

TYNDP 2024

Scenario Building

Stakeholder Roundtable on the Carbon Budget

ENTSO-E & ENTSG Event

13 July 2023 15:25 – 17:20 CEST

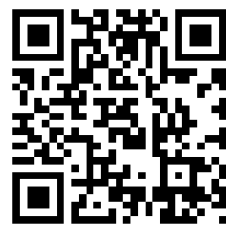


Agenda

No	Subject	TIME	WHO
1.	Introduction	15.25-15.30 5 min	Moderator
2.	Tour de table & Presenting the main points	15.30 -16.25 55 min	Each stakeholder presenting themselves and main points for 2 minutes
2.	Discussions	16.25-17.15 50 min	All
3.	Next Steps	17.15-17.20 5 min	Moderator

1. Introduction

Dante Powell, Innovation Manager, ENTSOG
5 minutes

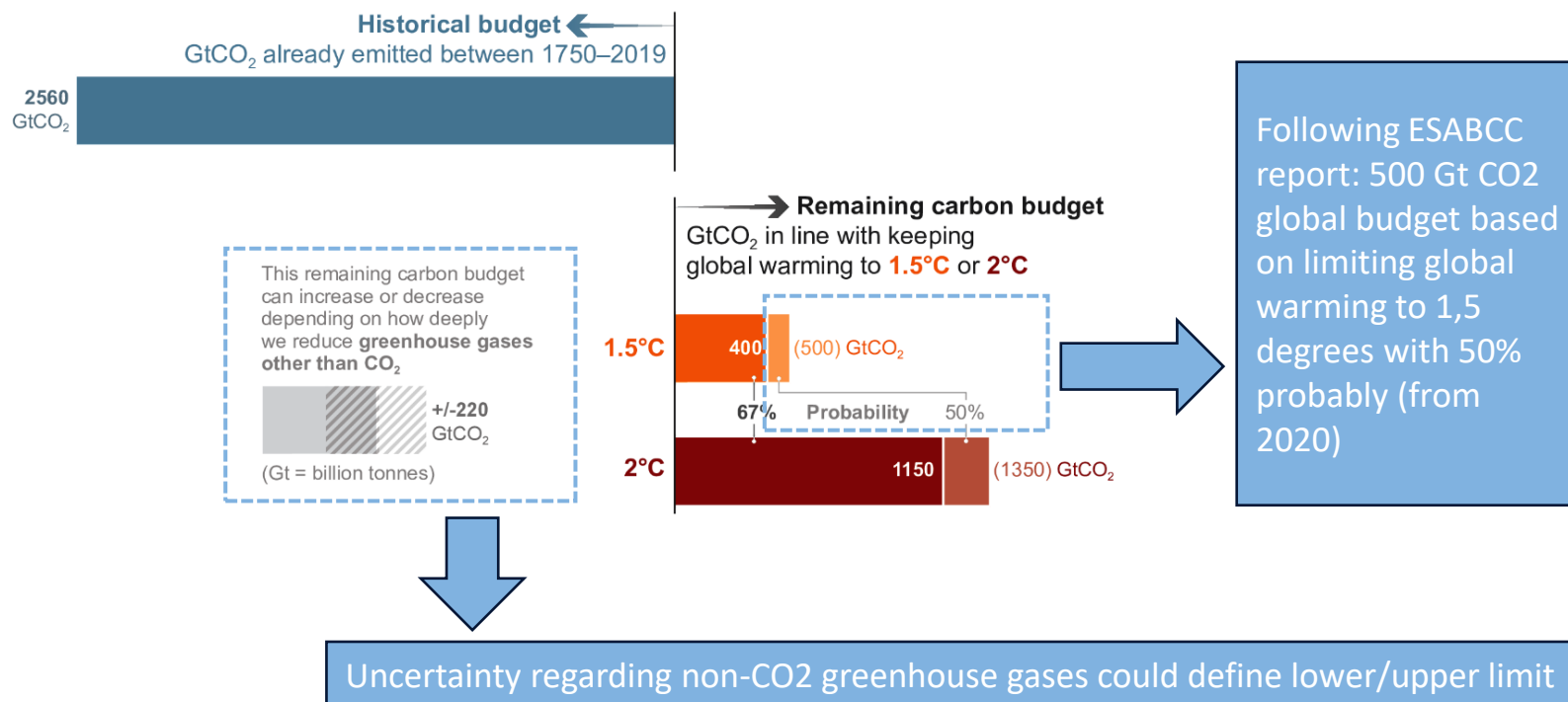


Carbon Budget Methodology

From IPCC Sixth Assessment Report to TYNDP 2024 scenarios

FAQ 5.4: What are Carbon Budgets?

The term carbon budget is used in several ways. Most often the term refers to the total net amount of carbon dioxide (CO₂) that can still be emitted by human activities while limiting global warming to a specified level.



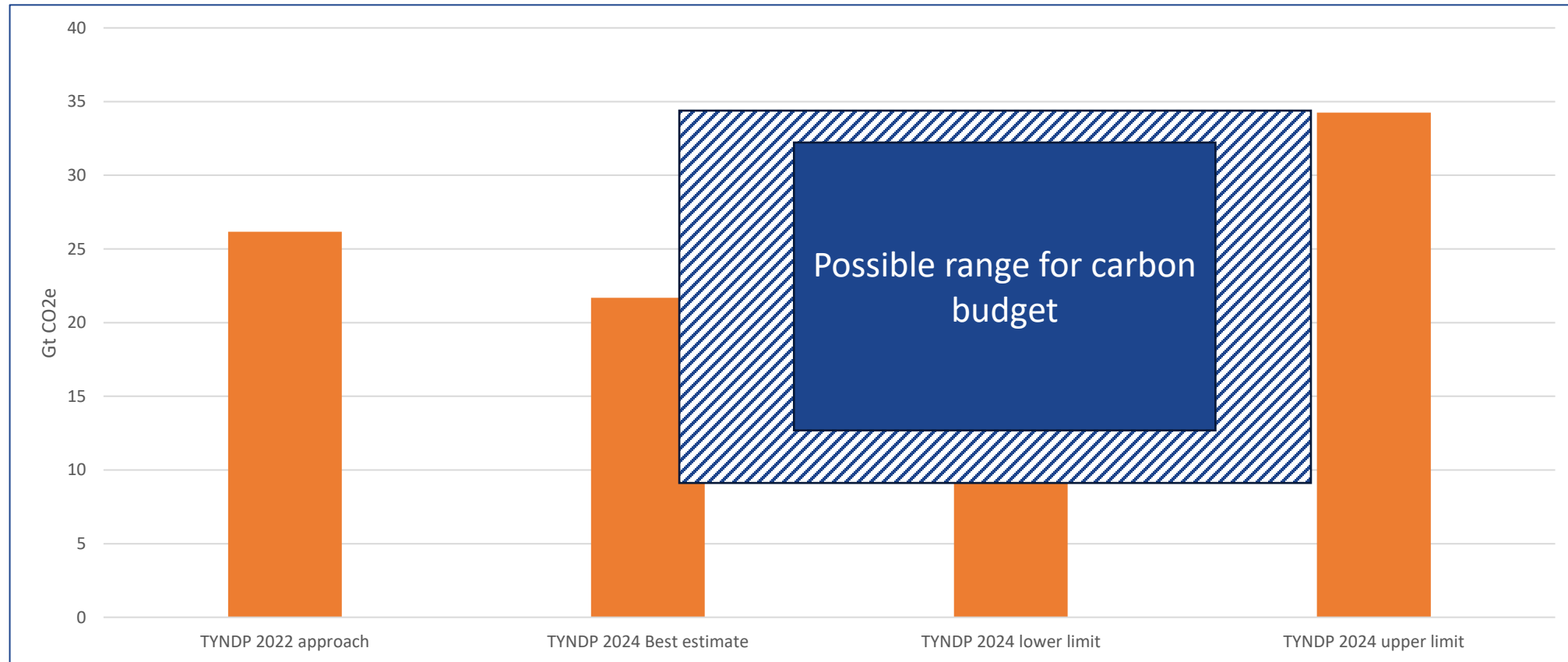
Several steps necessary to translate the IPCC Carbon Budget for the use of TYNDP 2024 scenarios

- Regional scope: Allocation of global CO₂ budget to EU27 via population share (equity share currently not feasible for ENTOSOs)
- Time-horizon: Historic emission in 2020 and 2021 needs to be accounted for

European share of global CO2 budget via population distribution



Carbon budget 2022-2100 (in GtCO₂)



2. Tour de table & Presenting the main points

Each stakeholder for 2-3 minutes
55 minutes

3. Discussion on the main points

All
50 minutes

Discussion on the main points

- How is the carbon budget calculated
 - Explained the population approach is used, with global budget based on IPCC report
 - CAN Europe propose to use the 67%
- Is hydrogen leakage included
 - Not considered
- Imported emissions
 - Countries offer a market and get paid for there products, they should be responsible for their emissions.
 - Very complicated to create a budget based on imports
- Demand reduction is the best route to carbon reduction
 - Significant demand reduction leads to other economic implications

Discussion on the main points

CAN Europe in favor of land sinks

- Temperature change will change land use
- DAC could be considered as a long term solution. CAN doesn't see DAC as a major player
 - ARTELYS only used DAC when carbon budget is 0

4. Next Steps

Dante Powell, Innovation Manager, ENTSOG
5 minutes

Next Steps

- Early August: The summary of the stakeholder roundtable will be published
- 8 August: Deadline for submissions to the public consultation's online survey
- September: First meeting of the Stakeholder Reference Group (ETAG)
- End-year: Second public consultation with focus on electricity and hydrogen modelling results

Thank you for your attention

Location: online

Date: 20.02.2023

