

COP28: RECAP

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Impressions

Suprises

Commitments

Impact on NZ

































Global Stocktake



Fossil Fuels

Mentioned for the first time in text

Removal Technologies Including CCUS

Role of Business

text highlights important role of business in transition











Status of COP28 negotiation

Number of Agreed Agenda Items







5 Pledges stood out



Triple Renewable Energy & Double Efficiency by 2030

Endorsed by 130 Countries including New Zealand



Oil and Gas

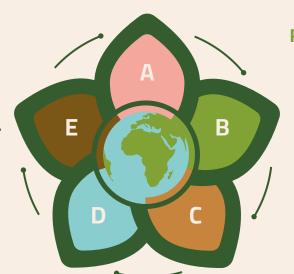
Decarbonization Charter

Endorsed by 52 Major Oil

Endorsed by 52 Major Oil and Gas Companies

Declaration to Triple Nuclear Energy

Endorsed by 22 Countries



Responsible Deployment of Renewables-Based Hydrogen

Endorsed by 59 companies

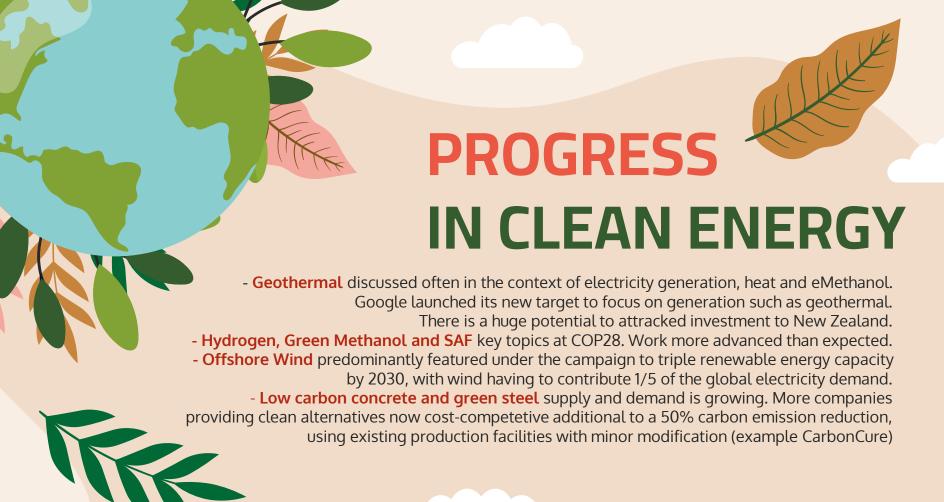
Certification Schemes for renewable and lowcarbon hydrogen

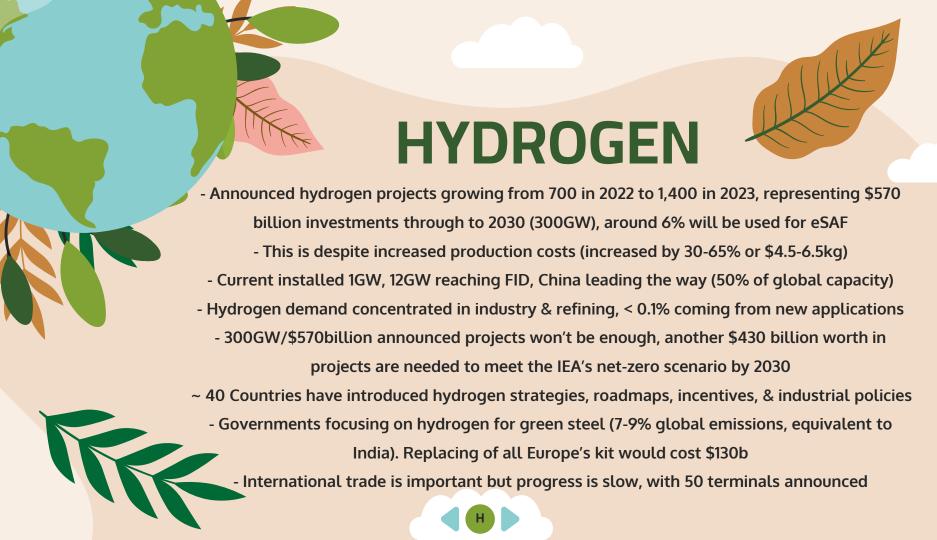
Endorsed by 37 Countries including New Zealand













- Aviation accounts for 2% global emissions,

global fleet needs to double to keep up with demand by 2050

- SAF can reduce the aviation sector's carbon footprint by up to 80%
- 490,000 flights using SAF in 2023. However, SAF represents only 0.2% of all global jet fuel
- Boeing committed to all planes capable to run on 100% SAF by 2030. Airbus and Lufthansa are strong advocates, with Lufthansa already using ~20% in Business Class
- EU's new aviation fuel mandate (2% in 2025, increasing to 70% by 2050) is sparking significant interest in production expansion and supply contracts.
 - In 2026 EU will start phasing out free emissions allowances for carriers under its ETS
- However, rolling out SAF in EU alone requires ~ €820bn (2018 prices) + €1.1trn required for BAU
 - Companies like Neste simply can't scale fast enough, with more producers entering the market (BP, ENI, Total Energy, Valero, ...) challenges include available feedstock & limited financial capability, this is where E-SAF can play a role

- SAF could provide NZ with new export opportunities & add positively to energy security

Green Methanol

- Shipping accounts for ~ 3% of global emission

green methanol emerges in the shipping industry, 65-90% lower in emissions than conventional methanol

~ 80 green methanol projects have been announced, examples mentioned at COP28, EU Commission, Breakthrough Energy, & European Investment Bank announced to support EU's largest e-methanol plant for shipping (Ørsted's FlagshipONE), Maersk launched first methanol dual-fueled feeder vessel in 2023, another 14 vessels are planned by the end of 2025, MethaShip project in Germany, focusing on methanol powered cruise

ships and ferries, and there is also the SUMMETH and GreenPilot projects in Sweden

- green methanol production currently sits at ~ 1mt & is expected to reach 8mt by 2027
 - premium eMethanol is still 3 to 4 times more than conventional methanol
- EU emission reduction targets for shipping will be impactful (6% by 2030, 31% by 2040, 62% by 2045)

While the challenge of scaling up green methanol is significant, countries like NZ might have a competetive advantage (highly renewable electricity grid, already existing methanal infrastructure)





New Zealand's Climate Commitments

New Zealand has taken significant steps in various areas:

- mitigation, adaptation, and addressing loss and damage.
- NZ's ambitious NDC is set to reduce net GHG emissions by 50% below 2005 levels by 2030

Focus Areas for New Zealand

The new government is committed to achieving its target by addressing emissions drivers and collaborating with the private sector:

- Resilient infrastructure, renewable energy, and low-carbon fuels.
- Innovations to reduce agricultural emissions and capture carbon.

Climate Adaptation and Collaboration

- New Zealand will equally focus on adaptation and mitigation.
- Collaboration with Pacific neighbors is a priority.
- Mobilising financing, scaling up research, and ensuring food security are key.





Do you have any questions?

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