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The 2040 climate target – next steps

Małgosia Rybak
Climate Change & Energy Director

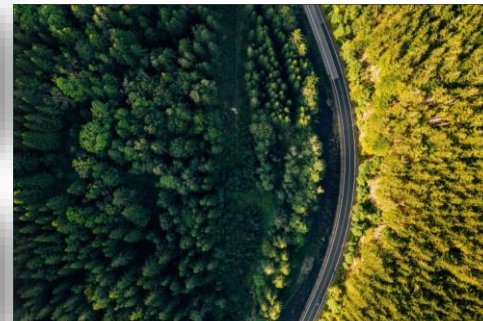
The 2040 climate target: ambition

- Following the departure of Frans Timmermans, Commissioner Šefčovič was elevated to executive vice president in charge of the European Green Deal and Wopke Hoekstra was nominated to become the incoming climate action commissioner
- Following their hearings in the European Parliament's Environment Committee, MEPs asked them additional questions in writing
- Both Commissioners-designate committed to “**defend a minimum target of at least 90% net reduction by 2040**”. This is in line with the recommendation of the European Scientific Advisory Board for Climate Change

The 2040 climate target: the Scientific Board's recommendation (1/2)

In light of the evidence summarised in the previous section, **the Advisory Board recommends a 2040 emission reduction range of 90–95% compared to 1990, corresponding to a greenhouse gas budget of 11-14 Gt CO₂e over the period 2030-2050.**

1. **Aim for the highest ambition in domestic emission reductions and sustainable carbon removals**, while accounting for feasibility constraints, environmental risks and technological deployment challenges.
3. **Pursue sustainable net-negative emissions after 2050**, as required under the European Climate Law, which would help manage temporary temperature overshoots and support the international balance of greenhouse gas emissions.



Scientific advice for the determination of an EU-wide 2040 climate target and a greenhouse gas budget for 2030–2050

The 2040 climate target: the Scientific Board's recommendation (2/2)

Figure 37 Comparison of gross emissions with removals capacities (filtered scenarios, EU)

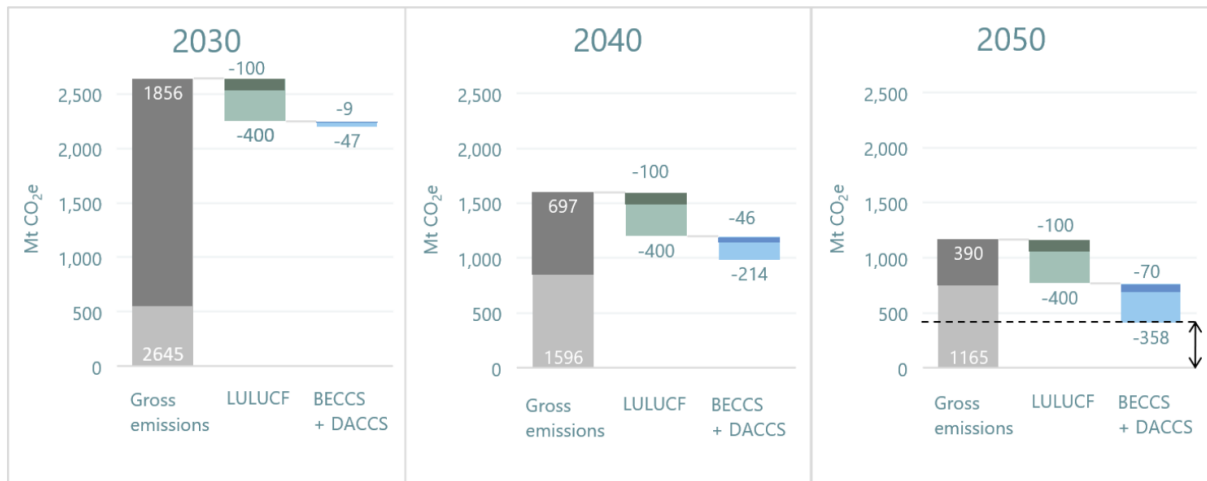


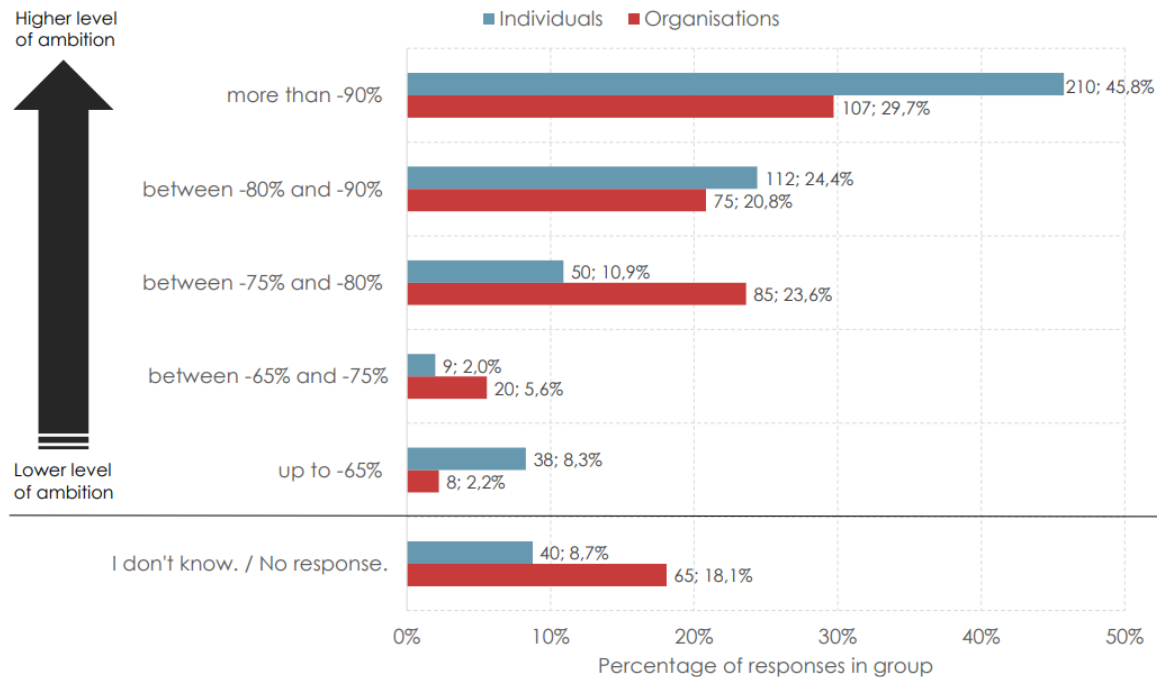
Table 16 Annual carbon removals from climate-neutral scenarios and further feasibility analysis (filtered scenarios, EU)

	2019	2030	2040	2050
LULUCF	237 Mt CO ₂		100-400 Mt CO ₂	
BECCS	-	9-44 Mt CO ₂	46-207 Mt CO ₂	70-336 Mt CO ₂
DACCS	-	0-3 Mt CO ₂	0-7 Mt CO ₂	0-22 Mt CO ₂

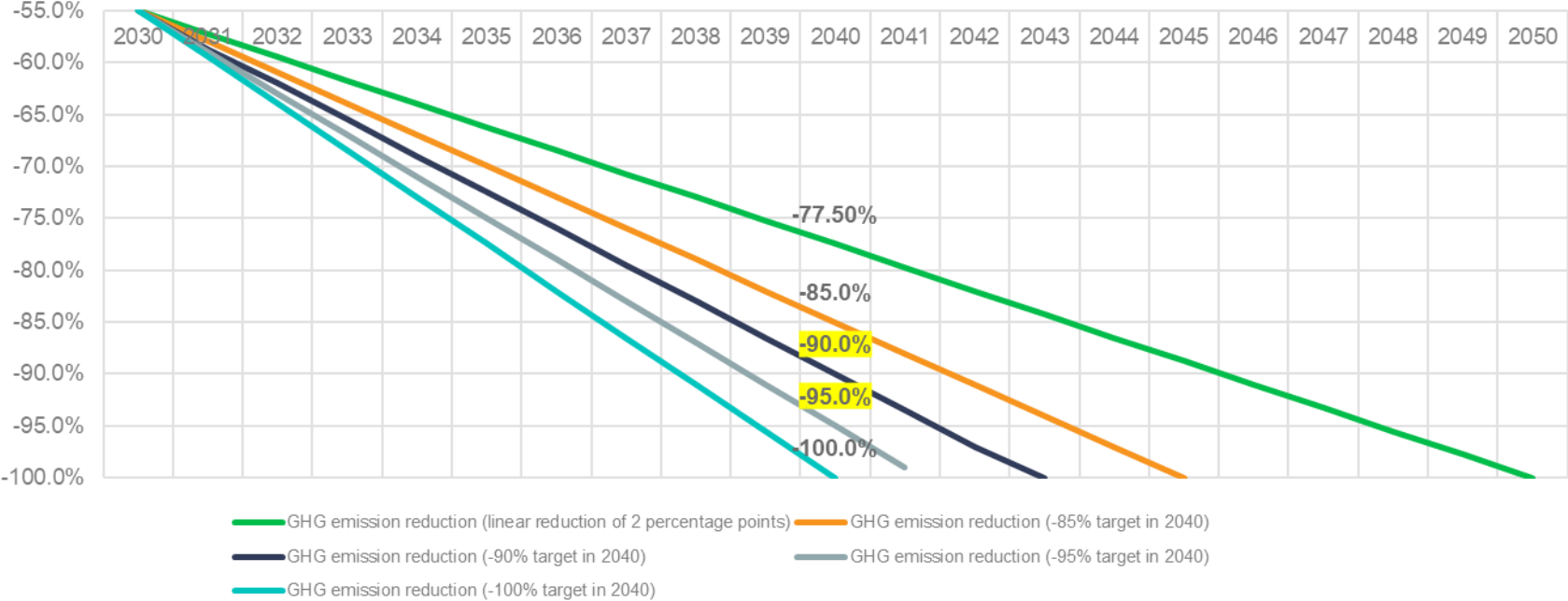
Source: Advisory Board (2023).

Responses to the EC consultation on the 2040 climate target

Q2: In your opinion, what should be the net emission reduction target for 2040 to put the EU on track to meeting the 2050 climate neutrality target?



Scenarios for the 2040 target



The 2040 climate target and the future of the ETS

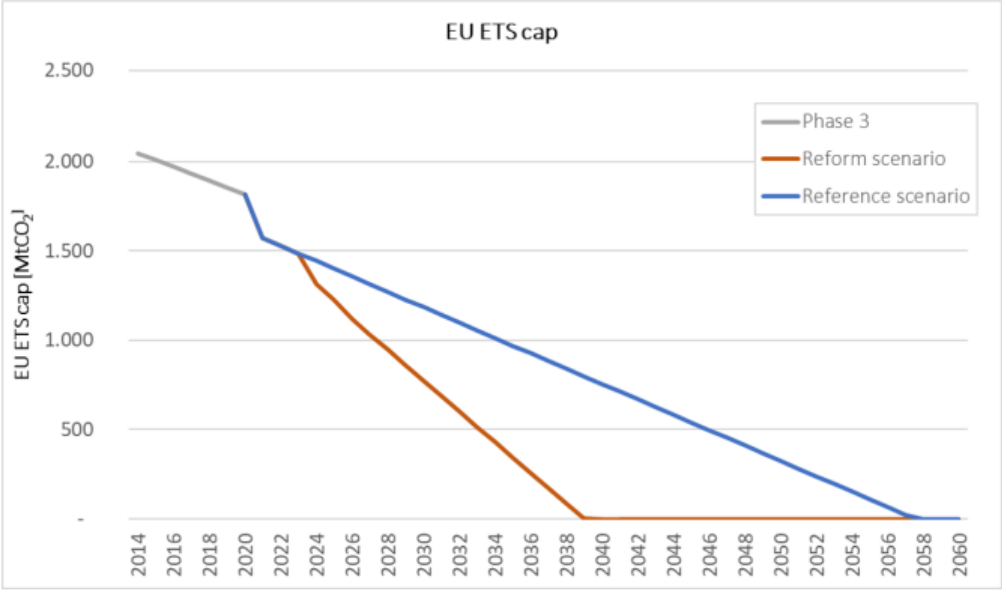


Figure 1: Cap in Reform scenario (adjusted to sectoral scope of LIMES-EU)

Source: Pahle et al., 2023.

The 2040 climate target: policy timeline

The Climate Law also requires the European Commission to propose a 2040 climate target in 2024

- 27 October 2023: The European Climate Stocktake – EU and global progress towards the goals of the Paris Agreement
- By end May (planned for Q1) 2024: The 2040 target should be proposed within six months of the first global stocktake carried out under the Paris Agreement, which will take place in Dubai at COP28 in December this year