

Objective of this Meeting

- To hear further evidence and have a discussion of potential carbon budget ranges.

Agenda:

- Scene-setting/update on activities
- Transport and the 51% target, DoT
- The Heat Study 2021, SEAI
- Report on Economy and Climate Justice, McKinsey
- Carbon Budget Strawman Numbers

Brief Update on Other Activities

- ESRI analysis
- UCD analysis
- McKinsey
- Skills and Training
- Biodiversity study
- Preparation of documents
- Sectoral Engagement

Feedback from Council

- Letter needs more detail and evidence cited
- Needs to explicitly address the finding against each criteria
- Secretariat will prepare a re-write

Next Steps: Sectoral Engagement & Expert Meeting

- Agriculture: Thursday 24th from 11 – 12:30
- Residential; Friday 25th from 10-11:30
- Transport: Friday 25th from 12 – 13:00 (13:30)
- Industry; Friday 25th from 14:00- 15:30
- Electricity and Finance TBD

Reminder for Expert meeting on the science of national mitigation efforts, gases, and 1.5C degrees *Tomorrow at 4pm*

State of Play on Top Down Analysis: Strawman

Megatonnes (Mt) of Carbon Dioxide		
An estimate of the Global Carbon Budget consistent with the Paris 1.5°C temperature goal is	440,000 MtCO ₂	
An estimate of the simple downscaled Global Carbon Budget for Ireland up to 2050 is	280Mt CO ₂	Simple calculation of allowed emissions of longlived GHGs (~an inheritance/wealth)
An estimate of negative emissions potential in Ireland is	200Mt CO ₂	Negative emissions or removals of CO ₂ can compensate for emissions of greenhouse gases so we can add this negative emissions potential to the simple budget (~additional one-off income)
An estimation of the negative emissions equivalent impact of methane reduction of; 1) 33% by 2030 (37% by 2050) is: 2) 25% by 2030 (30% by 2050) is:	260Mt CO ₂ 150Mt CO ₂	Methane is a shortlived gas, therefore rate of emission is also important. A reduction in rate of emission has a 'cooling effect' and may be added to the simple budget (~an additional one-off income)
Net total available carbon budget to Ireland up to 2050 is thus For the 33% scenario For the 25% scenario	740 Mt CO₂ 630 Mt CO₂	Adding up the simple carbon budget calculation, the negative emissions of CO ₂ and the negative impact of a reduced rate of methane (wealth + income defines how much you can spend)

Scenarios Modelled

	CO ₂ & F-Gases	CH ₄ & N ₂ O	Total	2021-2025 (TIM +CH ₄ & N ₂ O)	2026-2030	2021-2030
Scenario 1	69%	19%	51%	279 (170+109)	190 (91+99)	468 (261+208)
Scenario 2	65%	25%	51%	279 (172+107)	191 (97+93)	470 (269+201)
Scenario 3	61%	33%	51%	279 (174+105)	191 (105+86)	471 (279+191)
Scenario 4	57%	40%	51%	280 (176+103)	192 (112+80)	472 (289+183)
Scenario 5	51%	51%	51%	276 (176+101)	192 (122+70)	468 (297+170)

- Total is approximately the same
- What is our approach for CB3: 2031-2035 ?