

Investment needs for CESEE's green transition

Harry Boyd-Carpenter, Managing Director, Green Economy and Climate Action

OeNB 87th East Jour Fixe – 17 June 2021



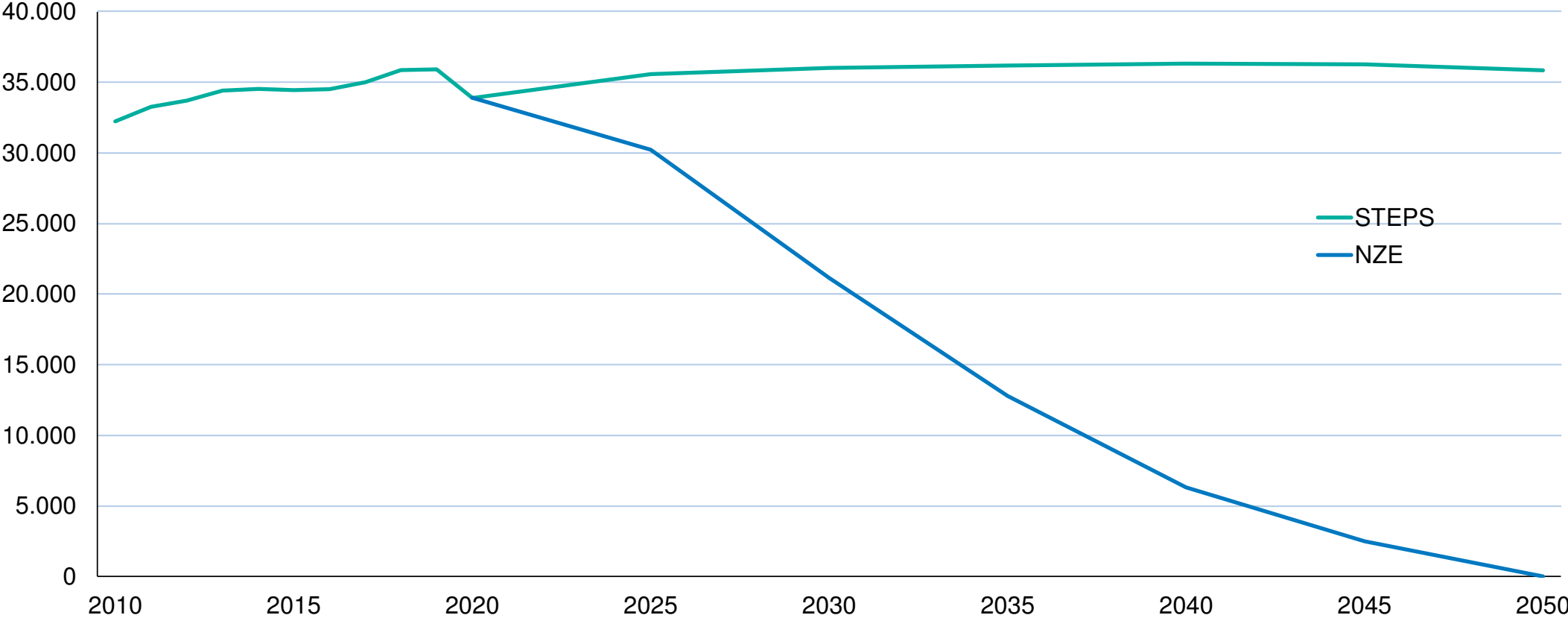
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Context – the net zero imperative



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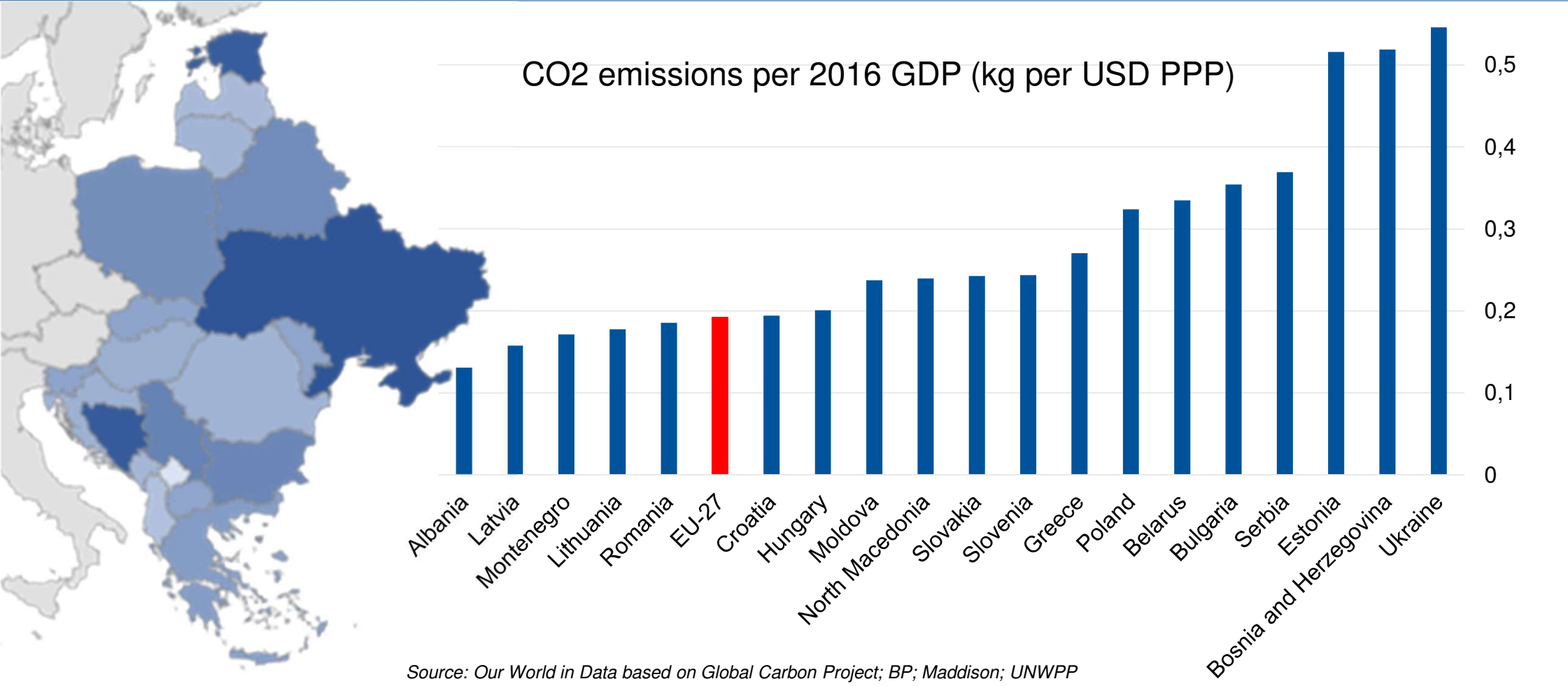
Global energy and industrial process-related CO2 emissions (Gt CO2) historic to 2020, then IEA STEPS and NZE scenarios.



CESEE – the CO2 challenge



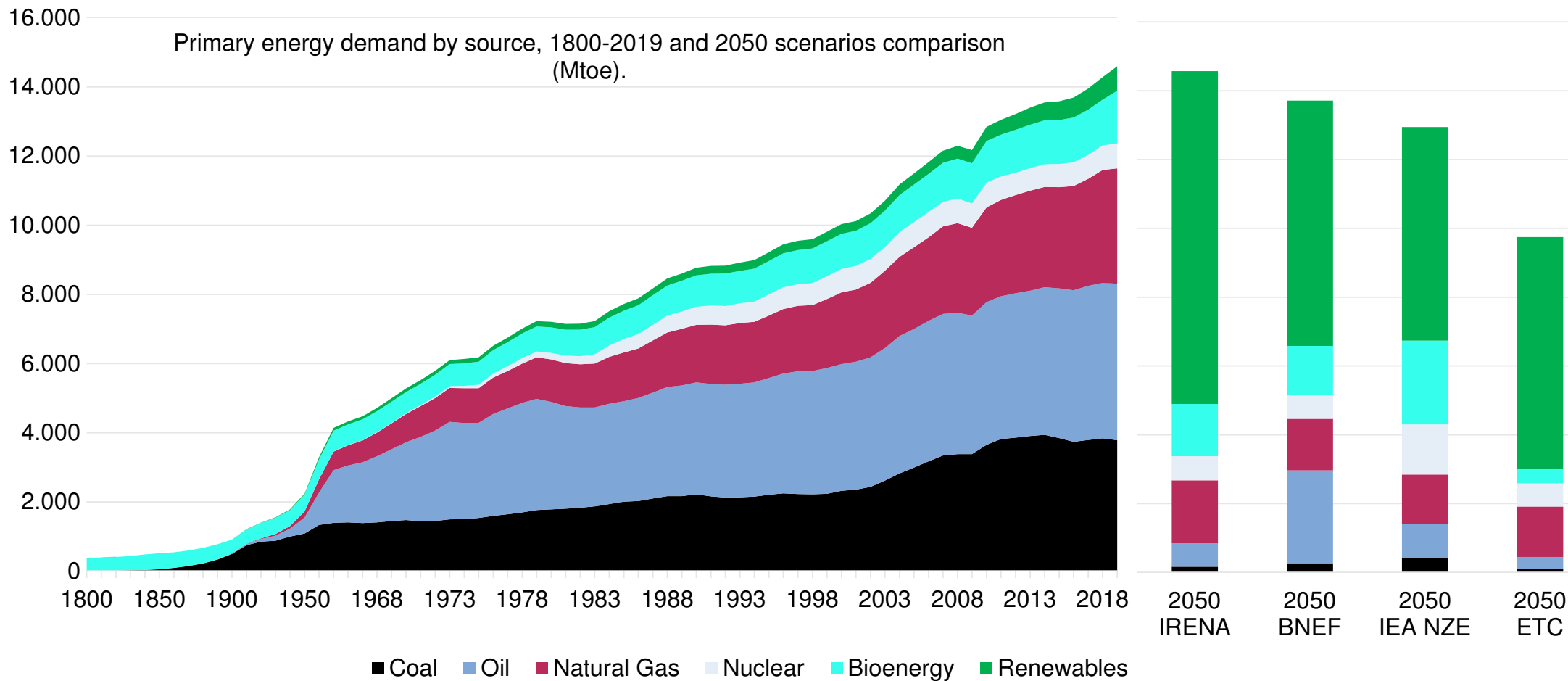
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An unprecedented energy transition



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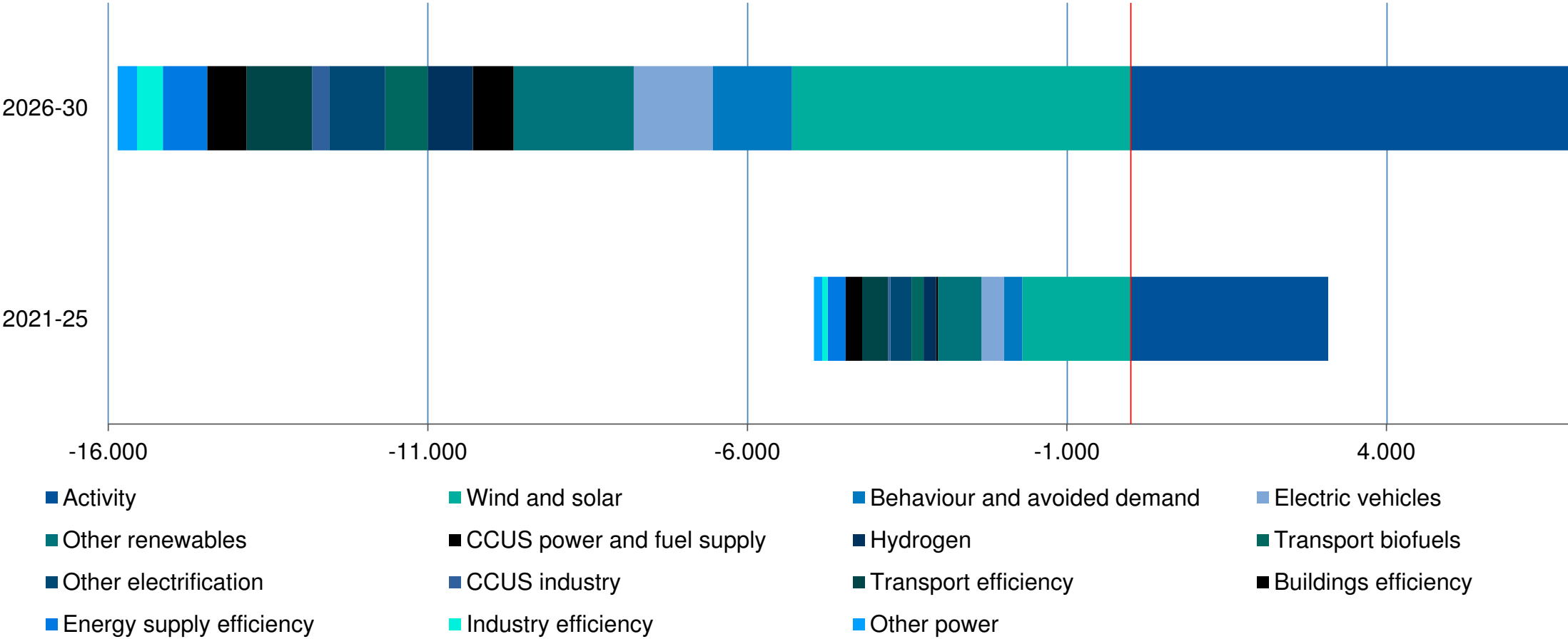


Sources of emission reductions 2021-2030



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Average annual change in energy and industrial process-related CO2 emissions in the IEA Net Zero scenario 2021-30 (Gt CO2).




Three key areas of investment to 2030



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Energy efficiency – deep renovation of 3% of the housing stock annually



Renewable energy – installation rate increases 5 times

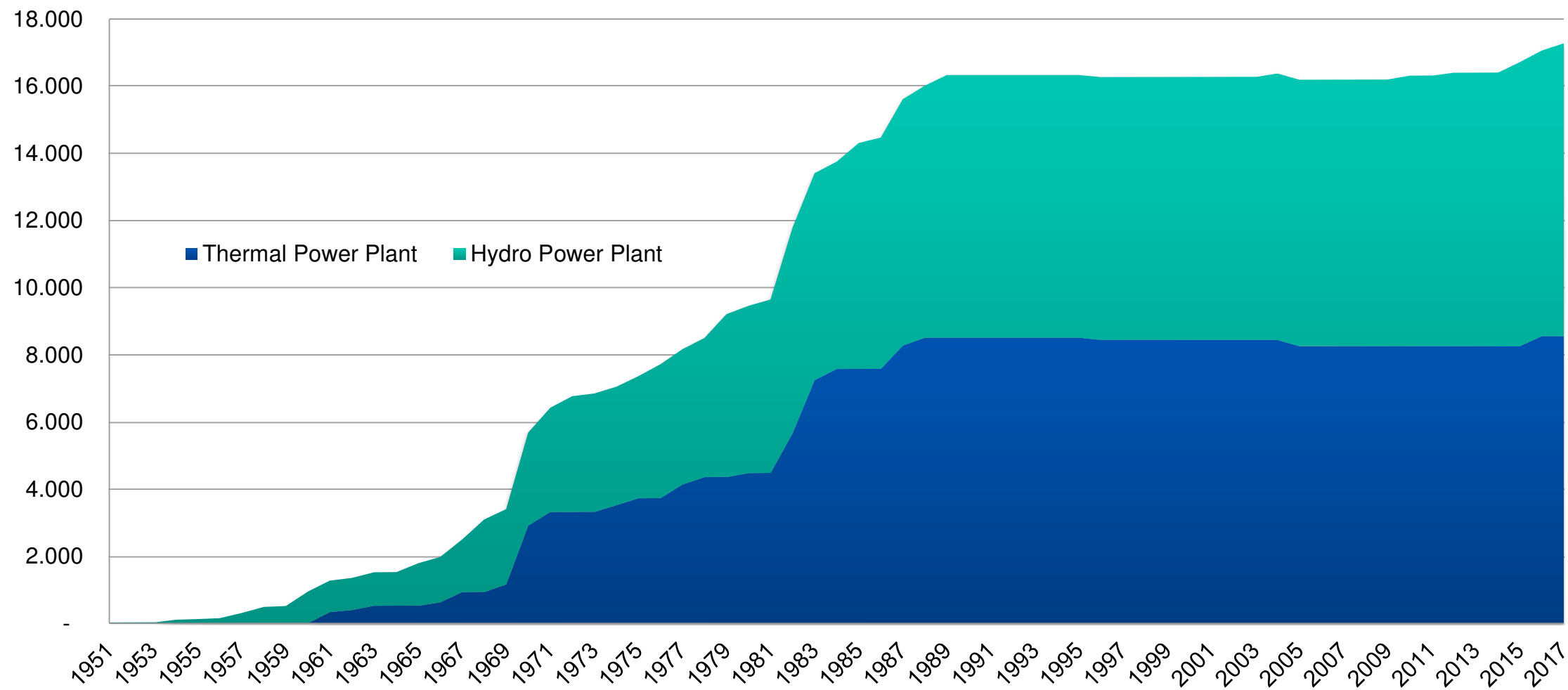


Transport electrification – electric vehicles reach 60% of new sales

Western Balkans – electricity generation



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Western Balkans – old and inefficient building stock



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Schools and faculties
Hospitals
Administrative buildings
Residential buildings



Key areas for investment



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Efficiency

- Public buildings.
- Residential sector – green financial products.

Renewable energy

- Renewable generation – competitive, increasingly merchant.
- Massive network investment by regulated utilities.

Transport electrification

- Competitive lifetime cost but high up-front cost.
- Widespread charging infrastructure.

Enabling conditions

- Meaningful carbon price
- Minimum standards

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