

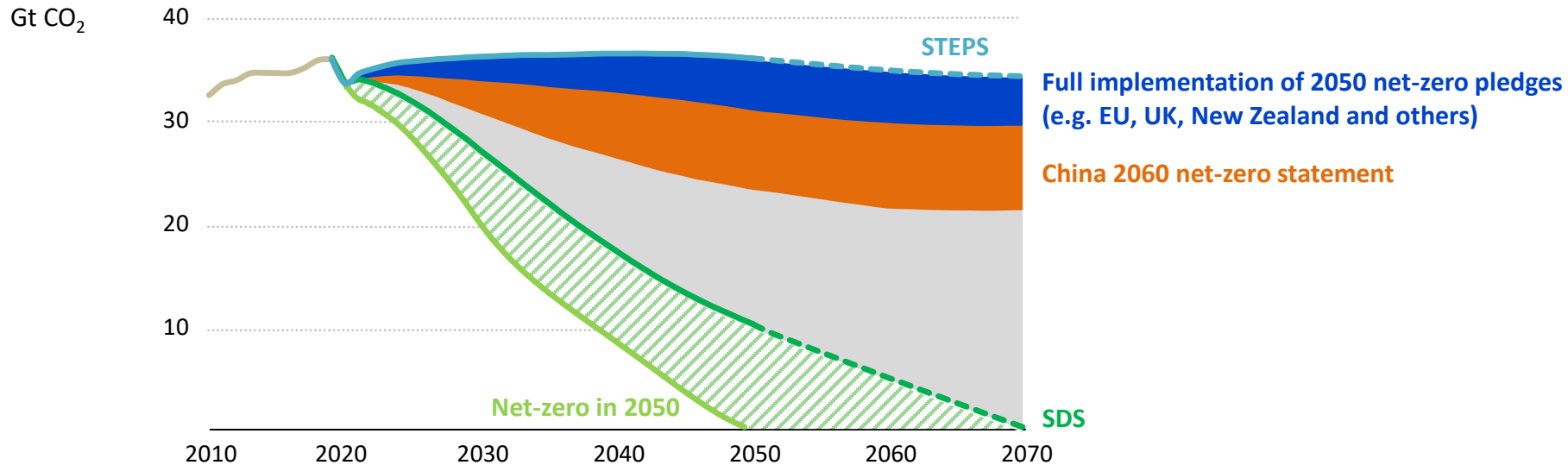


# World Energy Outlook 2020

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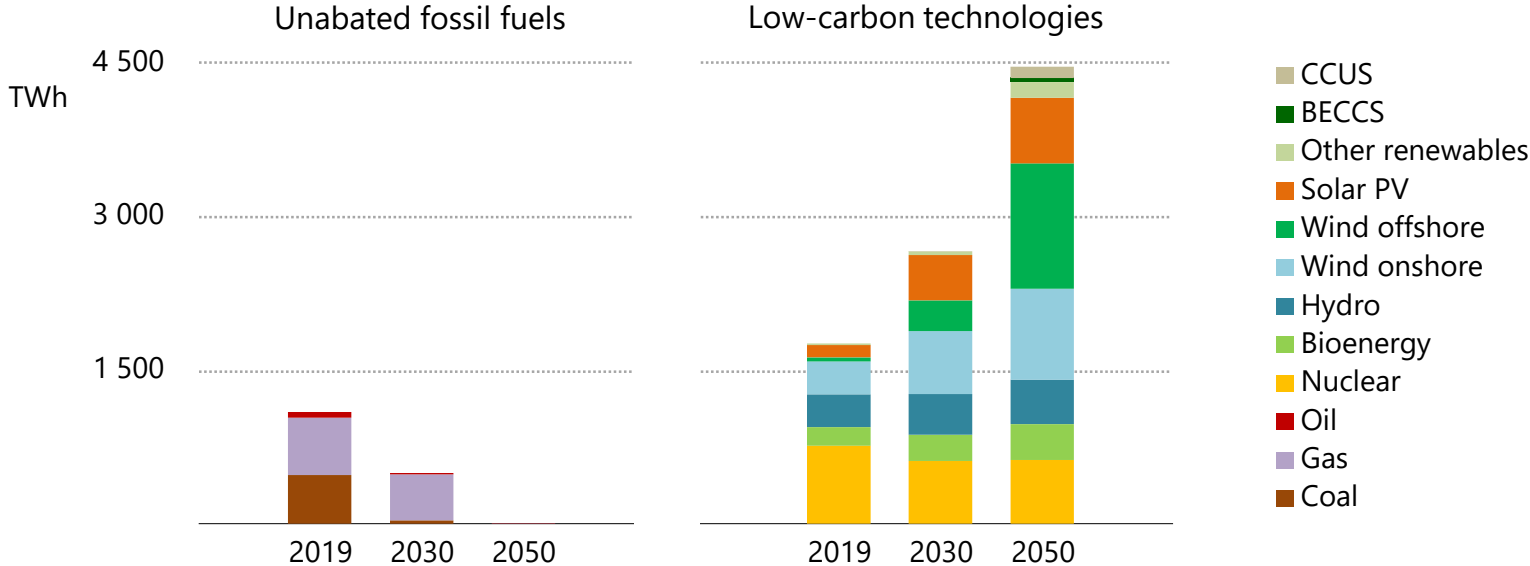
# The world is still far from putting emissions into decisive decline



Global emissions are set to bounce back more slowly than after the financial crisis of 2008-2009, but the world is still a long way from a sustainable recovery

# Electricity leads the way to net-zero emissions in the EU

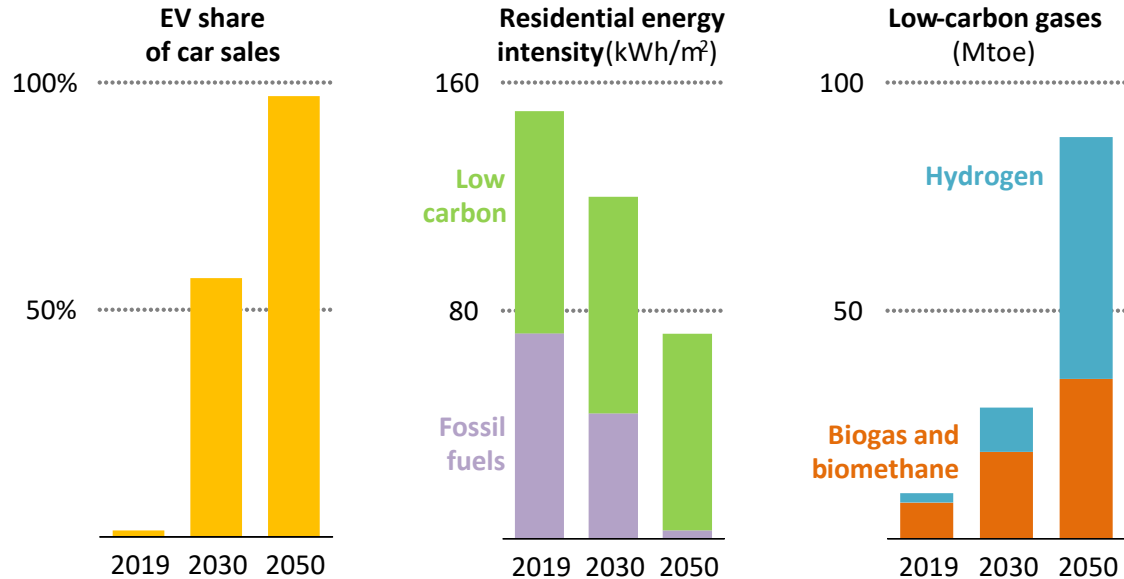
Electricity generation by source in the Sustainable Development Scenario, 2019-2050



Virtually all unabated coal is phased out of the EU electricity mix by 2030 and more than 80% of EU electricity comes from renewables in 2050

# The transformation has to extend well beyond the power sector

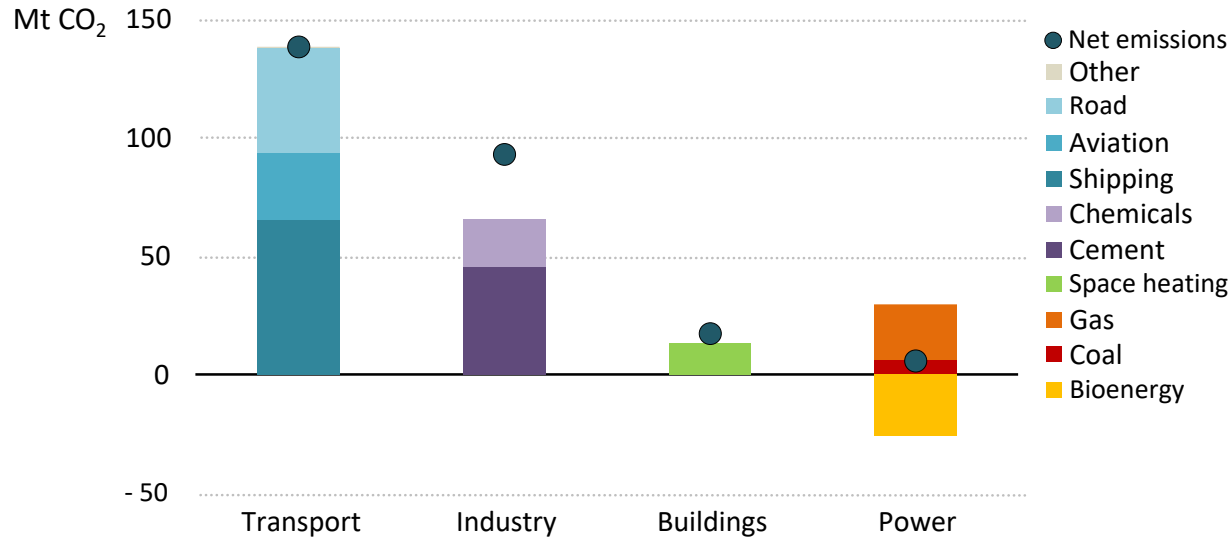
Evolution of selected end-use technologies in the European Union in the Sustainable Development Scenario



In the SDS, virtually all passenger cars in the European Union are electric by 2050, all buildings have been retrofitted, and there are high levels of hydrogen and biomethane use

# Transport and industry: the hard to abate sectors

Remaining CO<sub>2</sub> emissions in selected sectors in the European Union in the Sustainable Development Scenario in 2050



There are some residual emissions in the EU energy sector in 2050, mainly from the sub-sectors that are most difficult to electrify fully

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