

Monitoring climate impact of Glastir Land Management Scheme



James Skates



Llywodraeth Cymru
Welsh Government

www.cymru.gov.uk

Welsh Agriculture and LULUCF Inventory Emissions

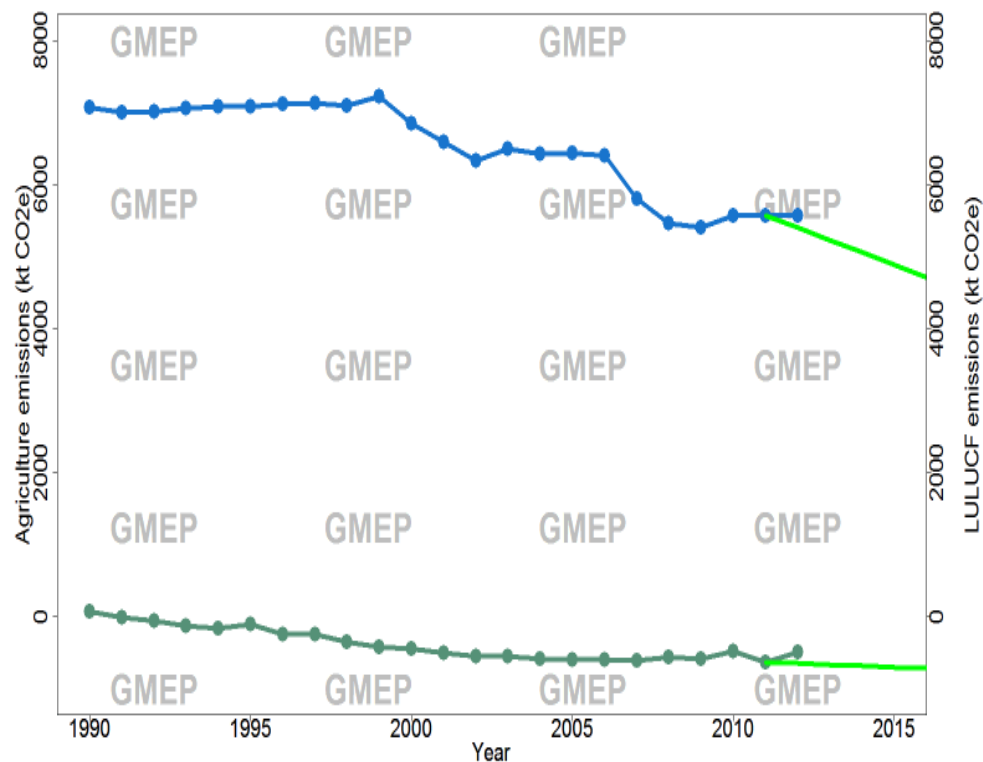
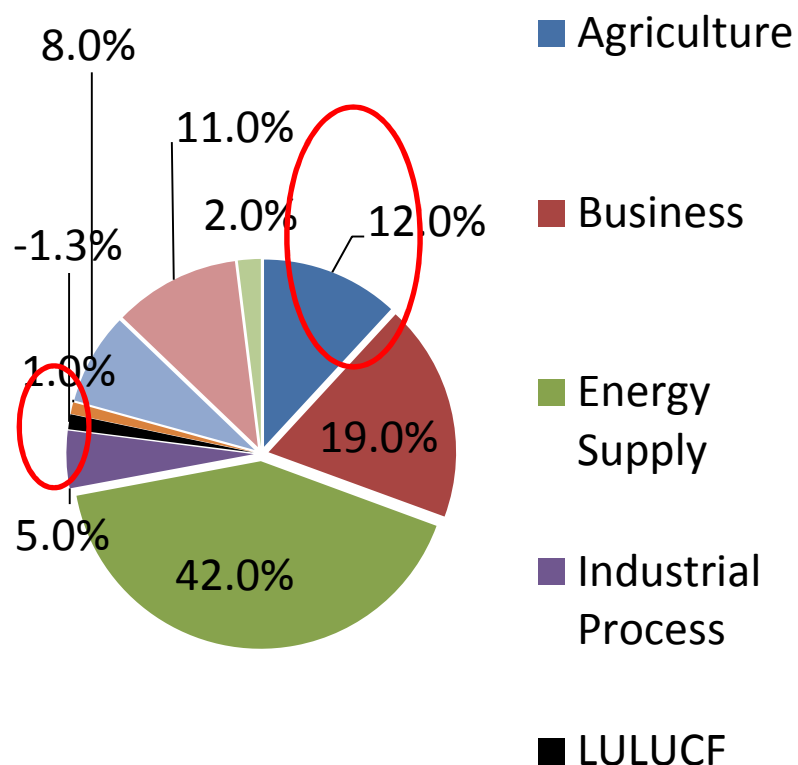


FIGURE-GMEP-DPCCM-030-A-1: Long term trends in annual GHG emissions from agricultural emissions (blue line) and the Land Use, Land use Change and Forestry for Wales (green line). Targets showing a 3% reduction based on a baseline calculated from 2006-2010 are shown in light green.

Glastir Monitoring and Evaluation Programme (GMEP)



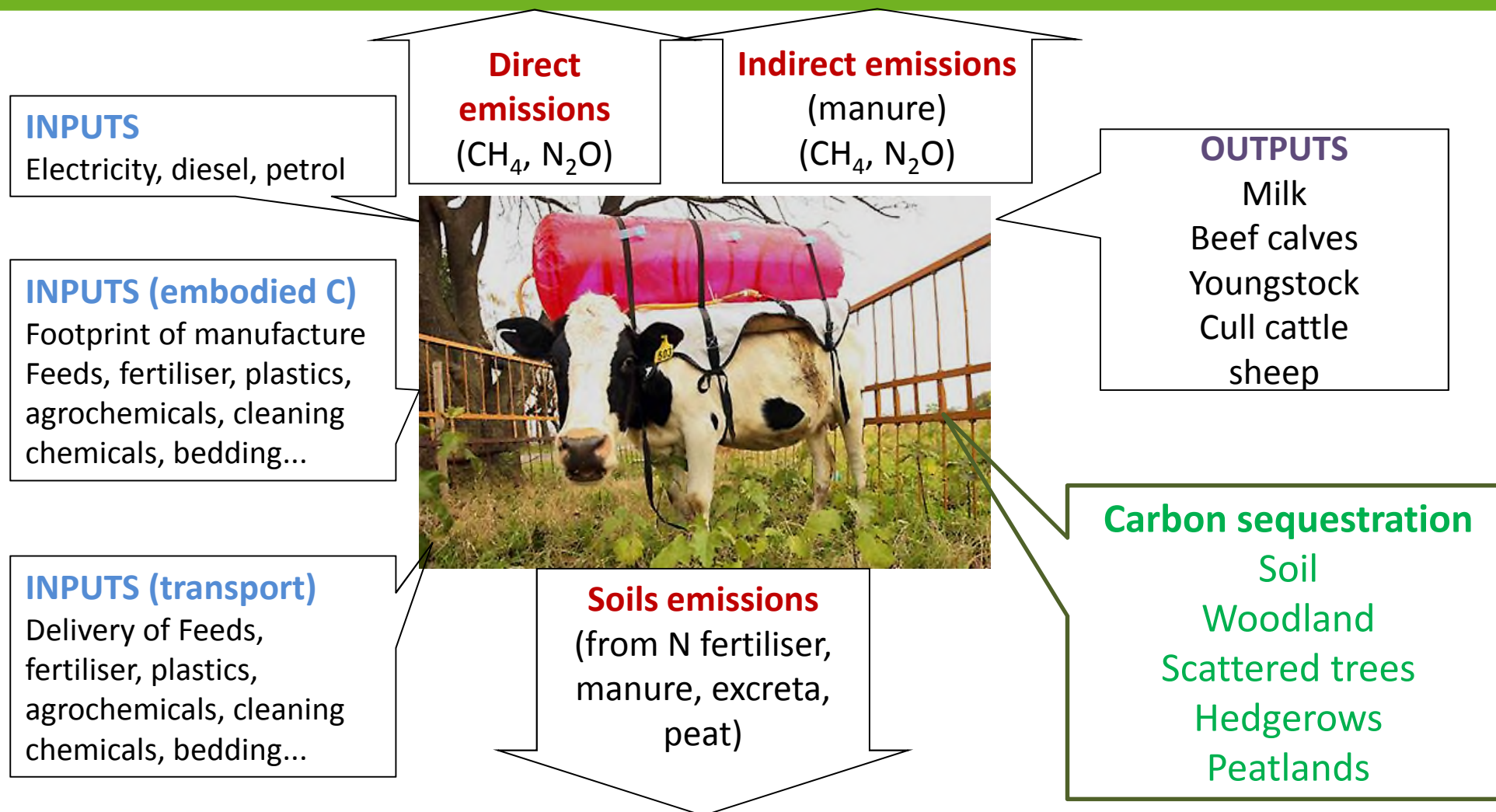
Field Survey

**Models run in
forecast mode**

**Development
of new
technologies**

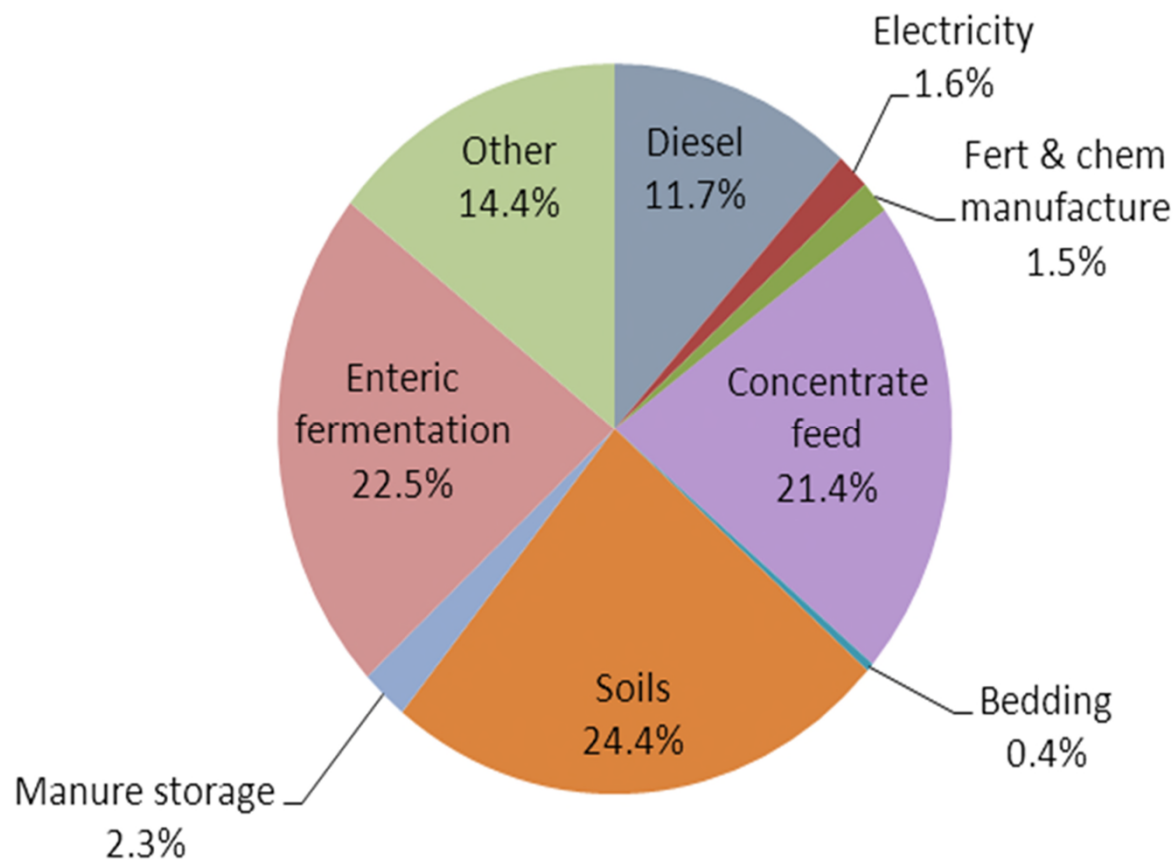
**Socio-economic surveys to
find out impacts on farmers
and wider society**

GMEP Carbon Footprint Model



GMEP Carbon Footprint Model Results

Sheep system Carbon Footprint



Farm gate is the system boundary

Embedded & process emissions included

Expressed as CO₂e ha & kg product

Farm surveys, standard default figures and field survey data

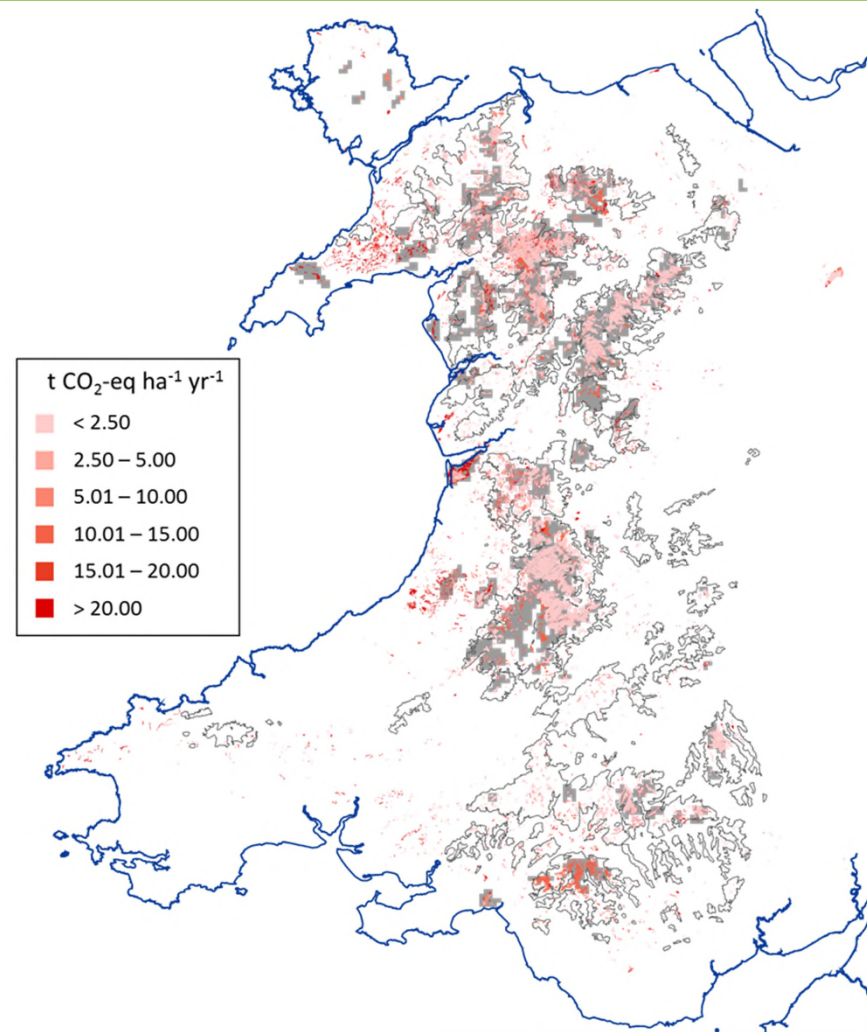
Restoring Welsh Peatlands

Restore peatlands supporting semi-natural habitat in Wales – (c. 66,000 ha) by 2020.

1000km grips and drains blocked

Over half of the target area under Glastir or other sustainable management

Emissions savings of this policy, up to 168 kt CO₂-eq yr⁻¹ not reflected in National Inventory or through CMEF indicators



Further Information

The screenshot shows the homepage of the Glastir Monitoring and Evaluation Programme. It features a green map of Wales in the top left corner. The main navigation bar includes links to Home, About GMEP, Summary of GMEP results, Data & Findings, Natural Resource Management, Data Management, and Resources. A large landscape image of a lake in a valley is prominently displayed. Below the image, there is a section titled 'Improving water quality and managing water resources'. To the right, a text block explains that Glastir is the Welsh Government's sustainable land management scheme which pays for environmental goods and services aimed at:

- Combating climate change
- Improving water quality and managing water resources
- Improving soil quality and management
- Halting biodiversity loss
- Managing landscapes and historic environment and improving public access to the countryside
- Woodland creation and management

Below this list, there are four smaller images with captions: 'About GMEP' (a mountain landscape), 'Summary of GMEP results' (sheep grazing), 'Data & Findings' (a hand holding a small container), and 'Data Management' (a hand using a tablet).

James.skates@wales.gsi.gov.uk

<https://gmep.wales/>

Contact GMEP

If you have a question or want to be kept up to date with developments within GMEP you can contact us through the GMEP Project Office.

[Read more...](#)



Ariennir gen
Lywodraeth Cymru
Funded by
Welsh Government

© 2016 Centre for Ecology and Hydrology.