Carbon farming

Online webinar
27th July 2023, 12:30 GMT / 13:30 CET

REGISTER AT
www.climate-kic.org/SustainableFoodWebinar
Housekeeping

- This session is being recorded
- Recording & slides will be available on our website
- Questions in the chat please, we address some (if not all) in panel discussion
- Please share your feedback with us at the end!

More information: climate-kic.org/SustainableFoodIreland
Agenda

5’ Welcome
5’ Why these sessions
10’ Presentation key report findings
45’ Discussion/ panel incl. Q&A
5’ Observer feedback
5’ Poll & close

More information: climate-kic.org/SustainableFoodIreland
Joining us today

Saskia Visser
Resilient & Climate Neutral regions Cluster Manger, EIT Climate-KIC, NL

Bernard Harris
Agricultural Inspector, Climate Change and Bio Energy Policy Division, Dept. Food & Agriculture & Marine, IRL

Saskia Keesstra
Land use transformation – Designer & Producer, EIT Climate KIC / Senior Researcher, Wageningen University, NL

Eoghan Finneran
Chief Executive Officer, Farmeye, IRL

Donal Sheehan
Dairy Farmer, Bride Valley in Co. Cork, IRL
Why these sessions?

More information: climate-kic.org/SustainableFoodIreland
The Report

Dealing with Climate Change and Sustainability Targets
The innovation potential for the Irish Agri-Food Sector

More information: climate-kic.org/SustainableFoodIreland
Join us!

EVENT

From farm to fork: Shaping sustainable food systems

LOCATION
Dublin, Ireland & online

DATE
28 September 2023, 9:00 – 17:00 IST
CARBON FARMING

Dealing with Climate Change and Sustainability Targets

The innovation potential for the Irish Agri-Food Sector

Editor | Saskia Visser

Amsterdam | March 2023

Saskia Visser, Saskia Keesstra, Ellea l’Hermite
Hot Topic

Popularise carbon farming to fight climate change
Published: Monday, 24 July, 2023 at 12:00 AM

By Katy Askew
05-Dec-2022 - Last updated on 05-Dec-2022 at 14:02 GMT

EC carbon credit certification: An ‘essential steppingstone’ towards net zero or a potential ‘greenwashing tool’?

Uncertainty remains around carbon farming – minister
Carbon Farming

"Carbon farming can be defined as a green business model that rewards land managers for taking up improved land management practices, resulting in the increase of carbon sequestration in living biomass, dead organic matter and soils by enhancing carbon capture and/or reducing the release of carbon to the atmosphere, in respect of ecological principles favourable to biodiversity and the natural capital overall."

Purpose

- To avoid future emissions by maintaining existing carbon stocks (maintain)
- To reduce emissions that cannot be avoided (reduce)
- To create new, long-term carbon stores (remove)
### Table 2.2: Overview of a selection of potential co-benefits and related risks for carbon farming practices

*According to ENRD who made a compilation drawing upon Ecologic and IEEP (2022) and other research data, completed by Climate-KIC*

<table>
<thead>
<tr>
<th>CF actions</th>
<th>Co-benefits for land managers</th>
<th>Societal co-benefits</th>
<th>Risks</th>
<th>Safeguards needed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Managing Peatlands</td>
<td>Peatland rewetting</td>
<td>Potential for paludiculture/income from carbon certifications</td>
<td>Biodiversity, flood regulation, water quality</td>
<td>Increased CH₄ emissions, Resilience to climate change impacts, effect of displacing production</td>
</tr>
<tr>
<td>Agroforestry</td>
<td>Creation, restoration &amp; management of woody features in the landscape</td>
<td>Diversification of outputs, Reduced risk of single crop failure</td>
<td>Improved water retention, microclimate, soil health, biodiversity</td>
<td>No agroforestry on peatland, nature conservation objectives</td>
</tr>
</tbody>
</table>

**Agroforestry**
- Creation, restoration & management of woody features in the landscape
- Diversification of outputs. Reduced risk of single crop failure
- Improved water retention, microclimate, soil health, biodiversity
- Non-native species, impact on authentic biodiversity monocultures such as poplar plantations, are poor quality habitats and lead to an overall loss of ecosystem services compared to mixed farmland
- No agroforestry on peatland, nature conservation objectives
Figure 2.3: *Differentiation of carbon farming schemes according to the Road4Schemes project as presented during the EUSO Stakeholders forum (Thorsøe, 2022)*
Example

The Netherlands National Carbon Farming Scheme

- SNK has a ‘rulebook’ describing rules and methods
- SNK supports CO2 providers with the development of their plan
- SNK provides match making between providers and buyers
- Independent: National Carbon Market Foundation guarantees quality of certificate (MRV)
- SNK provides certificates
- **Monitoring** refers to measuring the decrease in emissions or the increase in sequestration.
- **Reporting** refers to the processes for communicating these results.
- **Verification** refers to the ability of administrators or other external parties to ensure the truthfulness and accuracy of the results.
Recommendations

• Closely follow what happens in EU
  o Remain aligned without waiting
• Develop flexible framework
  o That can adopt last insights
• Go beyond carbon
  o Nature credits
  o Soil monitoring law
Thank you for your attention!

Into the discussion...

Contact: Saskia.Visser@climate-kic.org
Our panelists

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Eoghan Finneran
Chief Executive Officer,
Farmeye, IRL
CREDIBLE project

- Building momentum and trust to achieve credible soil carbon farming in the EU
- 3 annual carbon farming summits to discuss and identify implementation plans
- Focus groups
  - WP1: Practical knowledge and fit-for-region blueprint for carbon scheme development
  - WP2: Navigating and selecting carbon standards and policy instruments
  - WP3: Existing monitoring capabilities as enablers of soil data collection and sharing

Newsletter: http://eepurl.com/ipdTEE
Contact: saskia.Keesstra@climate-kic.org
Close and thank you

More information: climate-kic.org/SustainableFoodIreland; Email: learning@climate-kic.org.