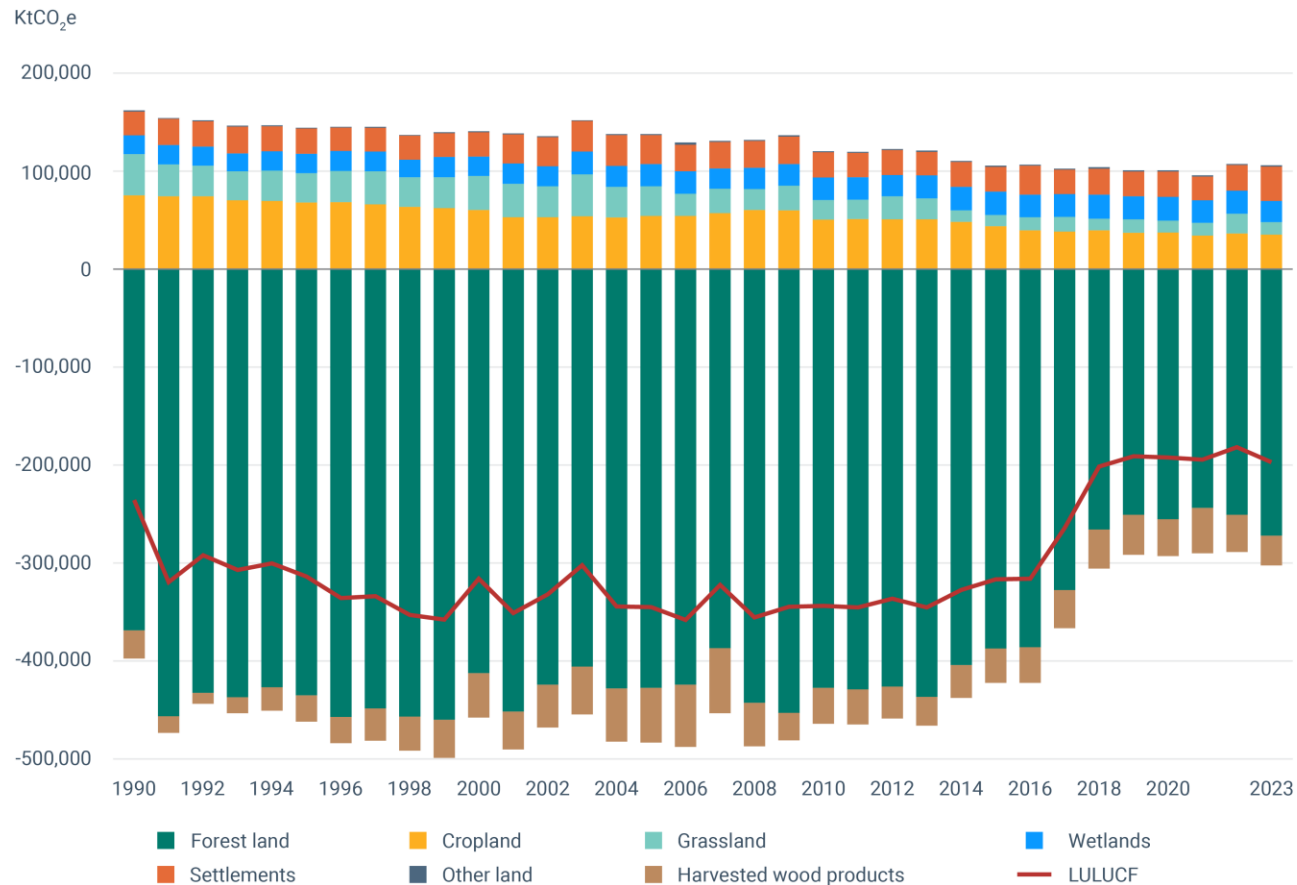


An aerial photograph of a river meandering through a lush, green forest. The river is dark and winds through several large, rounded islands of land. The surrounding forest is dense and vibrant green. A semi-transparent dark green banner is overlaid across the top of the image, containing white text. Another semi-transparent dark green banner is overlaid across the bottom of the image, containing white text. The overall scene is a natural, undisturbed landscape.

# Enhancing Europe's land sink Status and prospects

Linde Zuidema / OECD Expert Workshop Latvia/ 26-28 May 2025

# 1. Status of reported emissions and removals in the LULUCF sector 1/3

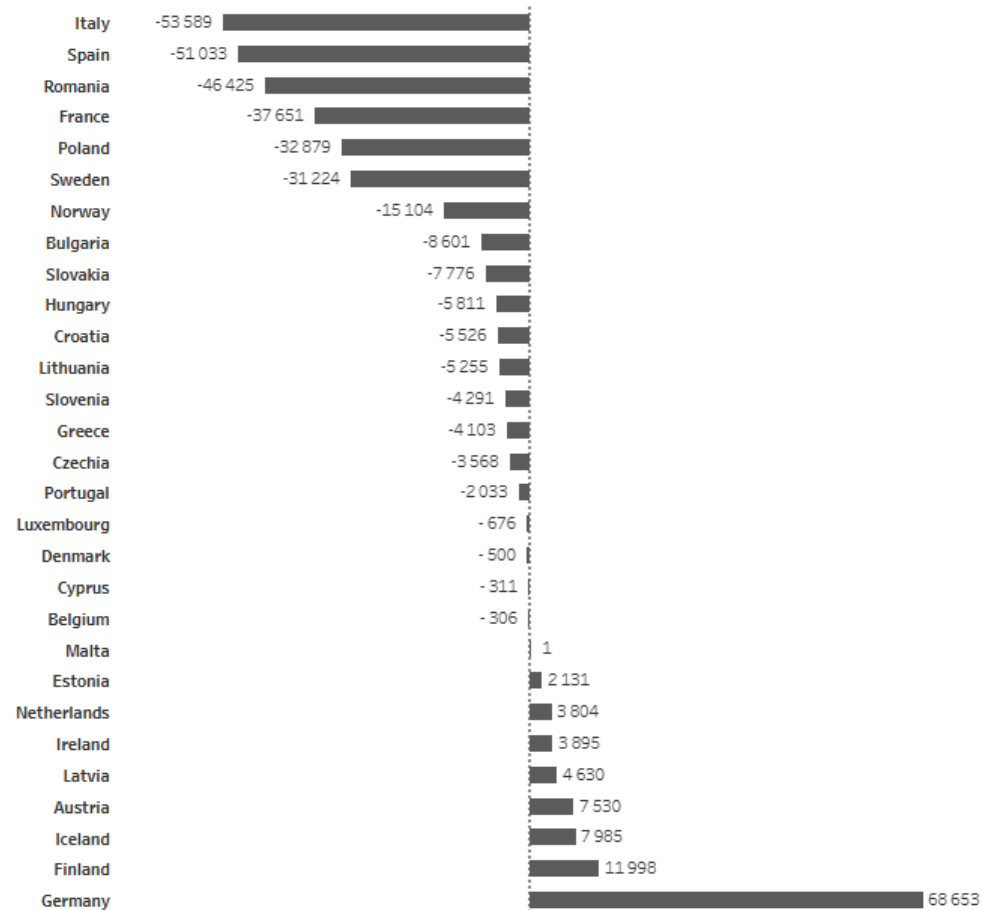


Source: EU GHG inventory (2025)

- In 2023, the LULUCF sector provided a net carbon sink at EU level of -198 MtCO<sub>2</sub>e, counterbalancing around 6% of emissions from other sectors
- The LULUCF sink has been declining since about a decade. Between 2014-2023 the average annual sink was 30% smaller compared to the decade before, largely due to a decline in Europe's forest sink.
- Cropland and Settlements are the major sources of emissions, including due to drainage of organic soils and conversion of high carbon stock land to Settlements.

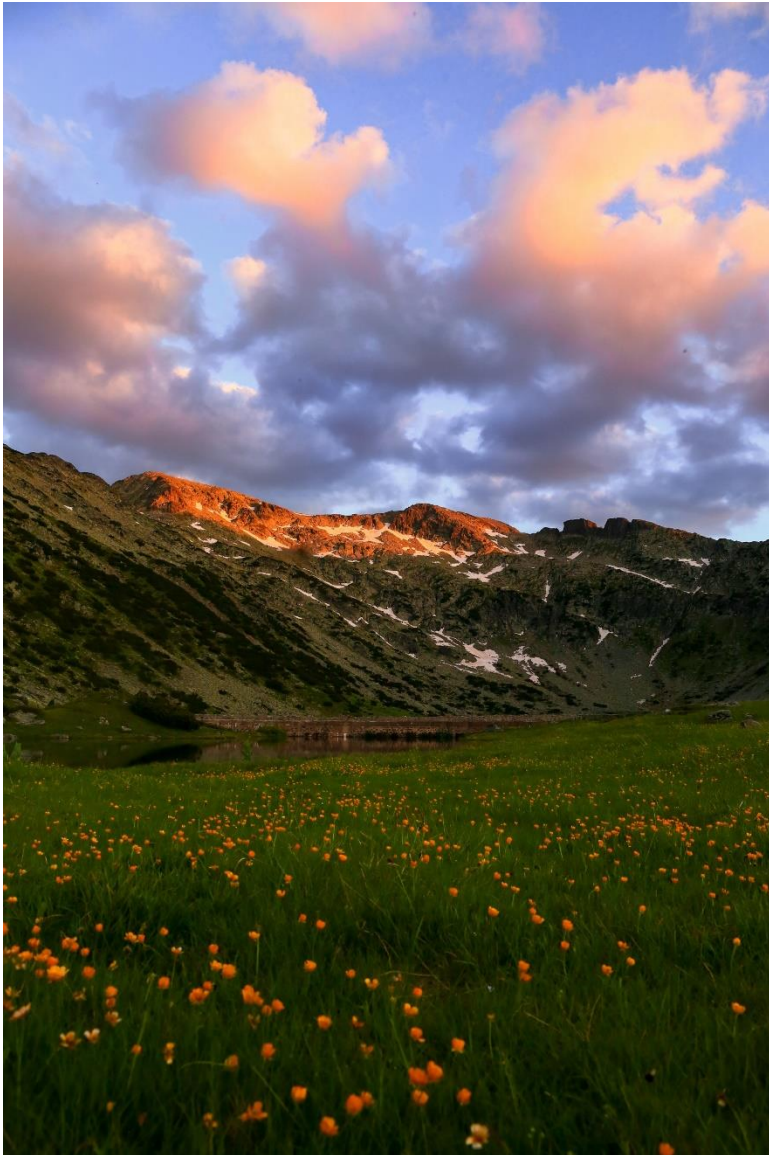
# 1. Status of reported emissions and removals in the LULUCF sector 2/3

Net emissions/removals per country in Kt CO<sub>2</sub>e in 2023



- Behind the EU-level data, there is strong variability between countries, with certain MS reporting LULUCF as a net sink and others as a net source of emissions.
- Such variability arises from differences in extent of ecosystems, land characteristics, management intensity, climate conditions and effects from natural disturbances.
- Most forest-rich countries saw a declining trend in their forest sink in recent years, with some exceptions (incl. IT, ES, HU).

## 1. Status of reported emissions and removals in the LULUCF sector 3/3



The decline in Europe's forest land sink has been driven by a combination of interrelated factors:

- i. Forests have matured. While they still sequester carbon, they do so at a lower rate.
- ii. Forest harvests have increased due to economic- and policy drivers, and salvage logging.
- iii. Climate change and natural disturbances have accelerated the decay of carbon stored in soils and dead organic matter, and forest fires, droughts and pests have affected standing trees.
- iv. The annual rate of afforestation has decreased compared to 50-70 years ago, contributing to factor (i) above.

Thank you

