels

Kaartbeeld instellen

- Landbouwgebruikspcelen (2020)**
 - Legende
 - Gewasgroep
 - Landbouwinfrastructuur
 - Groenten, kruiden en sierplanten
 - Grasland
 - Voedergewassen
 - Aardappelen
 - Suikerbieten
 - Granen, zaden en peulvruchten
 - Mais
 - Vlas en hennep
 - Overige gewassen
 - Fruit en Noten
 - Houtachtige gewassen
 - Water
- Erkende natuurrezervaten**
 - Legende
 - Erkende natuurrezervaten
- Vogelrichtlijngebieden**
 - Legende
- Habitatrichtlijngebieden**
 - Legende
- Soil Organic Carbon Stock Maps for Belgium: mean (40 m grid)**
 - Legende
- Orthofotomozaïek, middenschallig, winteropnamen, kleur, meest recent, Vlaanderen**
- GRB-basiskaart selectie**



Combined monitoring system for climate and biodiversity in 2026



A regulatory framework for the voluntary certification of carbon removals

Set robust certification requirements

- Quantification and monitoring
- Additionality
- Long-term sequestration
- Environmental impacts
- Transparency

Establish an effective governance framework for effective, cost-efficient and transparent implementation

Rules applicable for carbon farming and industrial carbon removal projects

Conference on Sustainable Carbon Cycles – 31 January 2022

Call for evidence and open public consultation (closed 2 May 2022)

Call for expert group until 15 September

Legislative proposal (Q4 2022)

Expert group on carbon removals

- ❖ Support Commission to develop methodologies for industrial removals and carbon farming
- ❖ Around 70 participants, including independent experts (paid), stakeholders, Member States
- ❖ Web-streamed meetings
- ❖ Submission deadline 15 Sep
- ❖ [Commission is looking for experts to advise on carbon removals \(europa.eu\)](https://europa.eu)





HORIZON-MISS-2022-SOIL-01-06

SCOPE



- ✓ Build and coordinate a network of key stakeholders drawn from European research facilities, systems developers, solution providers, land advisors and managers and others, involved in soil and biomass programmes linked to carbon sequestration, in particular at the landscape scale level.
- ✓ Develop a platform for exchange of experiences, knowledge and support facilitating the development of result-based carbon farming schemes.
- ✓ Underpin the establishment of data collection networks (e.g. carbon flux measurements stations, ground sampling campaigns, etc.), promoting the practice of data sharing and standardisation, retrieval and aggregation of information.
- ✓ Identify gaps and opportunities at the landscape level in ecosystem monitoring and soil carbon flux mitigation practices.



INDICATIVE BUDGET

3 mln EUR per project
(and also in total)



IMPORTANT!

Coordination and collaboration with other EU initiatives
Multi-actor approach & co-creating process



HORIZON-MISS-2022-SOIL-01-06



POLICY CONTEXT

- ✓ EU Green Deal and its strategies in particular:
- ✓ EU Climate Law
- ✓ EU Regulation for Land Use, Forestry, and Agriculture (LULUCF) (2018/841 & 2021 revised proposal)
- ✓ Farm to Fork Strategy
- ✓ Communication on Sustainable Carbon Cycles
- ✓ Future EU regulatory framework for certification of carbon removals
- ✓ Circular Economy Action Plan



EXPECTED OUTCOMES

- ✓ Support implementation of European Commission Communication on sustainable carbon cycles and carbon farming and the upcoming regulatory framework on carbon removals certification, contribute to the design and implementation of carbon-farming practices in Europe.
- ✓ Increase knowledge about carbon farming practices through networking and exchange of experiences.
- ✓ Enhance uptake and development of carbon farming standards.
- ✓ Increase capacities for measuring, monitoring and standardising carbon fluxes, in particular at landscape level through a robust network for data collections.

Links

- Call for Evidence on Carbon Removal Certification [Certification of carbon removals – EU rules \(europa.eu\)](#)
- Call for expert group [Commission is looking for experts to advise on carbon removals \(europa.eu\)](#)
- Horizon call for “**Network on carbon farming for agricultural and forest soils**” (Coordination and Support Action) with an EU contribution of EUR 3.00 million. For more details, please see [here](#) the full text of the call.
- Conference on Sustainable Carbon Cycles, 31 January 2022 [Sustainable Carbon Cycles Conference - About \(b2match.io\)](#)
- Our [webpage](#) and our [press release](#) on the Sustainable Carbon Cycles communication
- Our webpage on [Carbon Farming \(europa.eu\)](#)
- Commission list of potential eco-schemes <https://europa.eu/!yb74nC>
- Study on Carbon Farming: <https://data.europa.eu/doi/10.2834/594818>
- Study on Wood in construction: <https://dx.doi.org/10.2834/421958>
- Legislative proposal on a new Regulation for Land use, forestry, and agriculture [Delivering the European Green Deal | Climate Action \(europa.eu\)](#)