

Commission proposal for a Carbon Removal Certification (CRC) Regulation

And the Revision of LULUCF Regulation

European Commission DG CLIMA Stina Jansson 9 May 2023

Introduction



Why carbon removals?

- EU commitment to the **Paris Agreement**: reach net zero emissions by 2050 and net negative emissions thereafter
- EU GHG emissions would need to drop by 85-95% compared to 1990
- Carbon removals are indispensable to fill the gap
- This will require removing several hundred Mt CO2 out of the atmosphere every year



GHG projections for climate neutrality 1990 GHG emissions = 100 Source: EU 2030 Climate Target Plan

The policy context

Climate Law

• EU objective of **climate neutrality** by 2050

Land Use, Land Use Change and Forestry (LULUCF) Regulation

 ambitious target for net carbon removals in soils, forests and wood products: -310 Mtonnes by 2030

Communication on Sustainable Carbon Cycles

- roadmap to enable carbon removals:
 - carbon farming should contribute to 2030 target for LULUCF
 - industrial solutions should remove at least -5 Mtonnes in 2030

Linkages with other EU policies



Different types of carbon removal activities







PERMANENT STORAGE

E.g. Bioenergy with Carbon Capture and Storage (BECCS), Direct Air Carbon Capture and Storage (DACCS)

CARBON FARMING

E.g. Af-/re-forestation, sustainable forest management, agroforestry, soil carbon sequestration, peatland restoration

CARBON STORAGE IN PRODUCTS

E.g. Use of wood-based materials in construction, longlasting Carbon Capture and Utilisation (CCU)



Why certify carbon removals?



Tailored certification methodologies

Fighting greenwashing & build trust

Harmonise market conditions



QU.A.L.ITY criteria, methodologies & certification rules

And how will it work?





+ Commission recognises the certification schemes that can certify compliance with QU.AL.ITY criteria

Requirements for certification





The Commission will **recognise certification schemes** that should be used by operators to demonstrate compliance with the Regulation

> European Commission

How does it work?





LULUCF Revision: Regulation (EU) 2023/839



Key take-aways of the LULUCF revision: Regulation (EU) 2023/839*

Higher ambition	 Explicit MS targets - for first time Full territorial scope from 2026
Better monitoring	 Move to Tier-2 and Tier-3 level, geographically explicit basis (use of earth observation)
Improved governance	 Corrective action process Recommendations by Commission
EEA in the lead for implementation	 Reinforced EEA team, Copernicus tools



* http://data.europa.eu/eli/reg/2023/839/oj

Better monitoring

 Move to Tier-2 and Tier-3 level, geographically explicit basis (use of earth observation)

- Recital (29) ... all require enhanced monitoring of land, thereby helping to protect and enhance the resilience of nature-based carbon removals throughout the Union. The monitoring and reporting of emissions and removals needs to be upgraded, where applicable, using advanced technologies available under Union programmes, such as Copernicus, and digital data collected under the Common Agricultural Policy, applying the twin transition of green and digital innovation
- Recital (30) Mapping and monitoring provisions, both in field and remote sensing monitoring, should be introduced in order to allow Member States to have geographically explicit information to identify priority areas that have the potential to contribute to climate action. ...



Estimating removals



Commission

Monitoring - the key to policy implementation



Enhanced LULUCF monitoring system



Biodiversity Strategy, Nature Restoration Law



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2017

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LIFE **CarbonCounts**

Enabling Carbon Farming via an improved knowledge system

More info here







Thank you!



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Useful links

- Certification Removals Carbon proposal: <u>https://europa.eu/!8mGymM</u>
- Impact Assessment: <u>https://climate.ec.europa.eu/document/ab53e63b-4b85-4d28-ac67-6bd742506bae_en</u>
- Q&A: <u>https://ec.europa.eu/commission/presscorner/detail/en/qanda_22_7159</u>
- More information on Sustainable Carbon Cycles: <u>https://ec.europa.eu/clima/eu-action/forests-and-agriculture/sustainable-carbon-cycles_en</u>
- Delivering the European Green Deal: <u>https://ec.europa.eu/info/strategy/priorities-2019-</u> 2024/european-green-deal/delivering-european-green-deal_en
- LULUCF regulation revision: <u>http://data.europa.eu/eli/reg/2023/839/oj</u>
- LULUCF Impact Assessment: https://europa.eu/!NG7K6U

