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What Baseline for CORSIA?

ICAP IETA Carbon Markets Virtual Pavilion

Lambert Schneider | Berlin | 11 November 2020

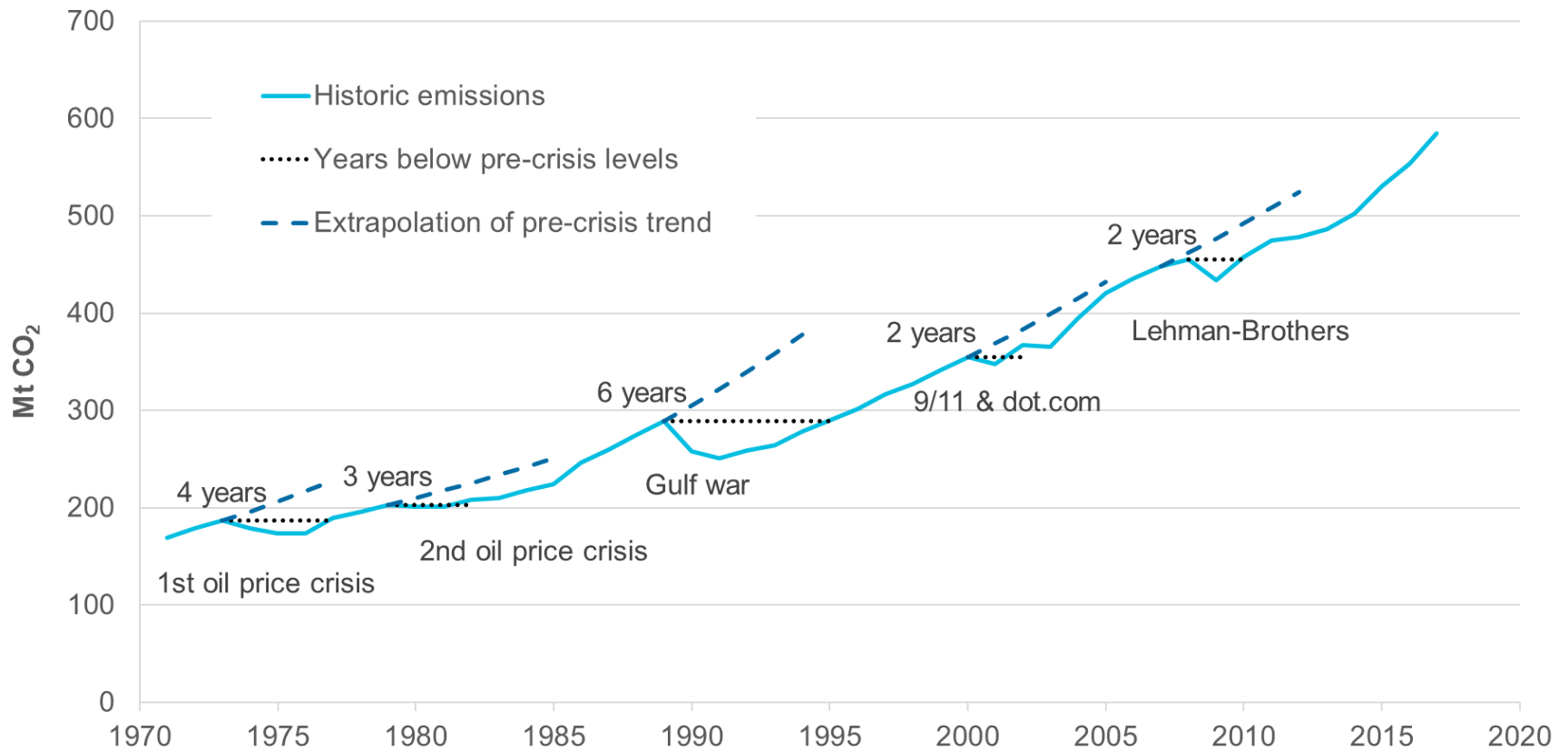
What baseline for CORSIA?

- 2010: Adoption of carbon neutral growth from **2020** onwards
- 2016: Baseline as average of **2019/2020** emissions
- 2020: Baseline of **2019 only** for pilot phase 2021-2023 amid COVID-19 pandemic
 - Fears that low 2020 emissions amid COVID-19 pandemic could lead to higher offsetting requirements for the industry

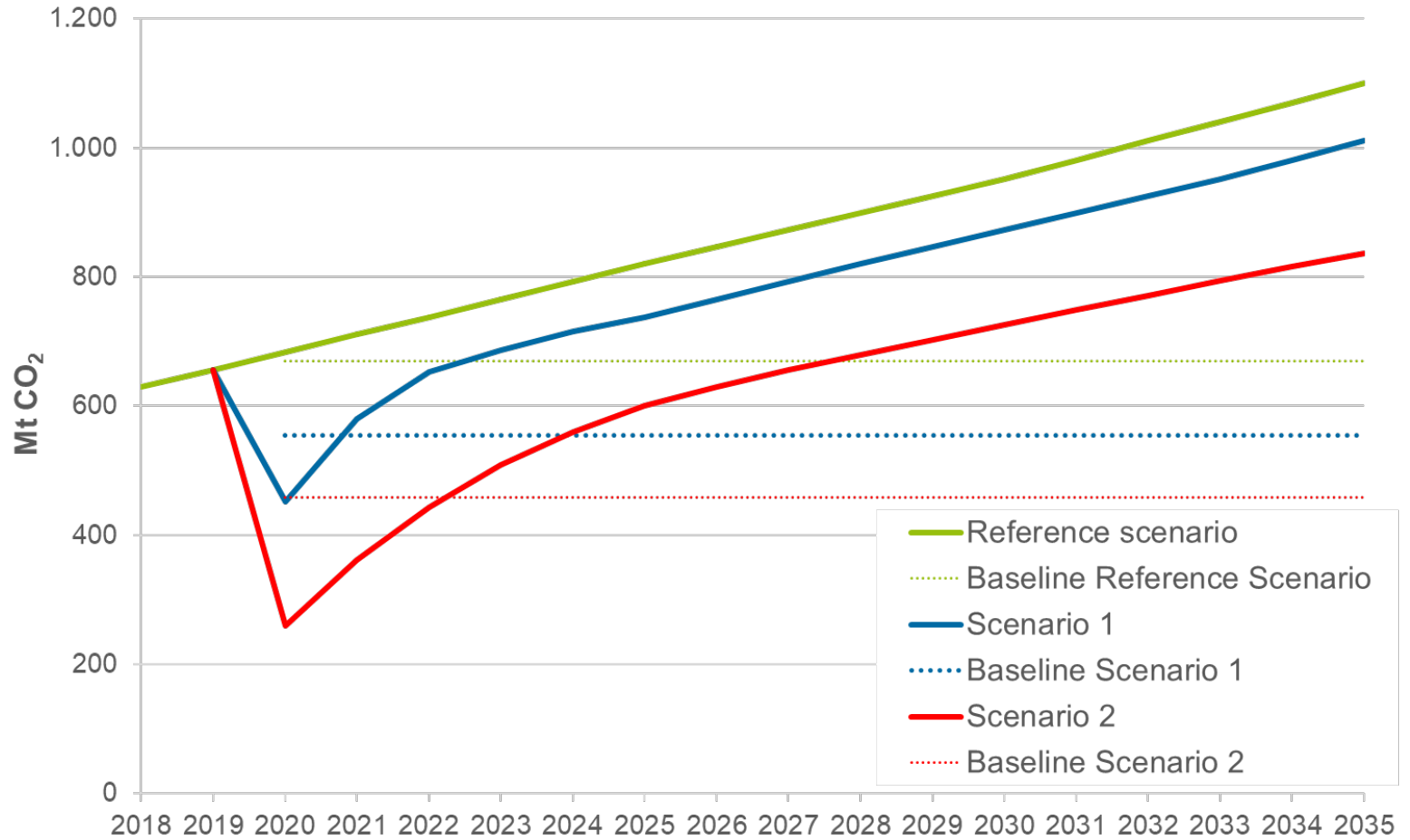
Two effects from COVID-19

- Lower 2019/2020 baseline => More offsetting needed
- Lower future emissions => Less offsetting needed

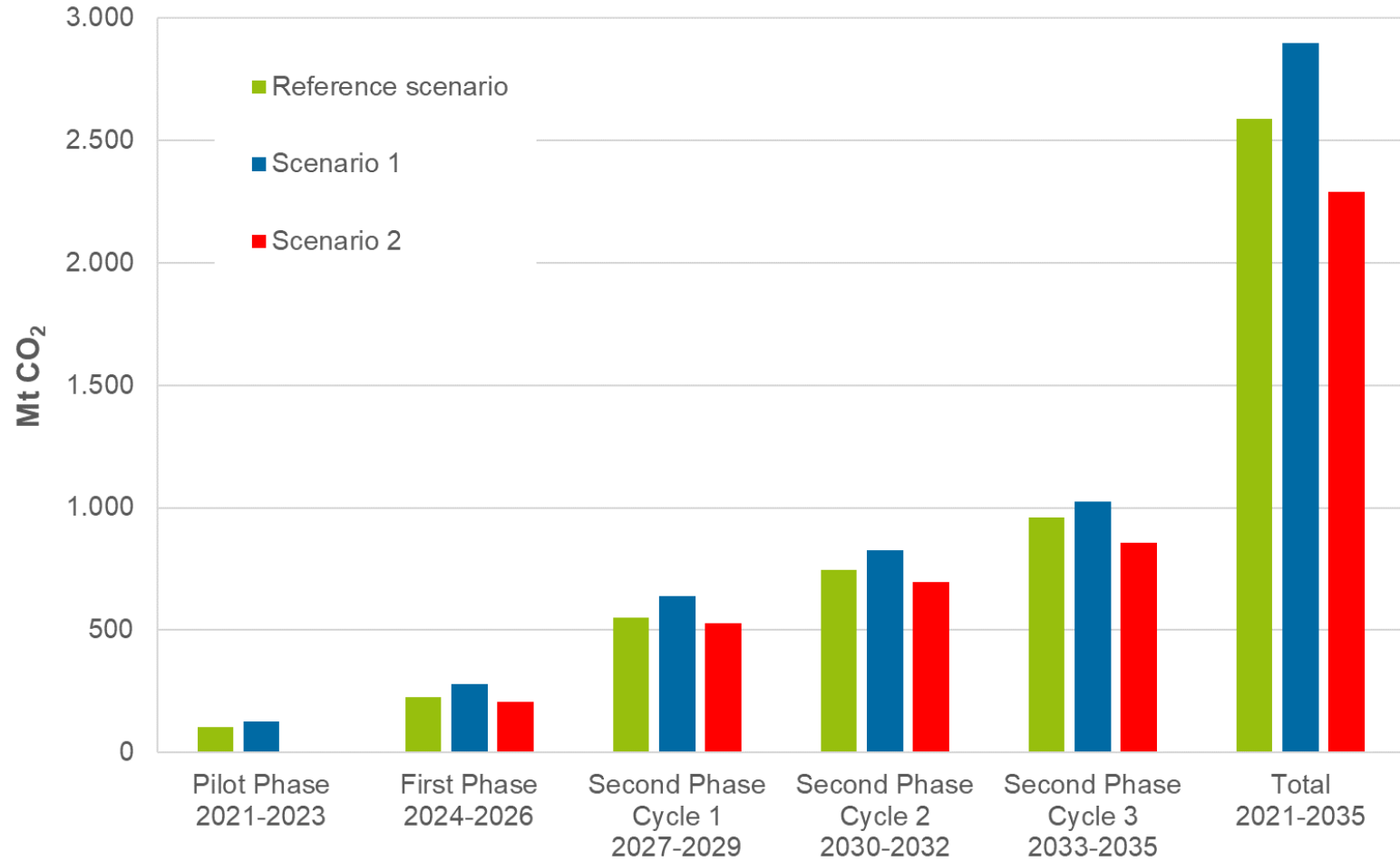
Impact of previous recessions on aviation emissions



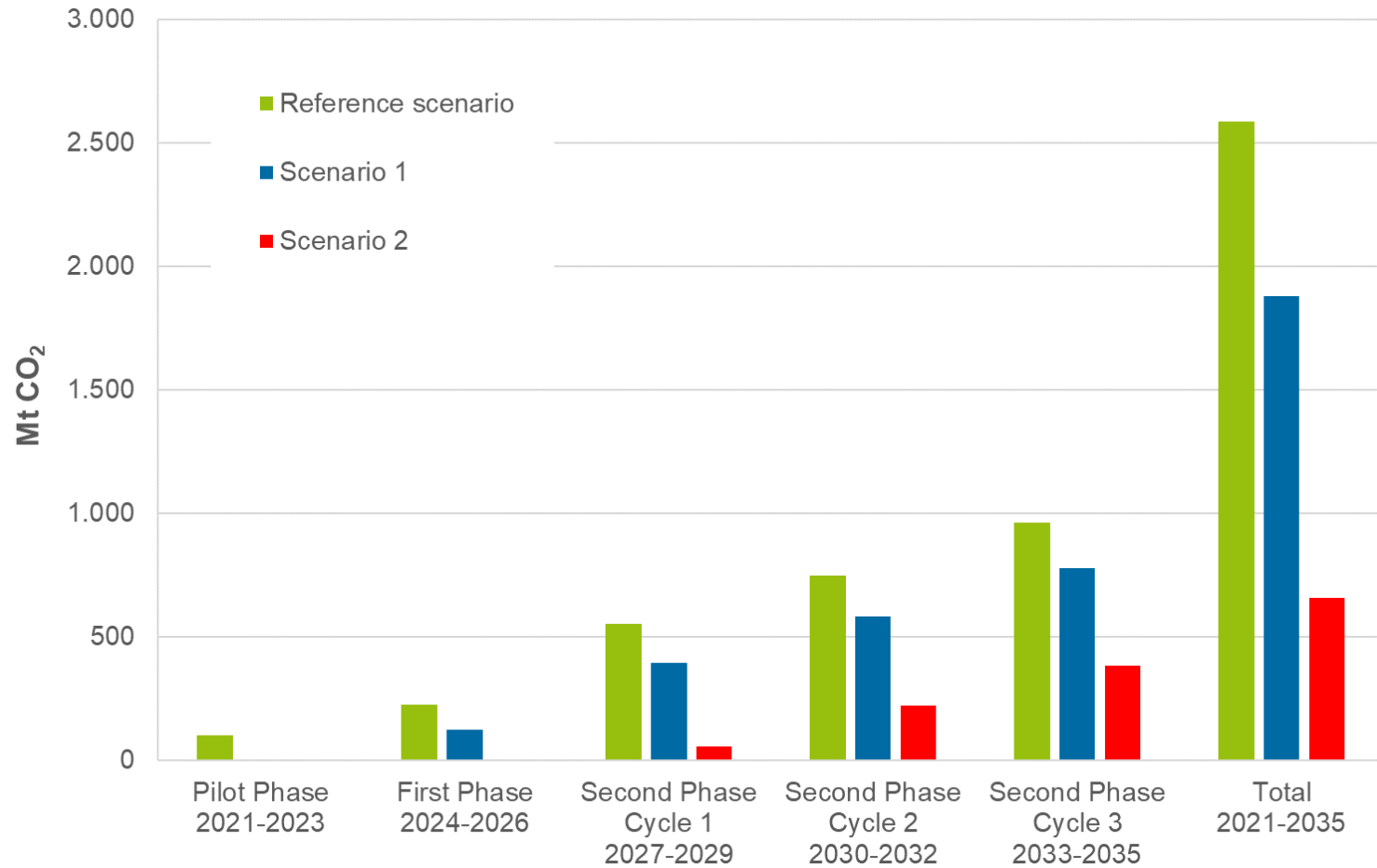
Impact of the COVID-19 pandemic



Offsetting requirements with 2019-2020 baseline



Offsetting requirements with 2019 baseline



Conclusions

- No offsetting requirements in pilot phase (2021-2023)
- Shape of future recovery important for offsetting demand
- A 2019 baseline for future phases likely to imply
 - About 0.7 – 1.9 GtCO₂e less CO₂ abatement efforts over 2021-2035 compared to scenario without COVID-19 (25-75%)
 - No GHG abatement efforts needed in next 3-6 years

⇒ **Important to maintain 2019-2020 baseline for 2024 onwards**

Outlook: Key issues for CORSIA's environmental impact

- Review of ambition of current goal
 - Alignment with Paris Agreement goals
 - Baseline for future compliance periods
 - Consideration of non-CO₂ impacts based on new science (new paper by Lee et al 2020)
- Avoiding double counting with the Paris Agreement
- Quality of eligible units
 - Credits vintages eligible from 2024 onwards
 - Revisiting inadequate time frame for addressing non-permanence

Thank you for your attention!

Recent publications on CORSIA:

[Should CORSIA be changed due to the COVID-19 crisis?](#)

[Avoiding double counting between CORSIA and NDCs](#)

[Options for Improving the Emission Unit Eligibility Criteria under the CORSIA](#)

[Offset credit supply potential for CORSIA](#)

[Lessons learned from the first round of applications by carbon-offsetting programs for eligibility under CORSIA](#)

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