Carbon catch-up

Navigating decarbonization in aviation with carbon removal solutions

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ETH zürich

SWISS

IATA

The webinar will start in a few minutes

Navigating decarbonization in aviation with carbon removal solutions

Our speakers and moderator

Speaker

Melanie Heiniger
Head of Corporate Responsibility, Swiss International Airlines (SWISS)

Speaker

Cyril Brunner
ETH Zürich

Speaker

Hemant Misty
Director Net Zero Transition Sustainability & Economics, IATA

Moderator

Laurent Müller
Director Strategic Partnerships Management, Climeworks

Navigating decarbonization in aviation with carbon removal solutions

Agenda

Climate impacts of aviation today and the pathways toward climate-neutral aviation

- Cyril Brunner

IATA decarbonization roadmaps and milestones to reach net-zero by 2050

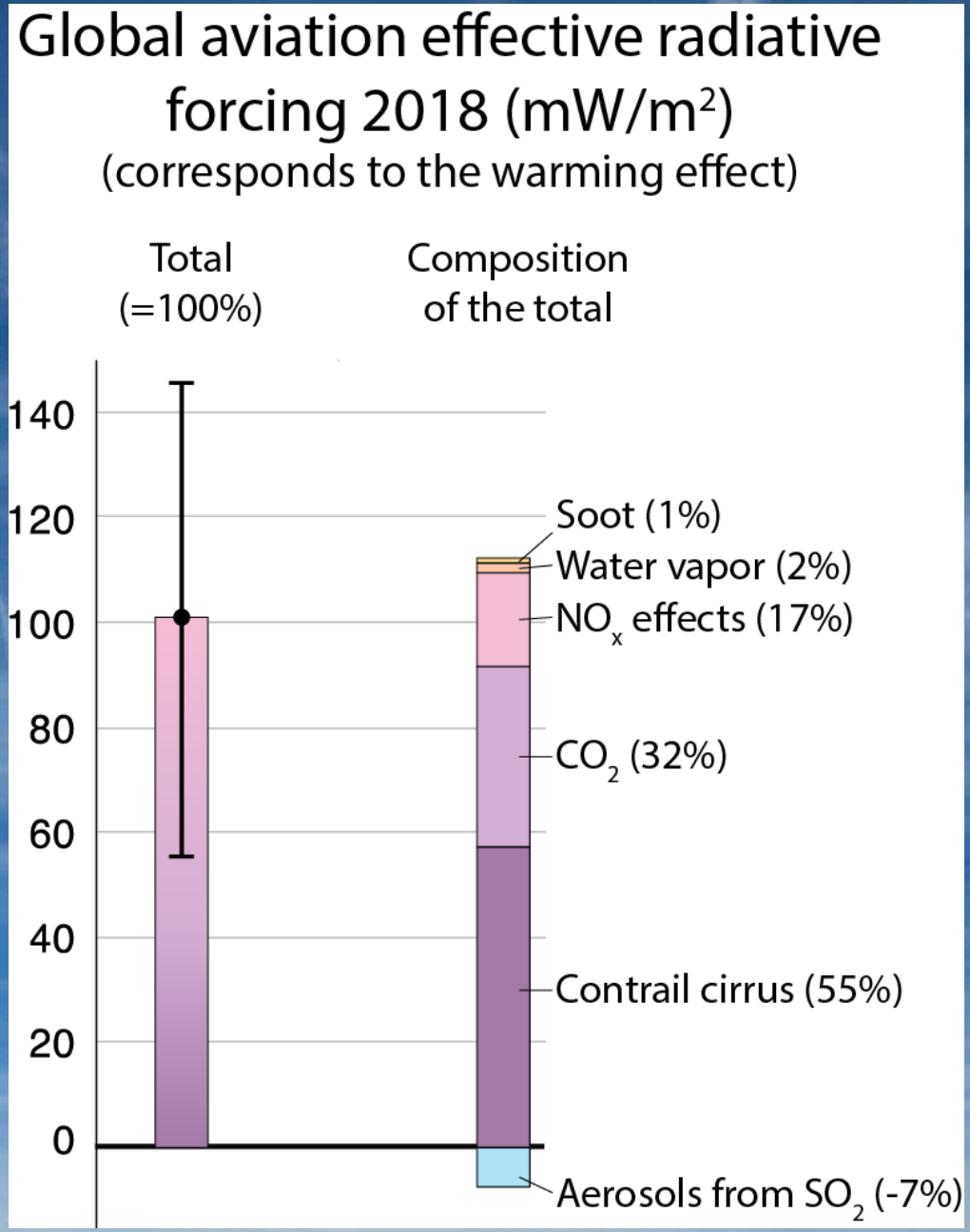
- Hemant Mistry

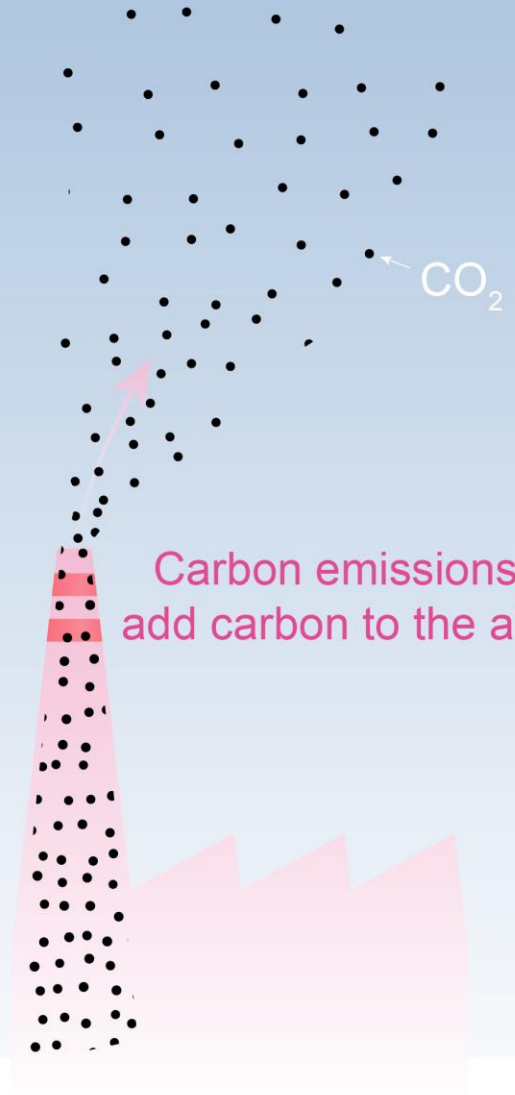
The value for airlines to invest now in Direct Air Capture and high-quality CDR

- Melanie Heiniger

Panel and Q&A

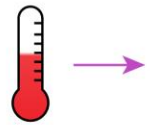
Aviation contributes ~4% to todays warming. Where does the warming come from?

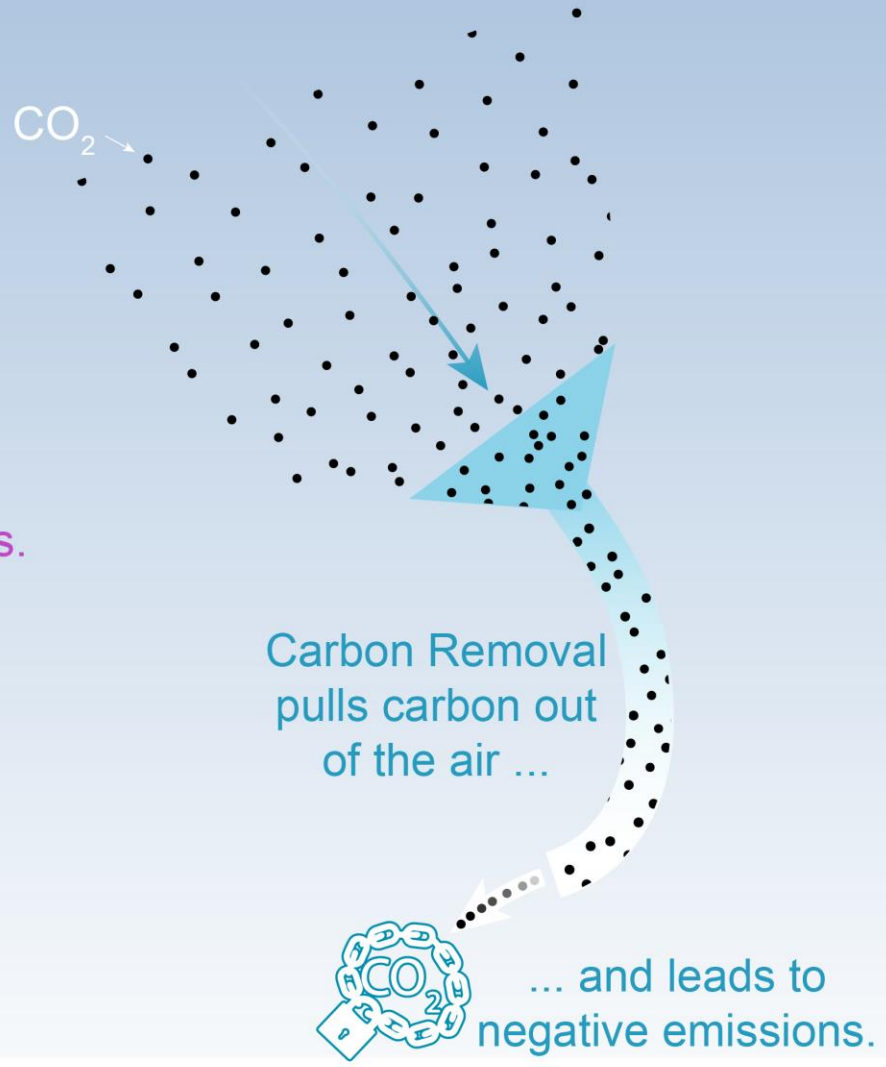




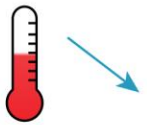
Carbon Emissions

Carbon Offsets

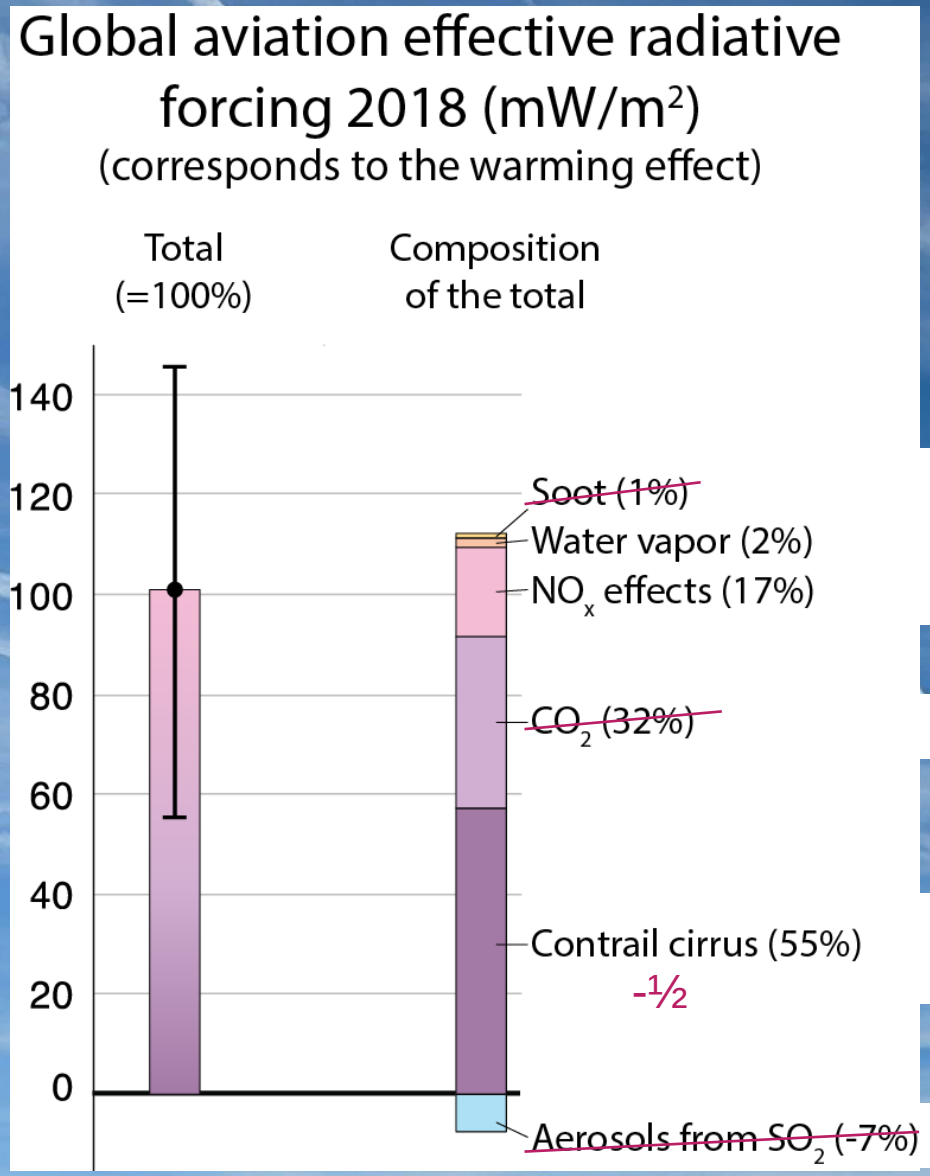




Carbon Dioxide Removal



Climate-neutral aviation is possible. An example for SAF 2.0 + CDR:



Cleaner combustion with SAF 2.0

Needs to be neutralized with CDR

Needs to be neutralized with CDR

Combustion is CO_2-neutral

Fewer aerosols with SAF 2.0, thus, less long-lived contrails

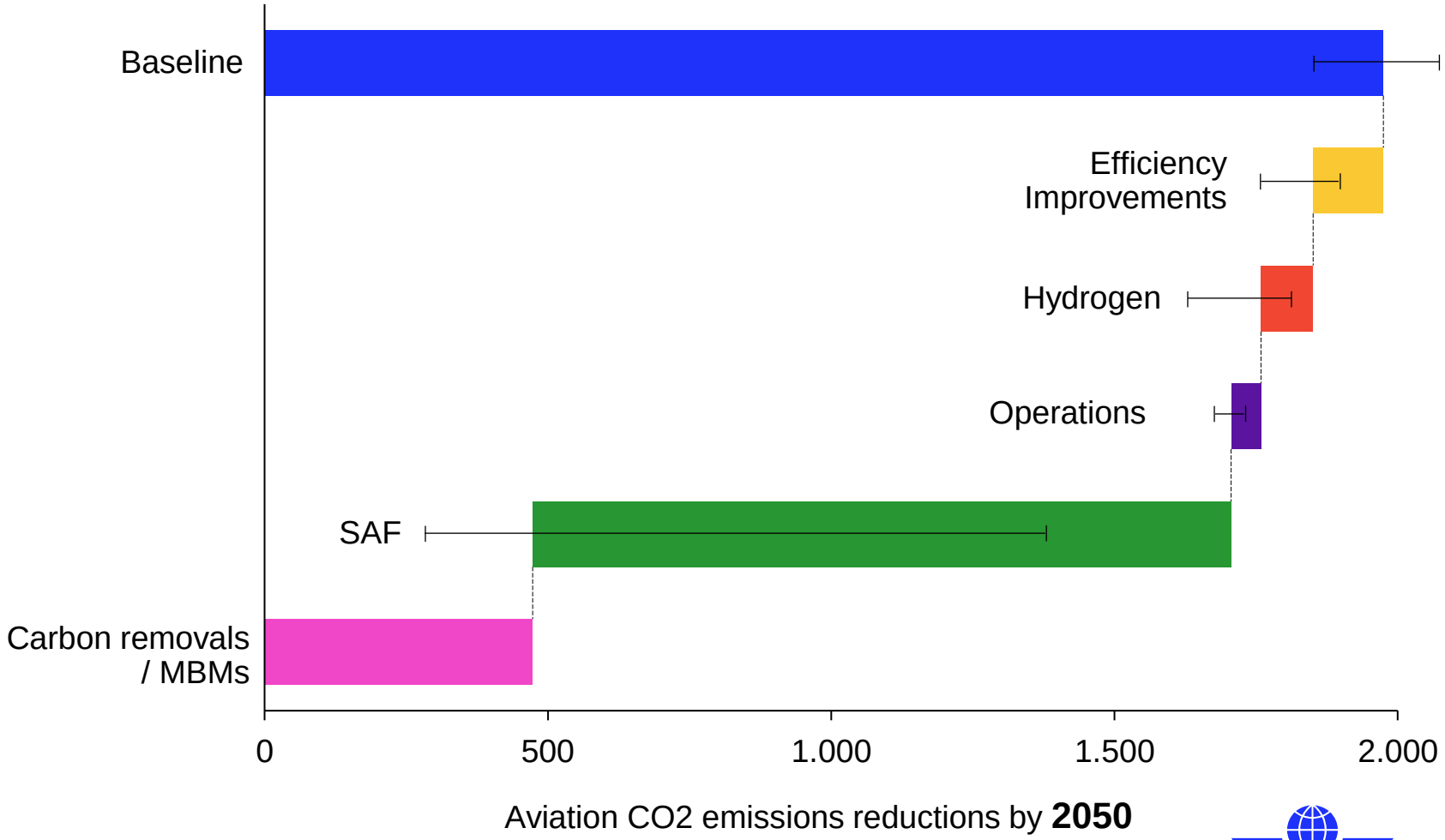
Rest needs to be neutralized with CDR

Cleaner combustion with SAF 2.0

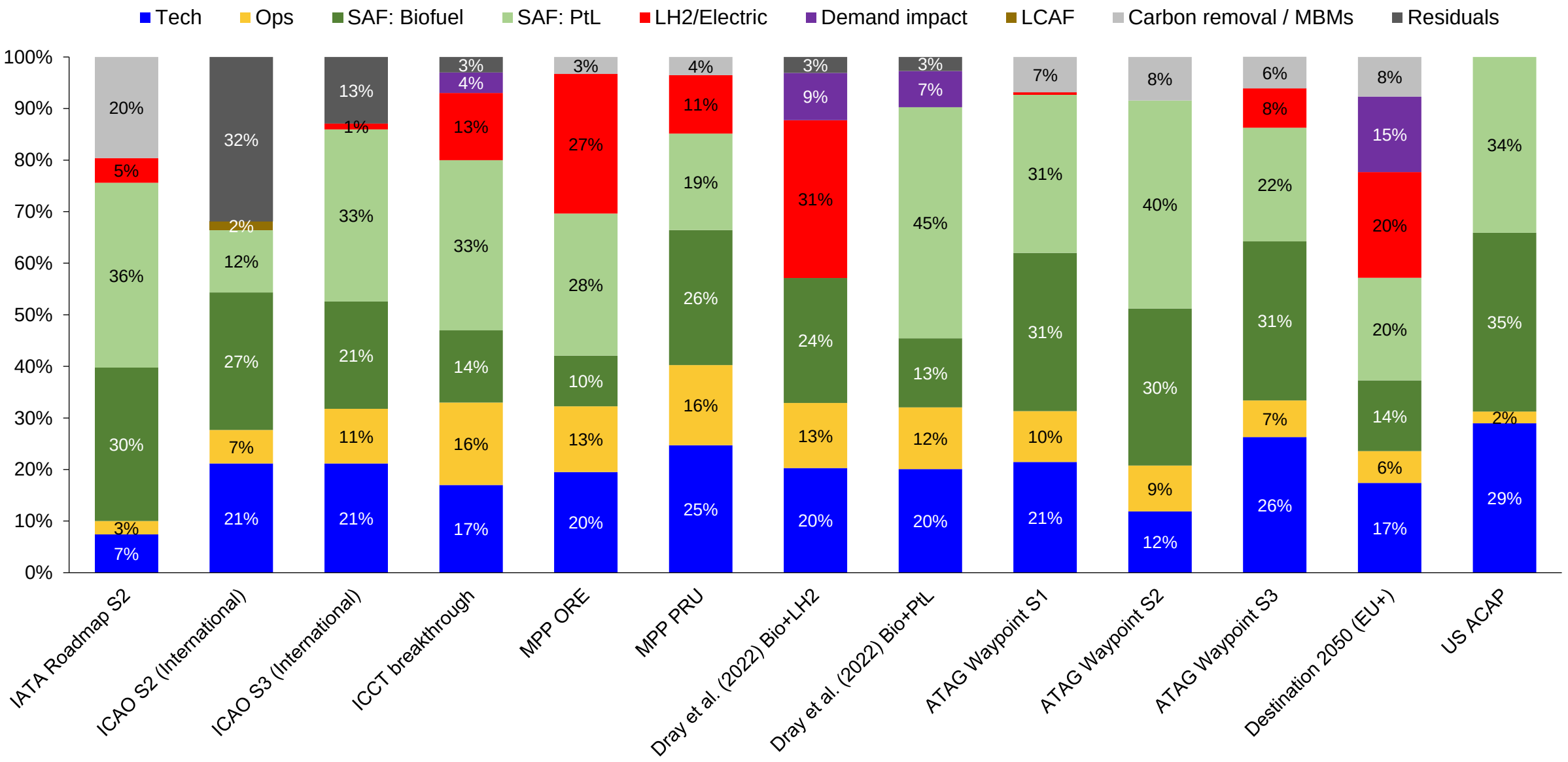
CDR: carbon dioxide removal

IATA Net Zero Roadmap: levers to get to net zero CO2 by 2050

- Harmonize policies
- Accelerate progress
- Reduce costs
- Enable transition



Net-zero roadmaps: multiple levers in different combinations



Source: IATA Sustainability and Economics, new report “Aviation Net-Zero CO2 Transition Pathways Comparative Review”

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Thank you for joining

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