



Secure • Sustainable • Together

A faint, light blue globe showing the continents of North and South America, serving as a background for the title.

Energiepolitischer Ausblick: Globale Perspektive

Dr. Uwe Remme

Stuttgart, 12.2.2015

www.iea.org

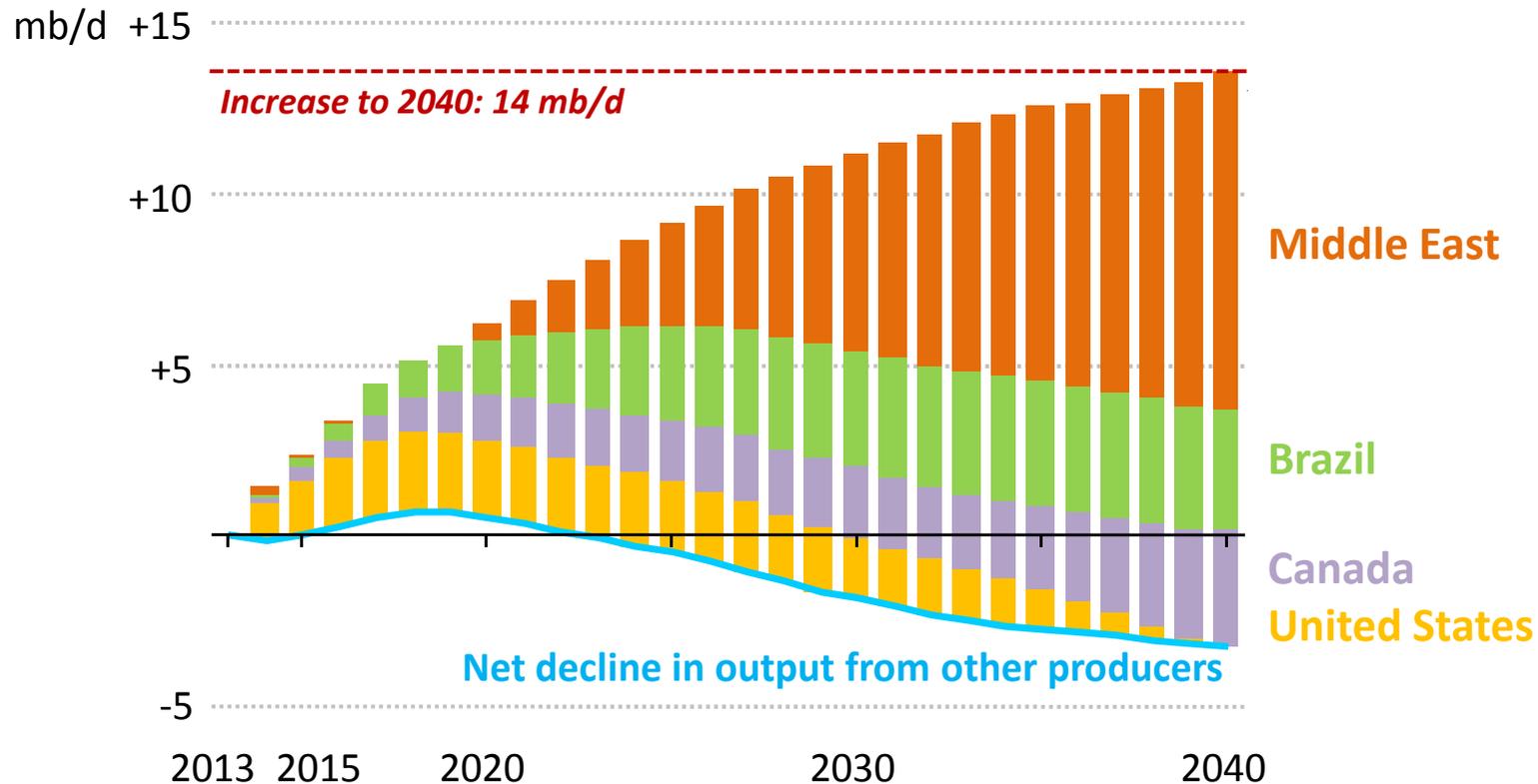
- **Current calm in markets should not disguise difficult road ahead**
 - Turmoil in the Middle East raises doubts over future oil balance
 - Resurgent debate over the security of gas supply to Europe

- **Mixed signals in run-up to crucial climate summit in Paris in 2015**
 - Global CO₂ emissions still rising, with most emitters on an upward path
 - At \$550 billion, fossil fuel subsidies over four-times those to renewables
 - Increasing emphasis on energy efficiency starting to bring results

- **Will change in global energy be led by policies, or driven by events?**

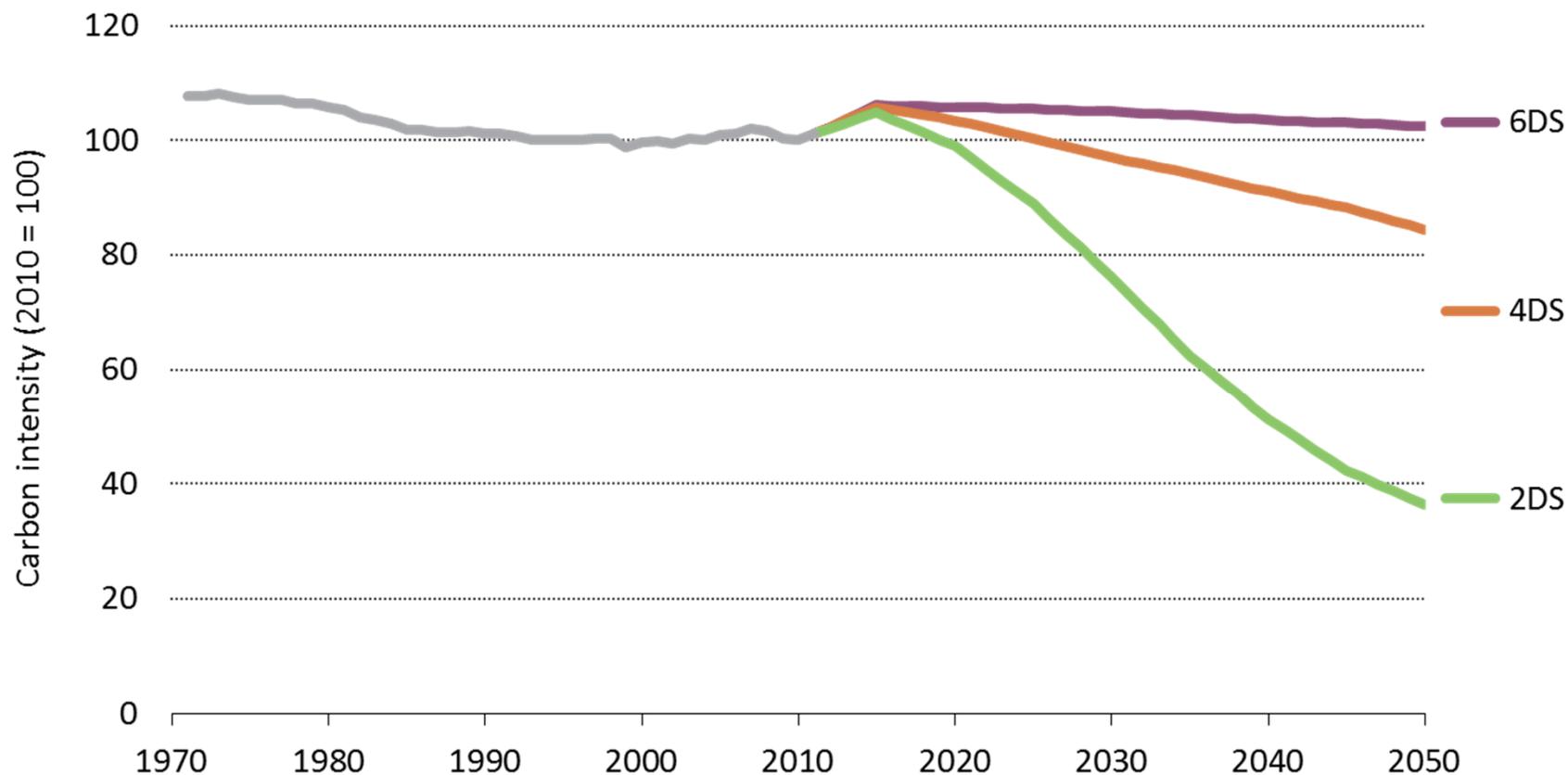
Instability in the Middle East a major risk to oil markets

Oil production growth in United States, Canada, Brazil & the Middle East



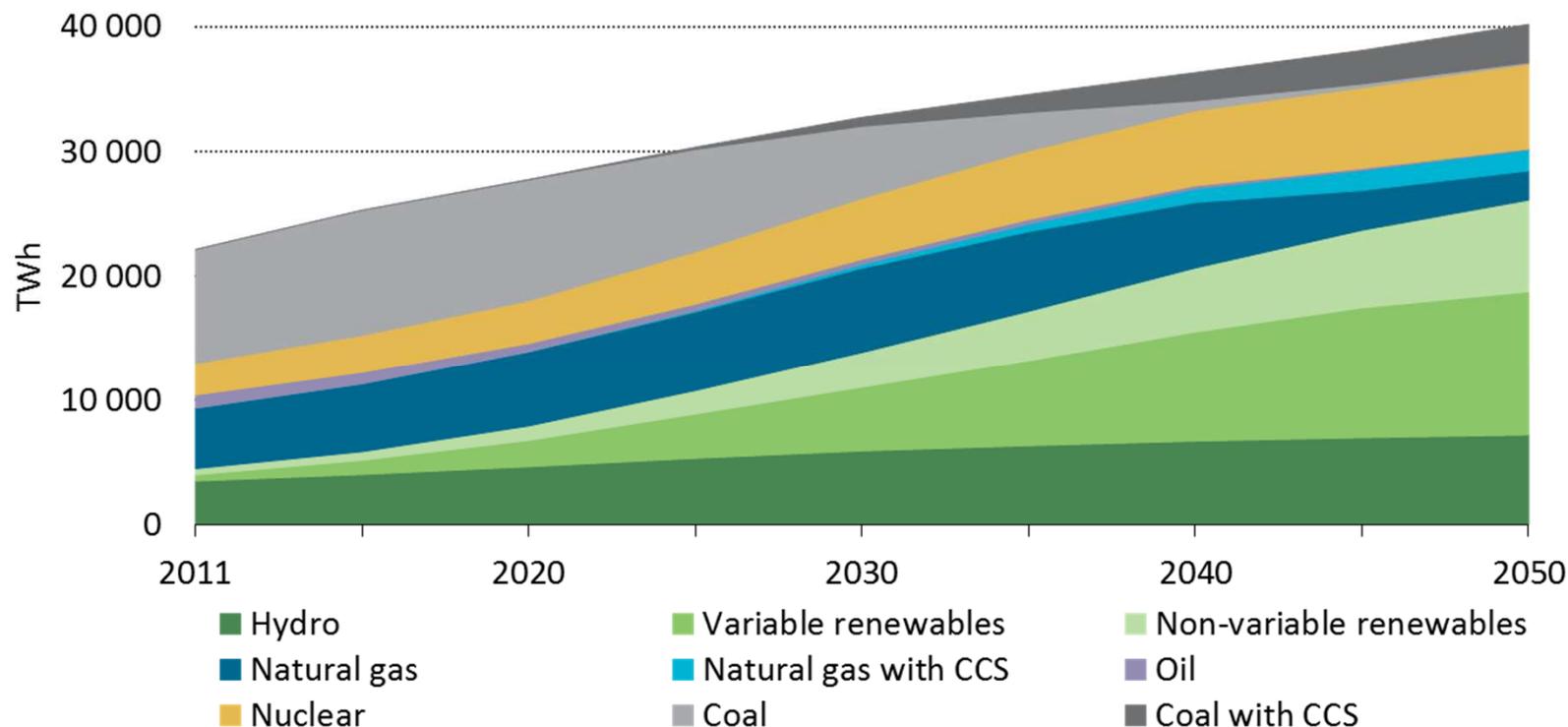
The short-term picture of a well-supplied market should not obscure future risks as demand rises to 104 mb/d & reliance grows on Iraq & the rest of the Middle East

Carbon intensity of global energy supply is stuck



The political will to make meaningful progress at a global scale has yet to be demonstrated

Electricity generation: a share reversal needed



■ Generation today:

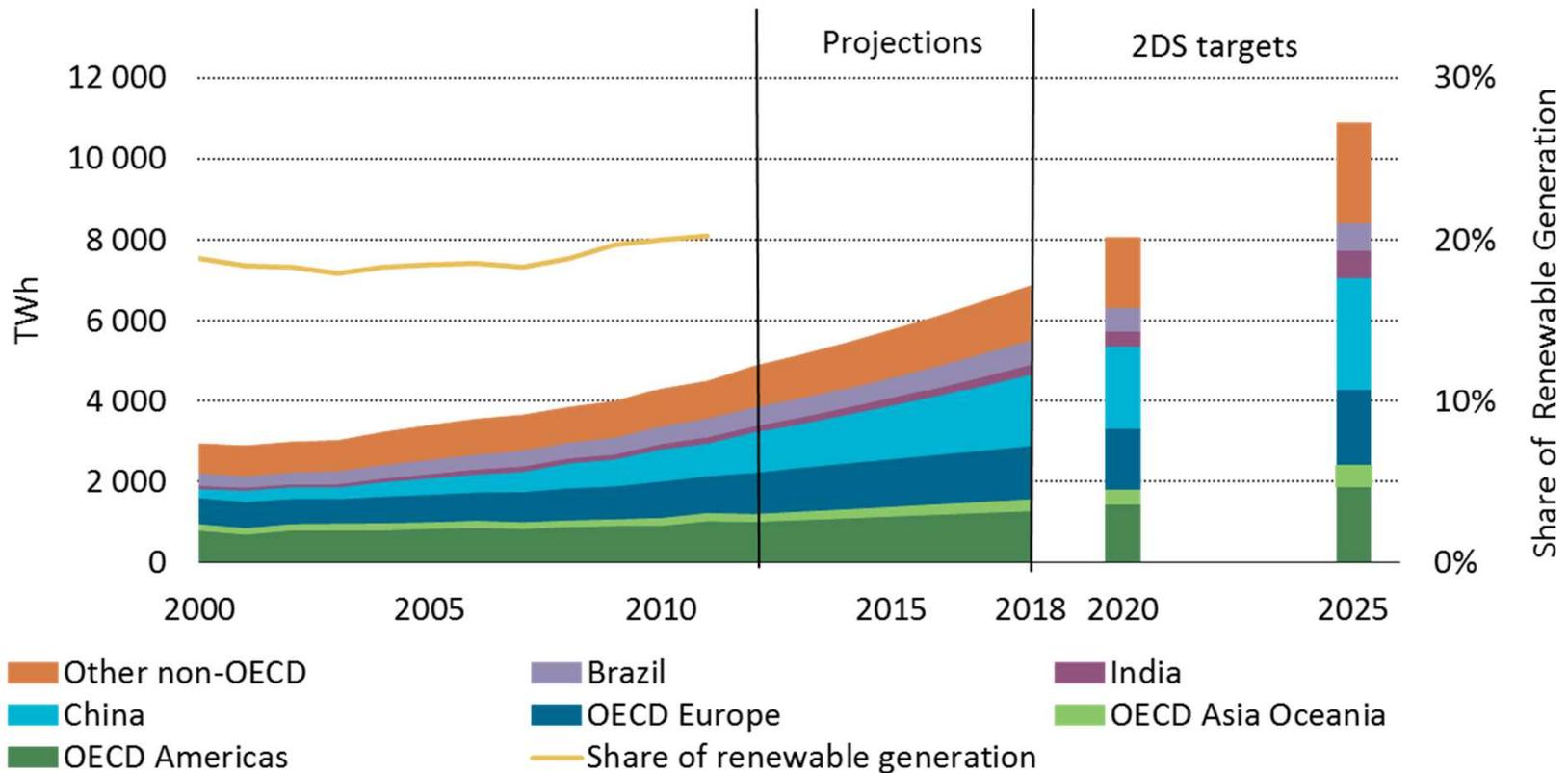
- Fossil fuels: 68%
- Renewables: 20%

■ Generation 2DS 2050:

- Renewables: 65%
- Fossil fuels: 20%

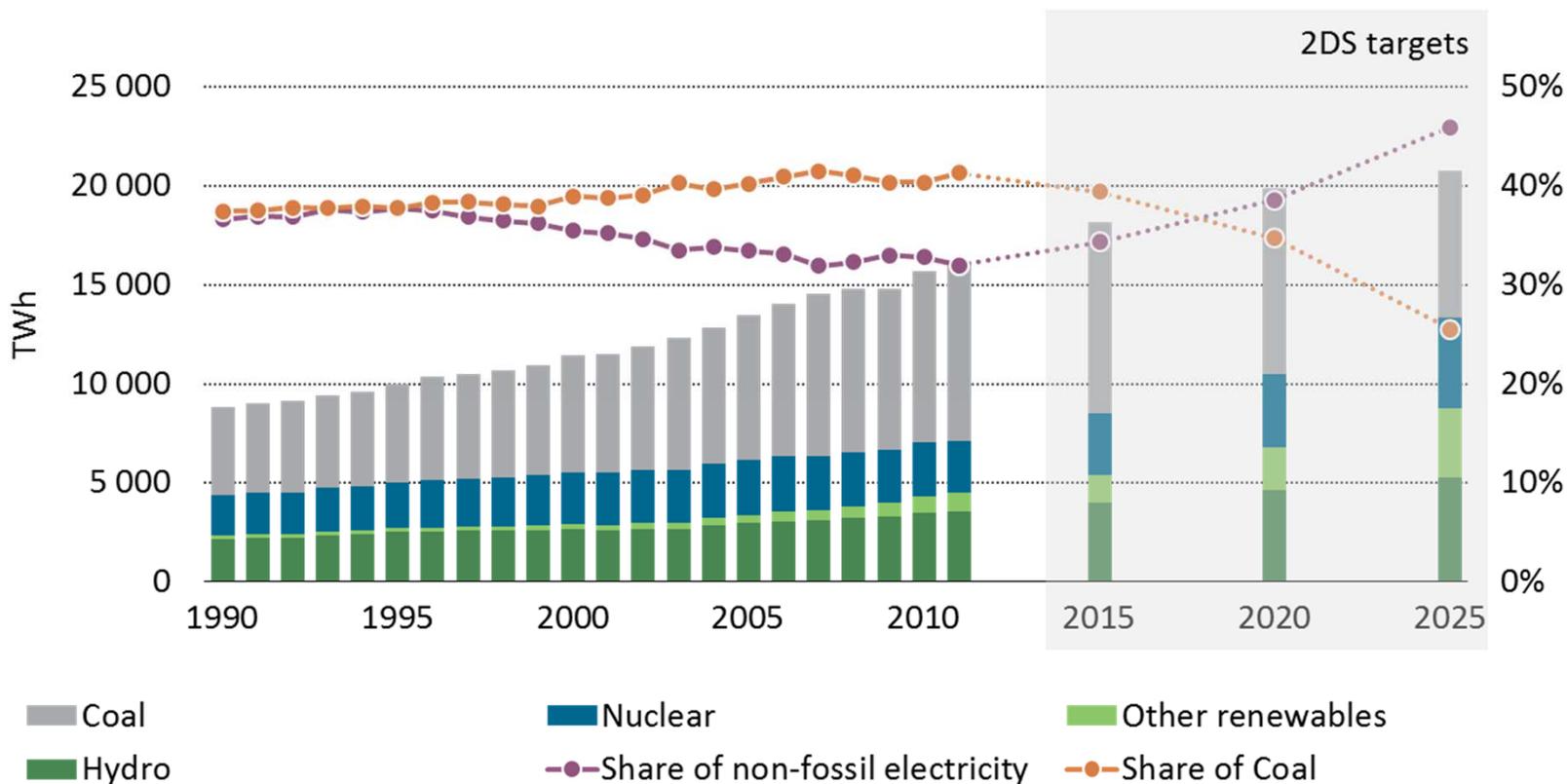
Progress for renewables...

Total renewable power generation



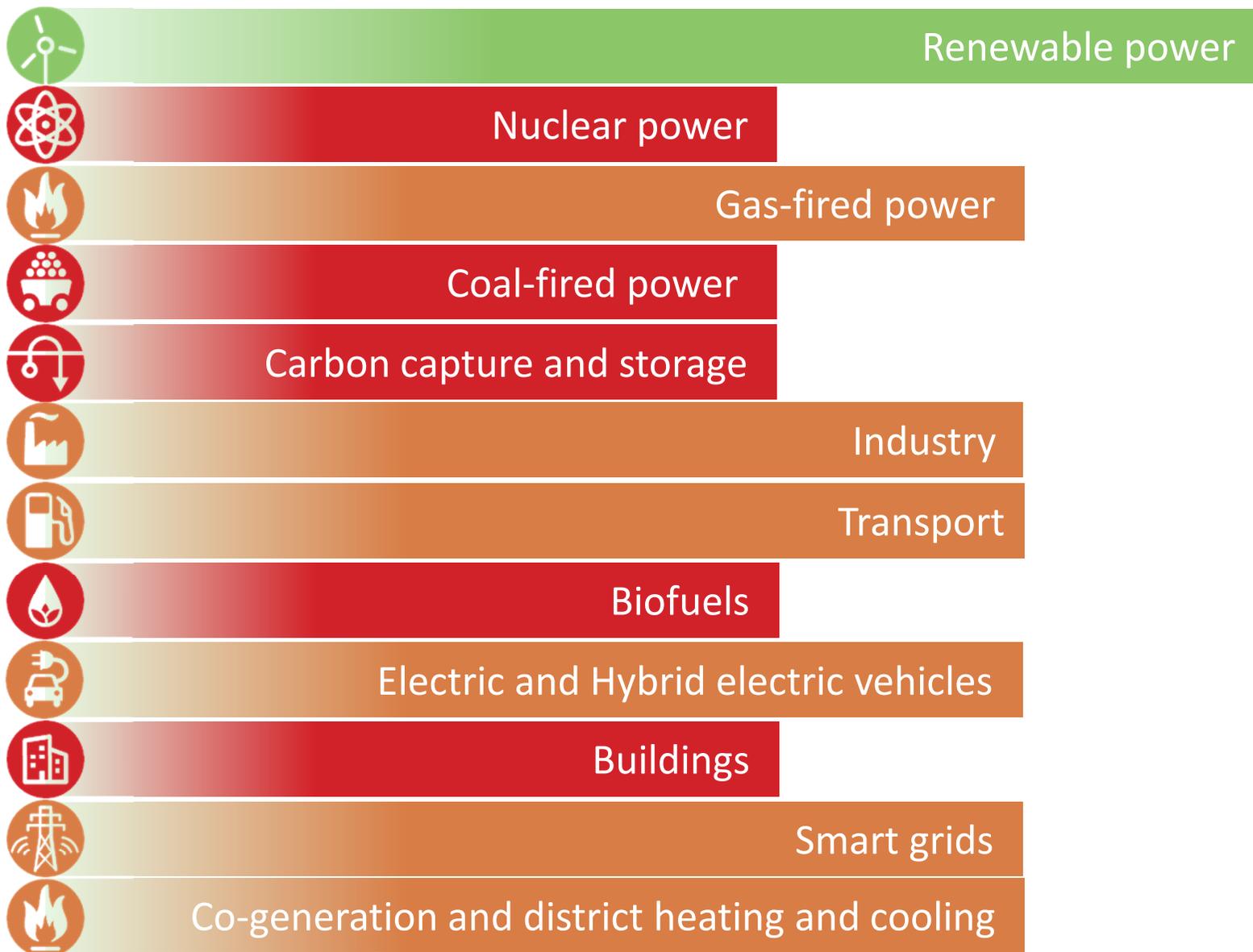
Emerging economies step up clean energy ambition, but momentum stalls in OECD countries

...but coal is also rising



Unabated coal use in electricity generation is incompatible with 2 degree objectives

Not on track in many technology areas



- **Geopolitical & market uncertainties are set to propel energy security high up the global energy agenda**
- **Volatility in the Middle East raises short-term doubts on investment & spells trouble for future oil supply**
- **Without clear direction from Paris in 2015, the world is set for warming well beyond the 2 °C goal**
- **Far-sighted government policies are essential to steer the global energy system on to a safer course**



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Thanks!

uwe.remme@iea.org

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