

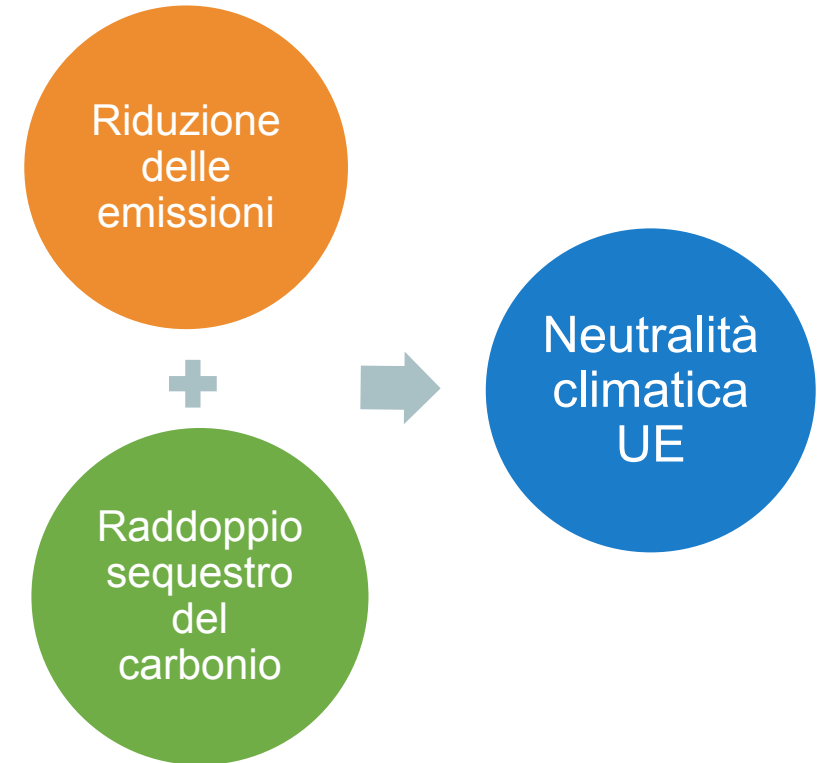
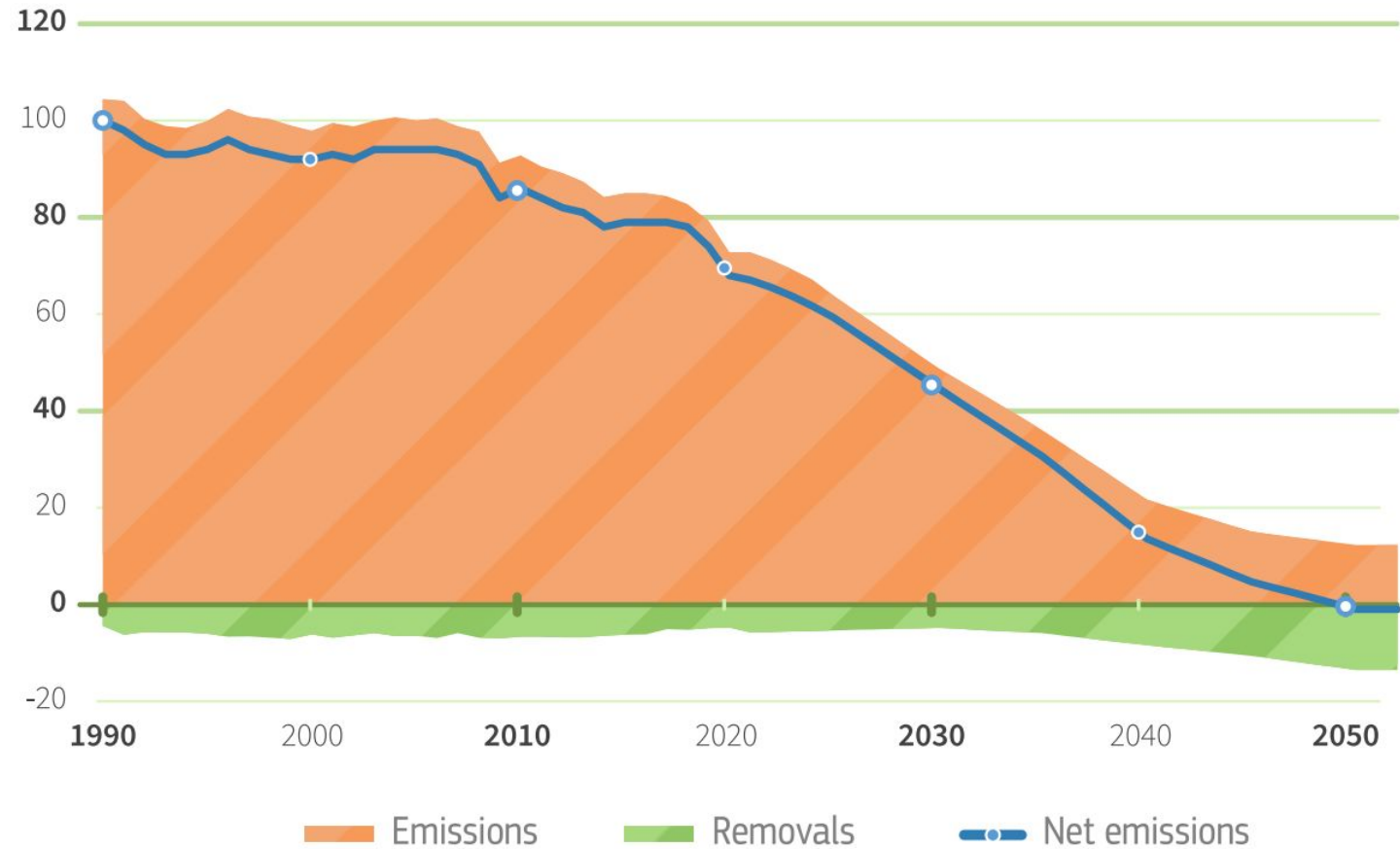


# Proposta di Regolamento europeo Certificazione sequestro del carbonio

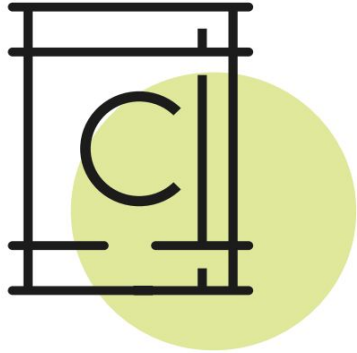
*Giulio Volpi, Commissione europea*

*DG CLIMA Unita C3: Economia della terra e sequestro del carbonio*

# Obiettivo neutralità climatica al 2050



# Attività di sequestro del carbonio



## Sequestro permanente

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

**Industrial leadership for climate-neutral technologies**

*At least 5 MtCO<sub>2</sub> removed in 2030, and up to 200 MtCO<sub>2</sub> in 2050*

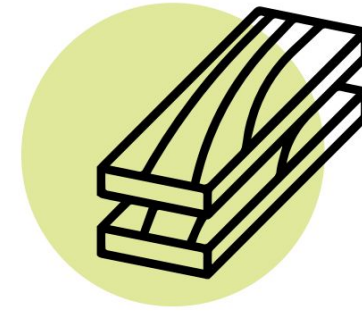


## Carbon Farming

*Soil and forest activities in the scope of the LULUCF Regulation, including: Peatland restoration, agroforestry, improved forest management, soil carbon sequestration,*

**Strong synergies with biodiversity**

*Contribute to LULUCF target of -310 MtCO<sub>2</sub> removals in 2030 and climate-positive bio-economy in 2050*



## Sequestro di lungo termine nei prodotti e nei materiali

*E.g. wood-based construction materials and other carbon-storing construction products*

**New European Bauhaus**

# Obiettivi della certificazione UE



## *Proposta legislativa*

### **Art. 1-3: Misure generali**

- 1: Scope
- 2: Definitions
- 3: Eligibility

### **Art. 4-8: Criteri di qualità**

- 4: Quantification
- 5: Additionality
- 6: Long-term storage
- 7: Sustainability
- 8: Certification methodologies

### **Art. 9-14: Regole di certificazione**

- 9: Certification of compliance
- 10: Operation of certification bodies
- 11: Operation of certification schemes
- 12: Registries
- 13: Recognition by the Commission
- 14: Reporting

### **Art. 15-18: Misure finali**

- Annex 1: content of certification methodologies  
Annex 2: content of certificates

# Elementi chiave della certificazione UE del sequestro del carbonio

## Criteri qualità

- Quantificazione
- Addizionalità
- Sequestro di lunga  
termine
- Sostenibilità



## Regole di certificazione

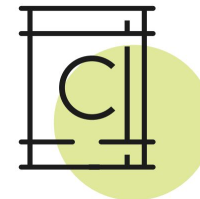
- Verifica terza
- Schemi di  
certificazione
- Registri di  
certificazione



## Metodologie di certificazione

(atti delegati)

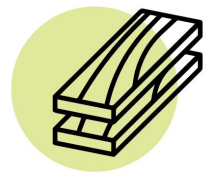
consultazione Gruppo di Esperti



SEQUESTRO  
PERMANENTE



CARBON  
FARMING



SEQUESTRO  
NEI  
PRODOTTI E  
MATERIALI

# Una certificazione unica per tutte le attività di sequestro del carbonio

## Mercati volontari

- **Direttiva dichiarazioni green** –proposta del Marzo 2023, incluse dichiarazione neutralità climatica
- **Reporting di sostenibilità**
  - Consultazione pubblica su Proposta di norme UE su reporting delle imprese in materia di neutralità climatica
- **Finanziamenti EU e aiuti di Stato**
  - Fondo UE per l'innovazione
  - Aiuti di stato per il carbon farming

## Possibili mercati regolati

- **Target UE al 2020**
- Consultazione pubblica su revisione della Legge UE sul clima
- **Revisione della Direttiva ETS**
  - Art 30; Nel 2026 valutazione sulla possibile integrazione degli stoccaggi permanenti nell ETS
- **Revisione Regolamento LULUCF**
  - Art 27; Nel 2026 valutazione sulla possibile integrazione del carbon farming nel LULUCF

# Criteria di qualità dei progetti di sequestro



## QUANTIFICAZIONE

*Carbon removal activities are measured against a baseline and are net of supply-chain emissions*



## ADDIZIONALITÀ

*Carbon removal activities go beyond standard market practices and what is legally required to the operator*



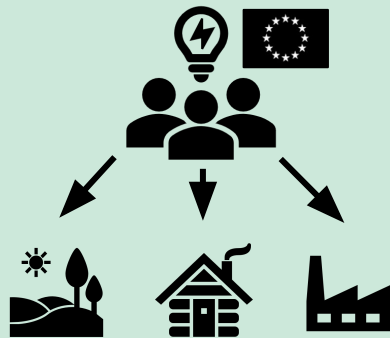
## SEQUESTRO DI LUNGO TERMINE

*Certificates clearly account for the duration of carbon storage and distinguish permanent storage from temporary storage*



## SOSTENIBILITÀ

*Carbon removal activities do not harm the environment or even benefit other environmental objectives such as biodiversity*

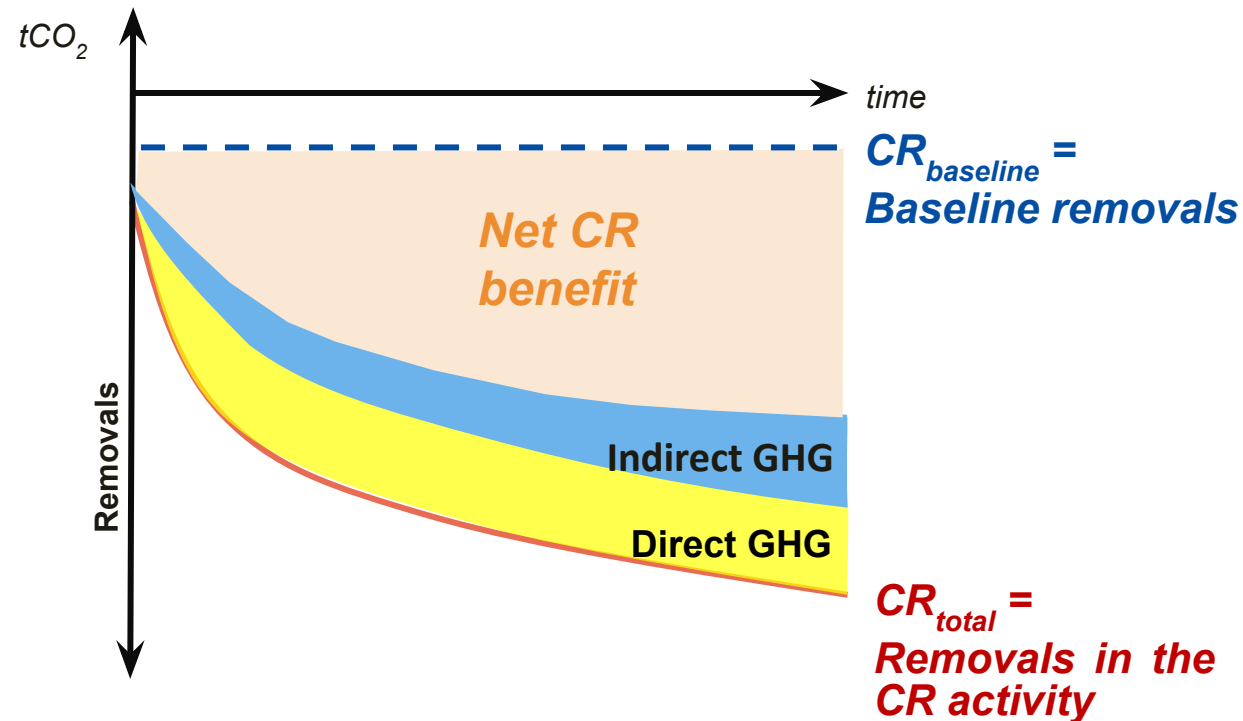


Per operationalizzare i criteri UE di qualità, la Commissione, supportata dal Gruppo di Esperti sul sequestro del carbonio, elaborerà della metodologie di calcolo e certificazione per le principali attività di sequestro

# Formula di calcolo del sequestro netto del carbonio

$$\text{Beneficio netto del sequestro del carbonio} = Cr_{\text{baseline}} - CR_{\text{totale}} - GHG_{\text{aumento}} > 0$$

Illustrative  
example



An operator will need to:

1. compare the carbon removals under the **standardised baseline** ( $CR_{\text{baseline}}$ ) against the **total carbon removals** generated by the carbon removal activity ( $CR_{\text{total}}$ )
2. subtract the **increase in GHG emissions** related to the implementation of the carbon removal activity, both direct (e.g. energy, fuel, fertiliser) and indirect (e.g. indirect land use change)

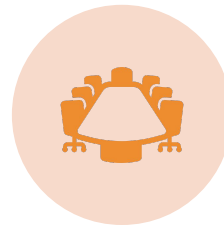


# Regole di verifica e certificazione



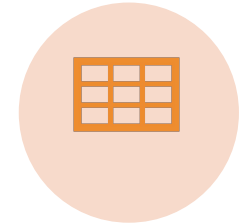
## VERIFICA DA PARTE DI ORGANISMI DI CERTIFICAZIONE ACCREDITATI

- *Requirement for verification of carbon removals by independent auditors*
- *Simplification for smaller farmers and foresters ('group of operators')*



## SCHEMI DI CERTIFICAZIONE RICONOSCIUTI DALLA COMMISSIONE

- *Implementation/control of compliance through certification schemes*
- *Certification schemes have to be recognised by the Commission against minimum governance standards (synergies with existing certification schemes for bioenergy and organic agriculture)*



## REGTRI DI CERTIFICAZIONE INTER CONNESSI

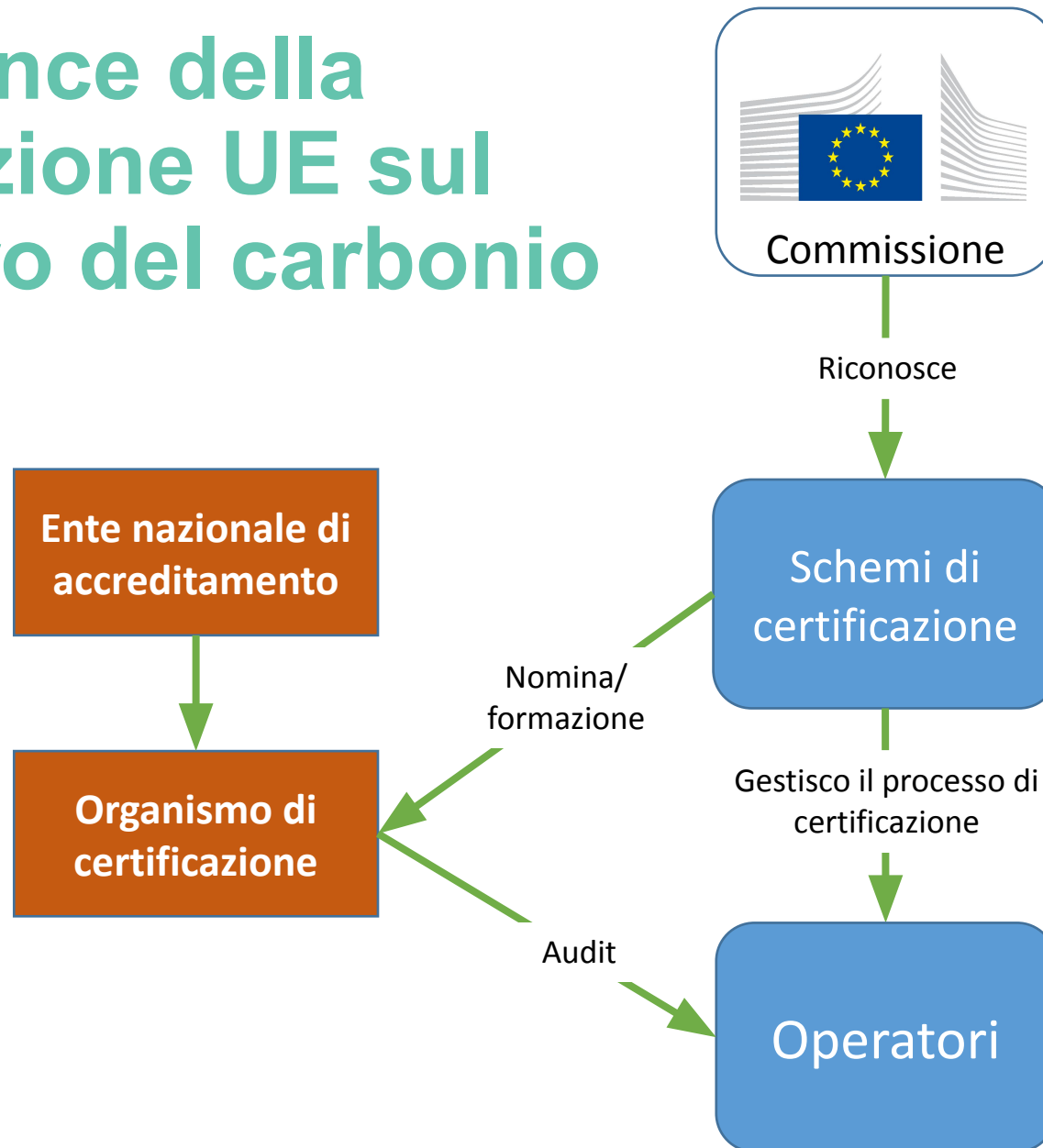
- *Carbon removal units are recorded in certification registries to avoid double-counting*
- *Requirements for inter-operability of certification registries*



I certificati di conformità include tutte le informazioni della certificazione:

- *Type of carbon removal activity, amount of carbon removal units generated*
- *Duration and expiry date of the carbon removal units*
- *Sustainability requirements and co-benefits*

# Governance della certificazione UE sul sequestro del carbonio



- Develops tailored **certification methodologies** through delegated acts, supported by expert group
- Recognises **certification schemes** (e.g. public or private entities tasked to implement/control the certification process)

- Manage the **scheme** (including internal monitoring)
- Appoint, train and supervise **certification bodies**
- Register **activities**
- Control certification **audits** and **certificates** of compliance
- Issue carbon removal **units**
- Manages public **registries**

- Apply for certification
- Monitor and report compliance with the quality criteria through the relevant certification methodologies

# Gruppo UE di esperti sequestro del carbonio

[https://climate.ec.europa.eu/eu-action/sustainable-carbon-cycles/expert-group-carbon-removals\\_en](https://climate.ec.europa.eu/eu-action/sustainable-carbon-cycles/expert-group-carbon-removals_en)

## 2023 work programme

- June 2023** ○ Meeting on carbon farming methodologies
  - Soil
  - Forest
  - Peatlands
- Sep/Oct 2023** ○ Meeting on industrial removals
  - Permanent storage
  - Long-lasting carbon storage products
- Oct/Nov 2023** ○ Meeting on certification process
  - Certification schemes
  - Third-party verification
  - Registries
- Q4 2023 or Q1 2024** ○ Meeting for 2024 work program
  - Report on best practices

## 21-22 June: Meeting on carbon farming certification methodologies



# Maggiori informazioni:

- Proposta Regolamento certificazione sequestro del carbonio:  
[https://climate.ec.europa.eu/document/fad4a049-ff98-476f-b626-b46c6afdded3\\_en](https://climate.ec.europa.eu/document/fad4a049-ff98-476f-b626-b46c6afdded3_en)
- Studio di impatto.  
[https://climate.ec.europa.eu/document/ab53e63b-4b85-4d28-ac67-6bd742506bae\\_en](https://climate.ec.europa.eu/document/ab53e63b-4b85-4d28-ac67-6bd742506bae_en)
- Comunicato stampa: [Commission proposes certification of carbon removals \(europa.eu\)](https://ec.europa.eu/commission/presscorner/detail/en/qanda_22_7159)
- Q&A: [https://ec.europa.eu/commission/presscorner/detail/en/qanda\\_22\\_7159](https://ec.europa.eu/commission/presscorner/detail/en/qanda_22_7159)
- Gruppo UE esperti su sequestro del carbonio:  
[https://climate.ec.europa.eu/eu-action/sustainable-carbon-cycles/expert-group-carbon-removals\\_en](https://climate.ec.europa.eu/eu-action/sustainable-carbon-cycles/expert-group-carbon-removals_en)

# Grazie!

Email: [giulio.volpi at ec.europa.eu](mailto:giulio.volpi@ec.europa.eu)

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