



# TCP Universal meeting 25-26 October 2023

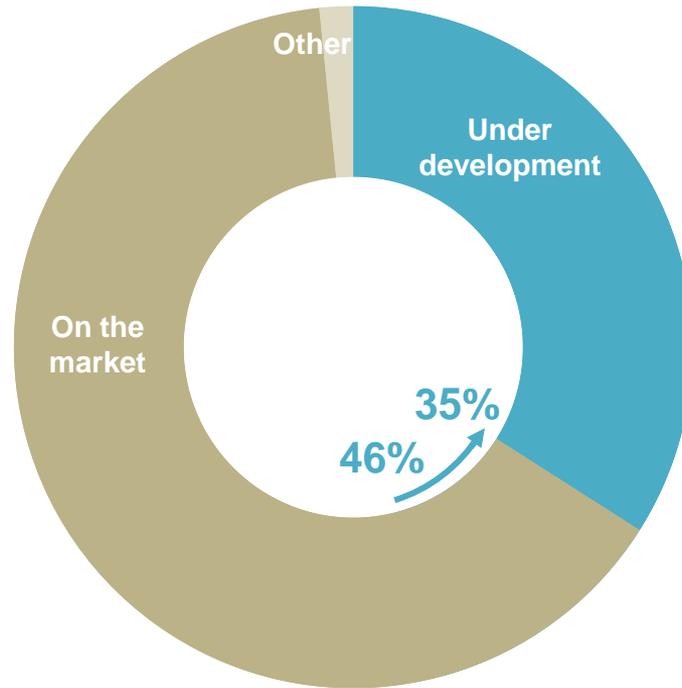
Opening remarks

Timur Gül, Chief Energy Technology Officer, IEA

- IEA founded in 1974. Besides securing sustainable supplies of oil, members agreed to explore alternative sources of energy and energy conservation measures through long-term co-operation.
- In November 1975, the Governing Board conducted a special meeting on energy R&D in which Members were represented by their respective R&D principals.
- Priority co-operative programmes were on coal, solar, radioactive waste management, fusion, hydrogen, nuclear safety, waste heat utilisation, conservation of energy and energy system analysis.
- Over 80 TCPs have been created over the almost five decades of technology collaboration.
- Today 39 TCPs with representatives from 55 countries, around 300 institutions and with a network of thousands of experts.

# Innovation is already delivering new tools and lowering their costs

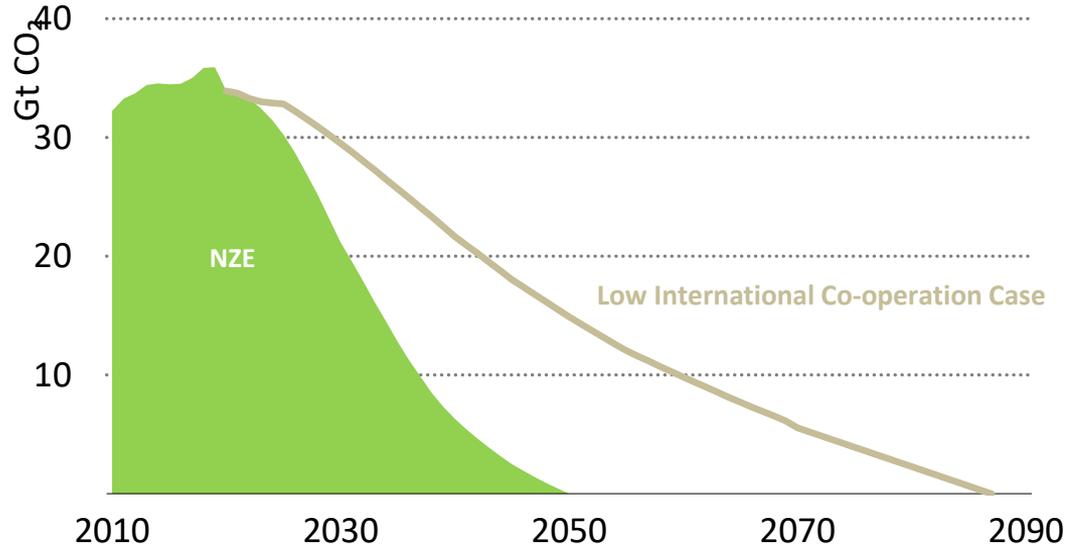
CO<sub>2</sub> emission reductions by technology maturity in 2050 in the NZE Scenario of **2023**



**Clean energy innovation has been accelerating in the last few years, yet more RD&D is needed to unlock the next generation of low-emissions technologies.**

# The importance of international co-operation for net zero emission targets

CO<sub>2</sub> emissions in the Low International Co-operation Case and the NZE



**Without international co-operation, the transition to net zero would be delayed by decades**

1. TCP Universal Meetings
2. Secondments from the TCPs to the IEA Secretariat
3. Development of the ETP Clean Energy Technology Guide
4. The joint TCP-IEA report “Technology and Innovation Pathways for Zero-carbon-ready Buildings by 2030”
5. Collaboration with ETSAP TCP
6. Regular exchanges and peer reviews

- Together reviewing what we are doing, what is working well and what can be improved – setting the direction for the next years of collaboration.
- Starting point for the process to take the results from the CERT Review forward:
  - Improving joint efforts on communicating the work of the TCPs;
  - Kicking-off the discussion for the renewed TCP Coordination Groups; and
  - Starting the revision process of the Request for Extension Mechanism
- Networking and exchange of ideas.

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