WORLD ENERGY TRANSITIONS OUTLOOK
1.5°C Pathway

Fast-Track Energy Transitions Pathways
to Win the Race to Zero and Emerging Information Needs
90% of all decarbonisation in 2050 will involve renewable energy through direct supply of low-cost power, efficiency, electrification, bioenergy with CCS and green hydrogen.

Renewables, efficiency and electrification dominate energy transition

Six components of the energy transition strategy

- RE based CO$_2$ removals (BECCS): 14%
- FF based CO$_2$ removals (CCS): 6%
- Hydrogen: 10%
- Electrification: 20%
- Renewables: 25%
- Energy efficiency: 25%

Total CO$_2$ emissions: 36.9 Gt
90% of total electricity needs will be supplied by renewables by 2050.
Recent trends in financial markets

Investors and financial markets are anticipating energy transition and allocating capital away from fossil fuels towards energy transition technologies, such as renewables.
A climate-safe future calls for the scale-up and redirection of investments towards energy transition technologies, away from fossil fuels.
Broad set of policies required for a just transition
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