

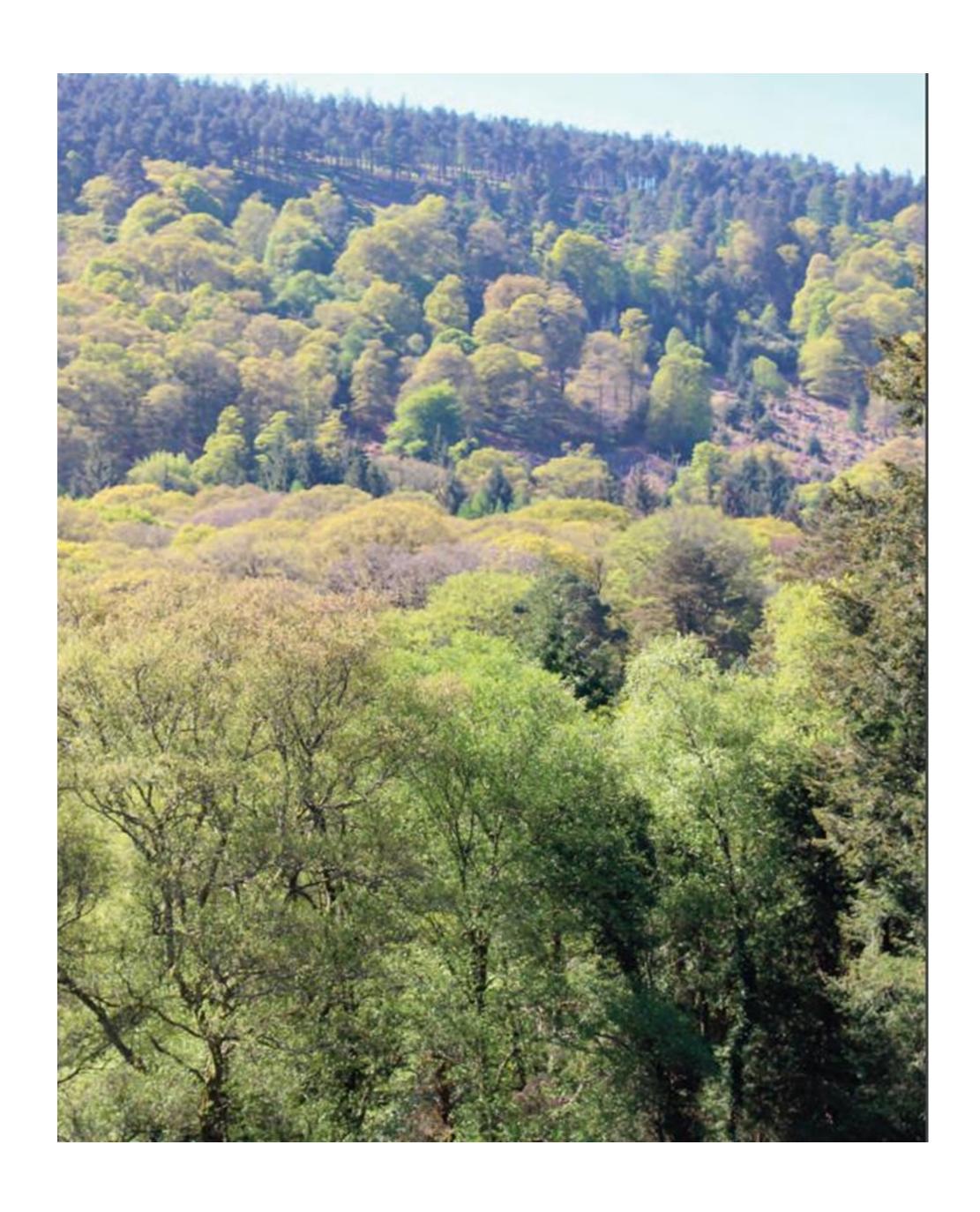
IFA Forestry Conference 2023

Fergus Moore

Head of Division

Forest Sector Development Division

8th June 2023



Presentation Overview

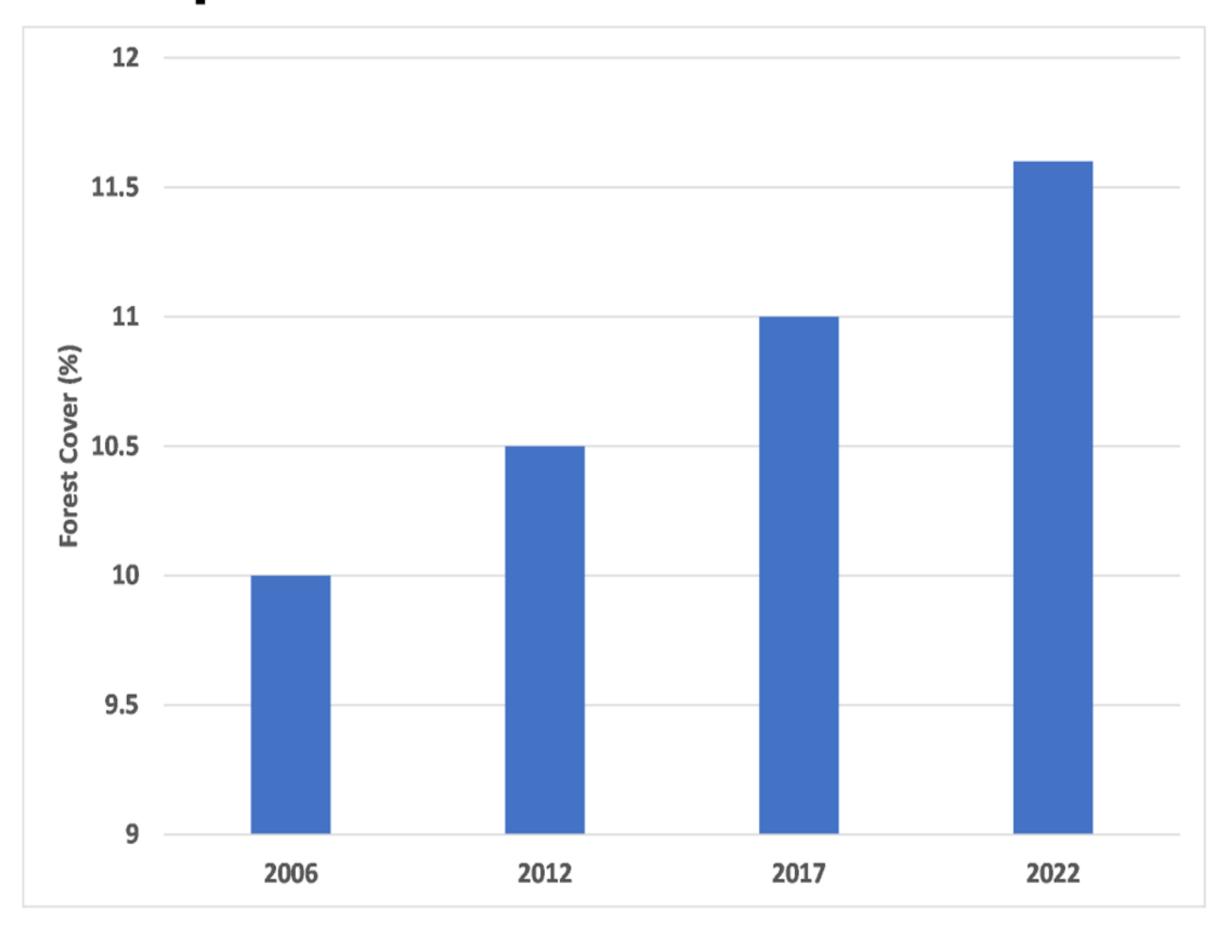
Carbon stocks and stores

Forestry and Land Use Emissions

EU Forestry and Carbon

Carbon Stocks and Stores

Development of Forest Cover 2006-2022

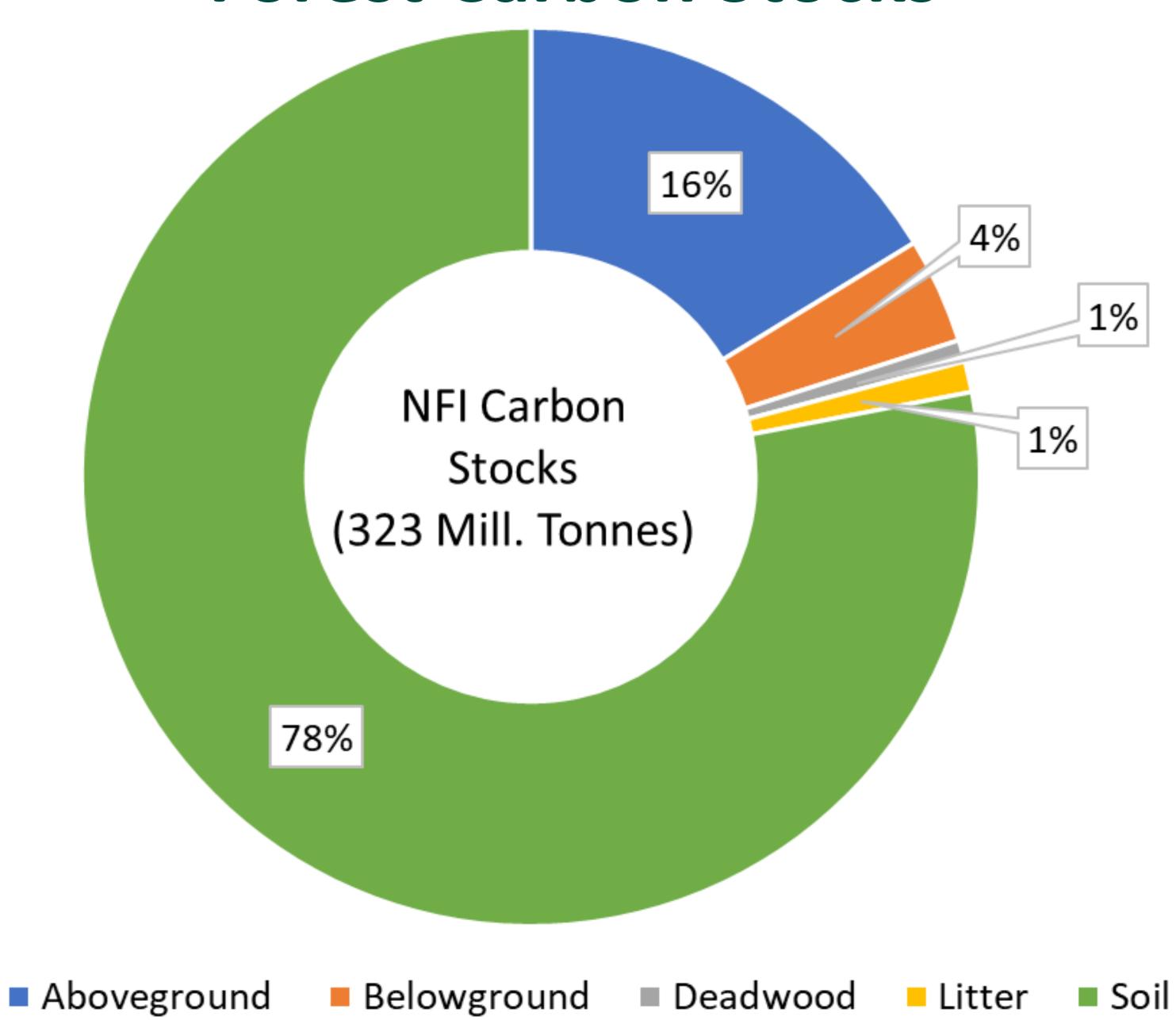


KEY FINDINGS OF IRELAND'S NFI 2022

- 1. The national forest estate is still expanding, 11.6% of the total land area
- 2. The total forest area has increased from 697,842 hectares (ha) in 2006 to 808,848 ha in 2022.
- 3. Conifer species ~70%: Broadleaves 30% of the stocked forest area
- 4. Between 2006 and 2022 seminatural forests are responsible for one-third (33.1%) of the new forest areas captured.

Forest Carbon Stocks



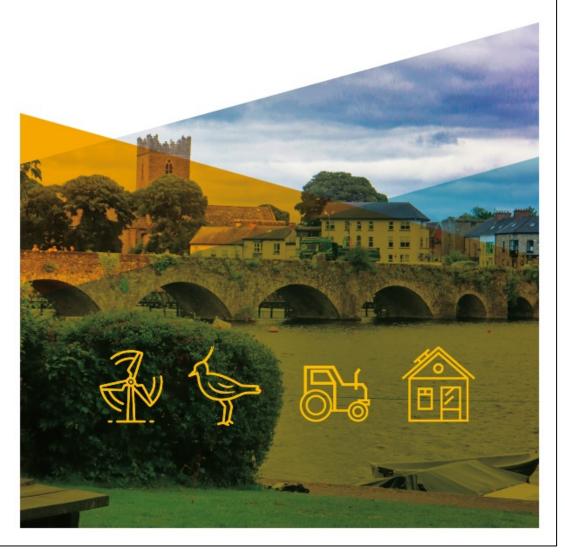


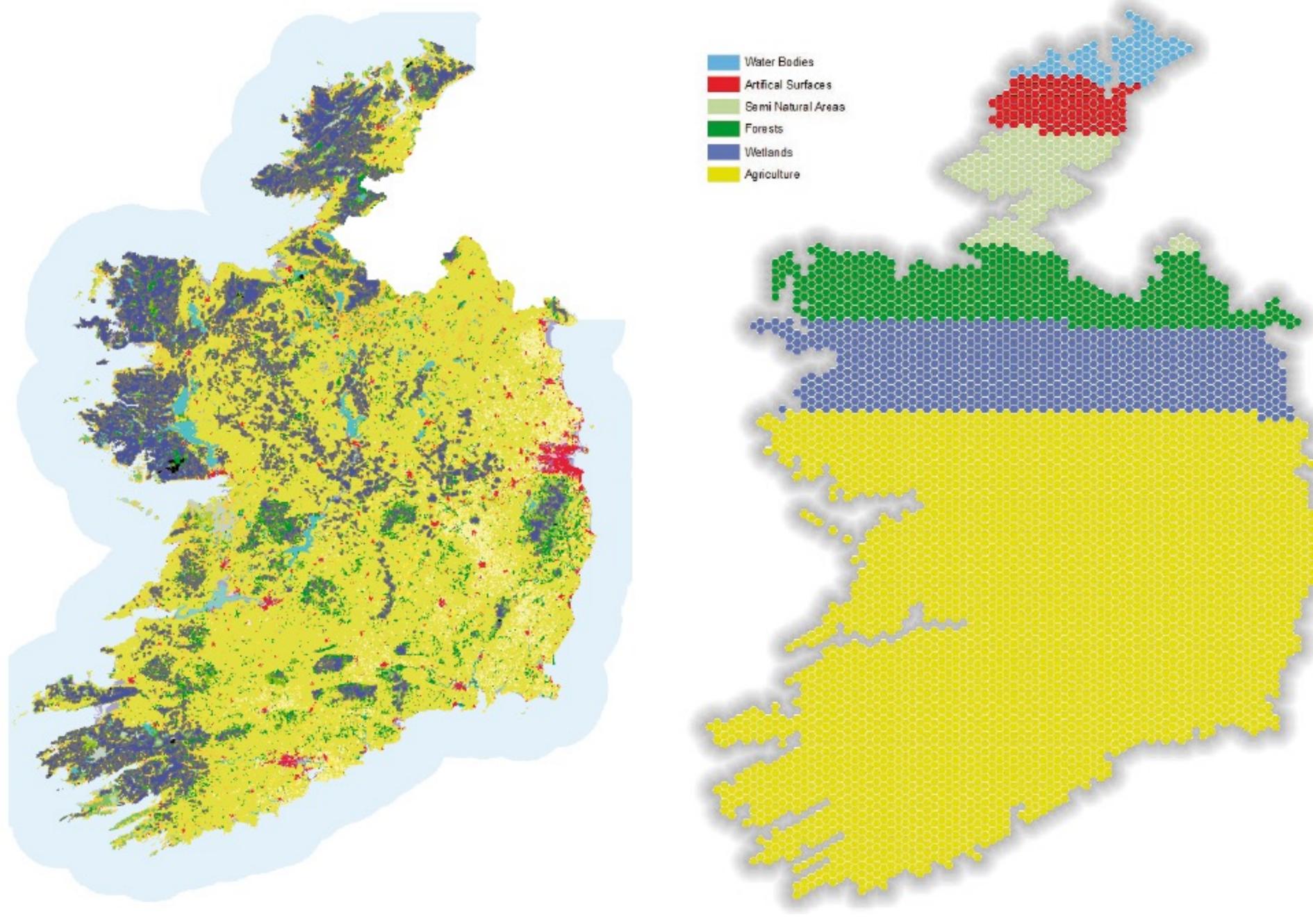
Forestry and Land Use Emissions



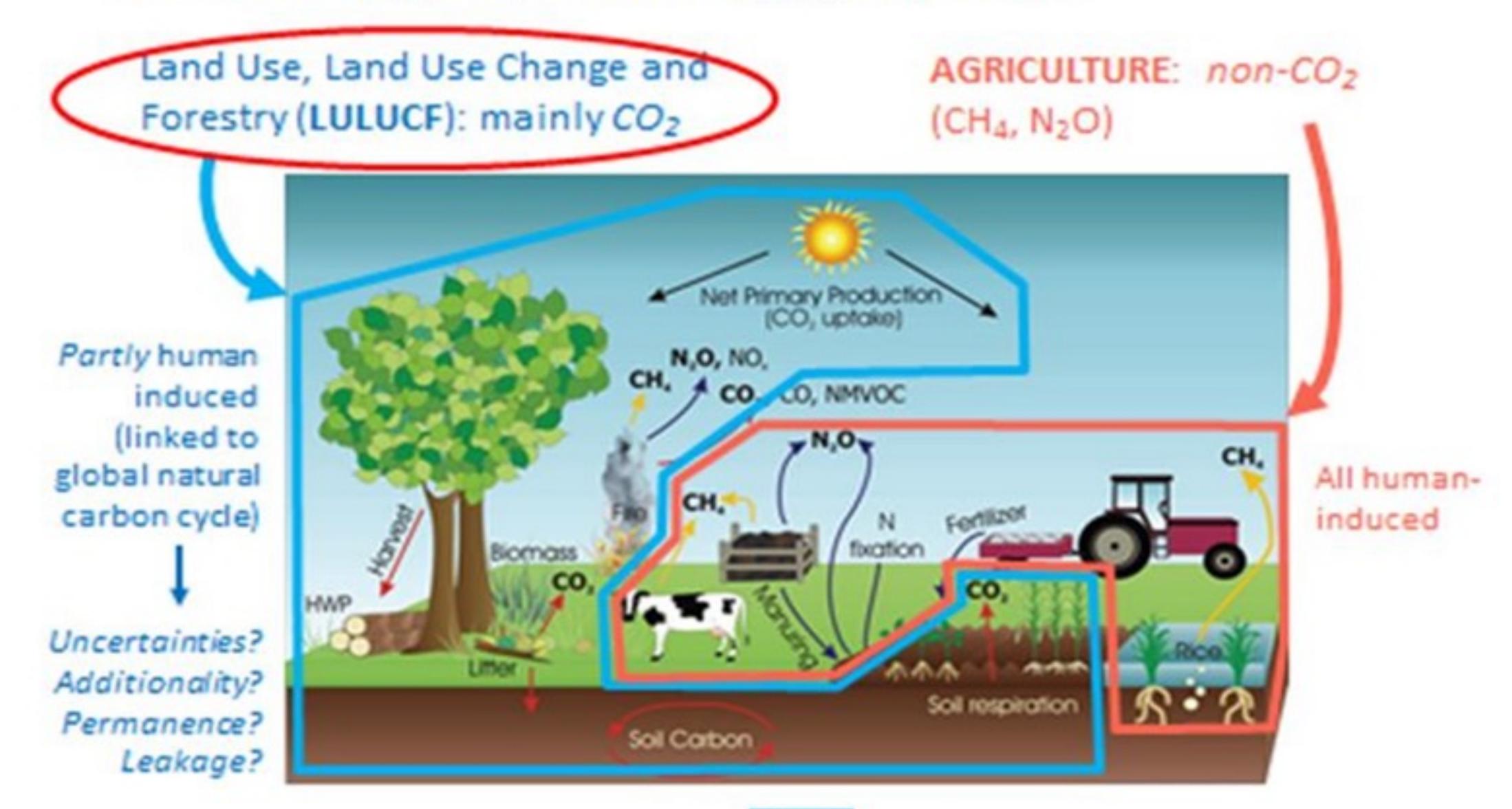


Land Use Evidence Review Phase 1 Synthesis Report





The UNFCCC includes the land use through two sectors:



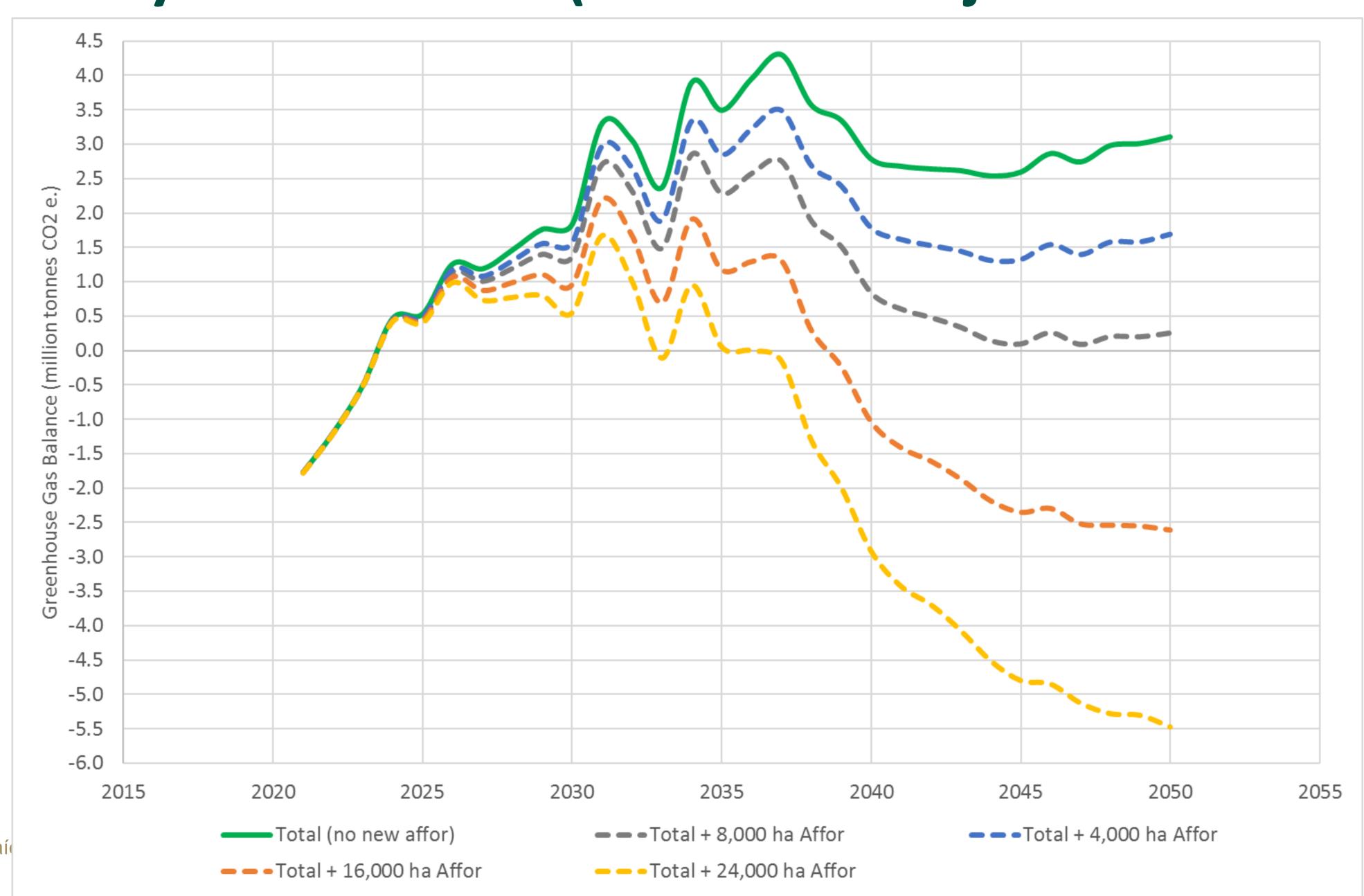


Irelands LULUCF Sector

(Irelands land is a <u>net source</u> of CO2)

Category	2019	2020	2021
Forest land	-1946.29	-2105.45	-434.03
Cropland	-139.53	-110.80	-9.94
Grassland	7034.56	6920.94	7566.37
Wetlands	2573.62	2783.92	2003.45
Harvested Wood Product	-858.19	-818.98	-1609.47
Total LULUCF	6899.28	6943.20	7766.91

Forestry GHG Balance (incl. Affor Projections to 2050)





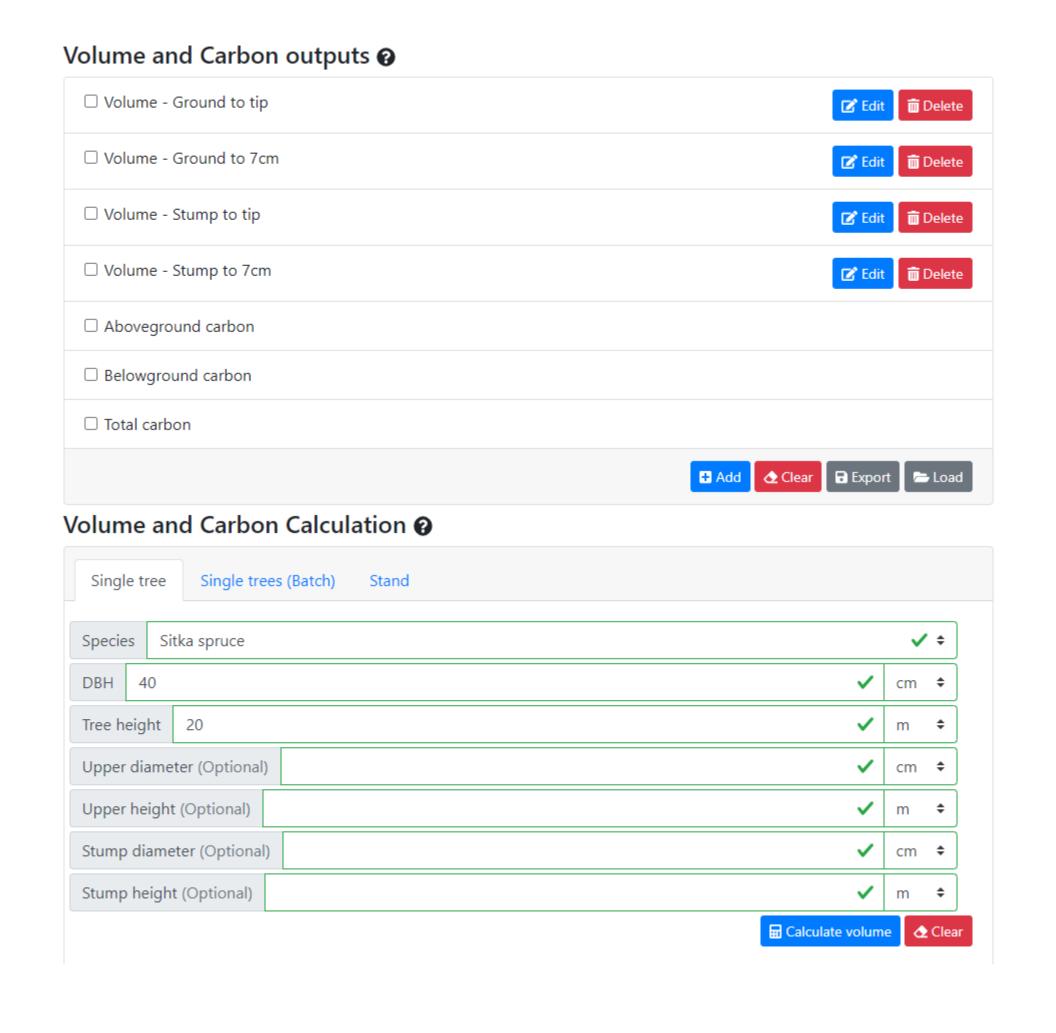
• The Climate Change Advisory Council (CCAC) on 25th October 2021 submitted proposed carbon budgets consistent with a 51% reduction in greenhouse gases in 2030 relative to 2018 to the Minister of Environment, Climate and Communications.

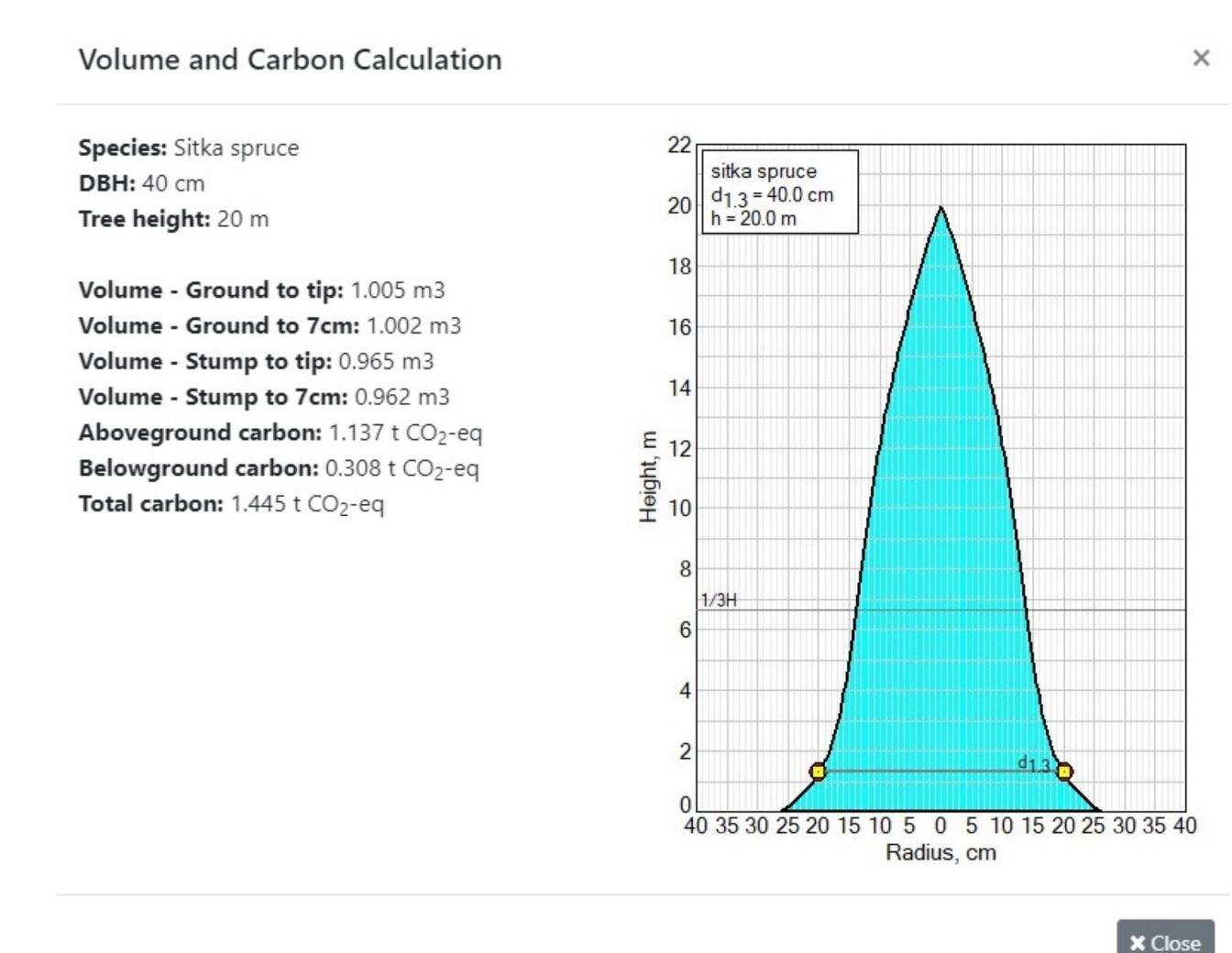
 The Climate Action Plan 2023 provides an indicative range of emissions required for each sector to 2030 to meet the overall 51% reduction.

For agriculture the sectoral target agreed is 25%

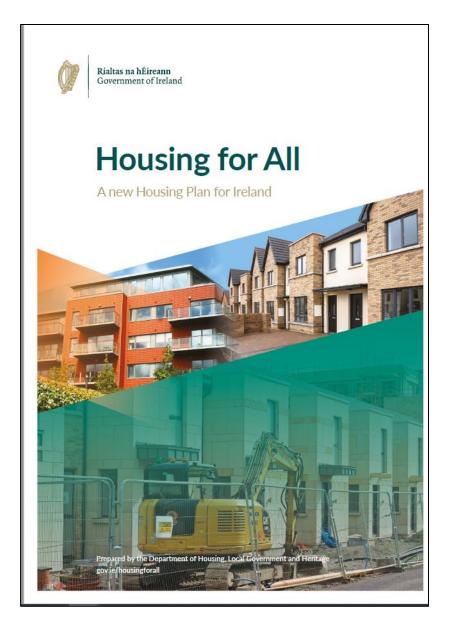
No target agreed for the LULUCF sector

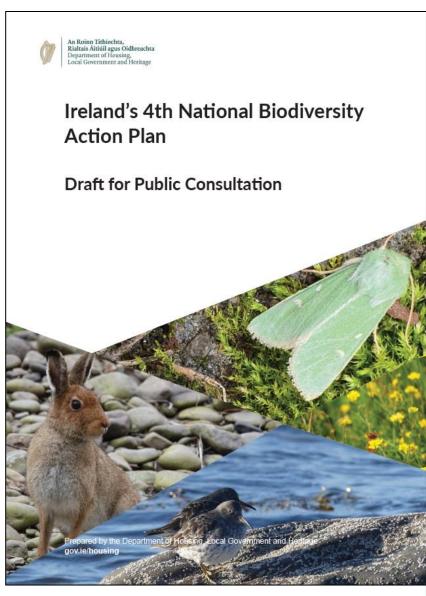
Ireland's Tree Volume and Carbon Calculator

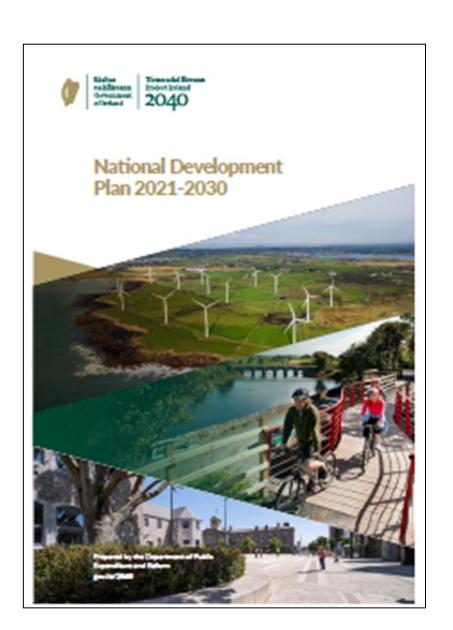


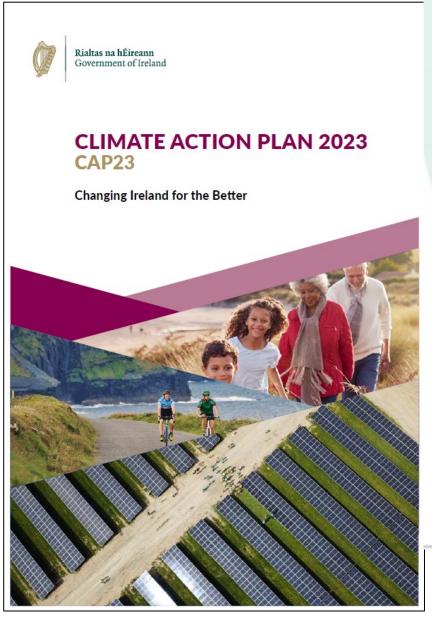


EU Forestry and Carbon

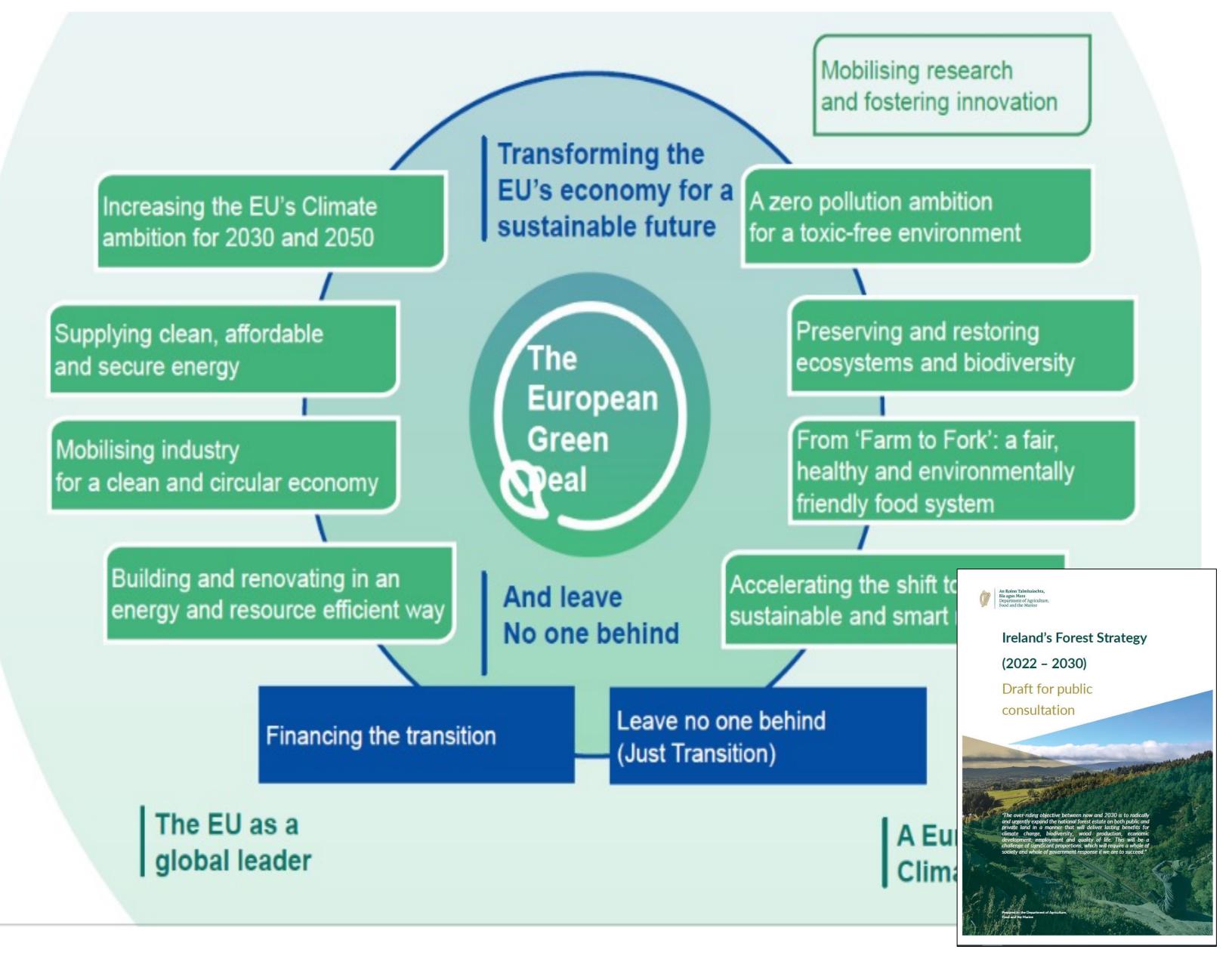








EU and National Context





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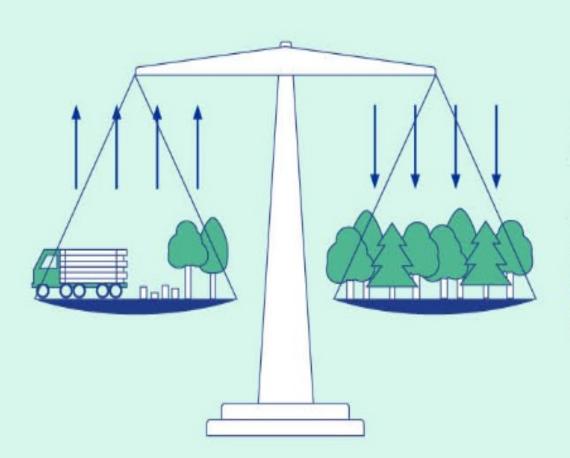
 The Climate Action Plan 2023 provides an indicative range of emissions required for each sector to 2030 to meet the overall 51% reduction.

For agriculture the sectoral target agreed is 25%

No target agreed for the LULUCF sector

Revised LULUCF Regulation (adopted by Council March 2023)

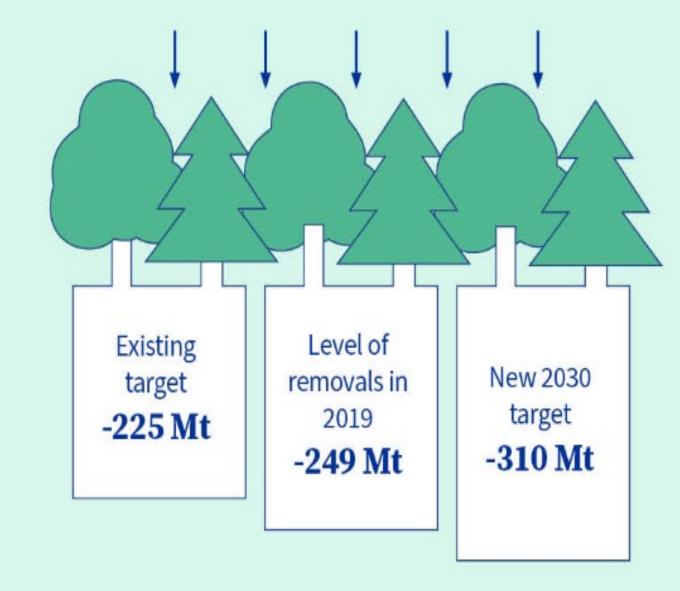
Increased target for carbon removals



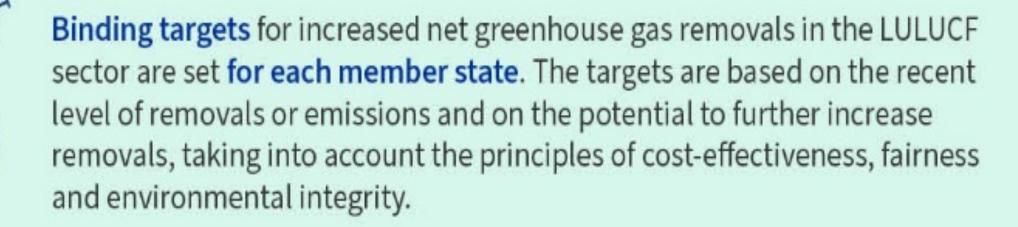
Under the current rules, EU member states must ensure that:

emissions from land use and forestry are compensated by an equivalent removal of CO₂ within the sector for the period 2021-2030 ('no debit' rule)

The new rules set a more ambitious EU-level target for carbon removals by 2030.



National targets



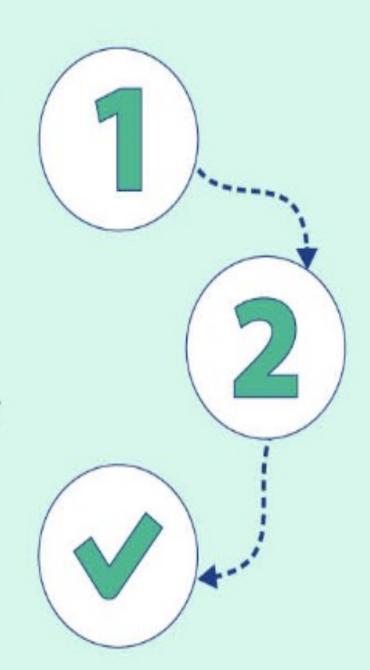
Rules for accounting emissions and removals in the sector are simplified.

Two-phase approach

- → Phase 1 until 2025: the current system remains largely in place, with the obligation for each member state to balance emissions and removals.
- → Phase 2 from 2026-2030: a new EU-level target for net removals of 310 Mt, with member states' targets for net removals contributing to the increased ambition.

In addition to national targets, each member state should commit to further net greenhouse gas emissions and removals under 'the budget 2026-2029.

Member states can continue to be able to use certain **flexibilities** to help comply with their targets, while respecting environmental integrity.



Carbon Farming



- EU certification framework of carbon removals was proposed by the Commission on 30 November 2022
- Important instrument in support of achieving the EU's goal to become the world's first climate-neutral continent by 2050
- Encourage more businesses, land managers, and other stakeholders to contribute to carbon sequestration
- Generate further income by being part of a harmonised and reliable certification framework.

EU Regulatory Framework

Creating a market for capture, use, and storage of CO2





Carbon farming, such as restoring forests, soils, and management of wetlands and peatlands



Permanent storage, such as bioenergy with carbon capture and storage, or direct air carbon capture and storage



Type of activity



QUANTIFICATION



ADDITIONALITY



LONG-TERM STORAGE



SUSTAINABILITY

Criteria Proposed

EU Timeline from 2023 - 2030



2023

EU Expert
Group on
Carbon
Removals to
complete its
work on
baselines

Oct 2024

Regulation published before the end of the Commission's term

2025

Operational
phase to
commence in
stages, empower
accreditation and
certification
bodies,
establishment of
registry and other
frameworks

2028

All land managers to have access to verified removal data and baseline data collection.

2030

Scheme to be fully operational.



An Roinn Talmhaíochta, Bia agus Mara Department of Agriculture, Food and the Marine

Thank you

