Potentials of energy efficiency

Nils Borg, eceee and Borg & Co Eufores Interparliamentary Meeting, 22 October 2022



Permanent weekend?

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Efficiency gets us there

Energy efficiency makes it possible to manage a future with 100% renewables

Crisis prevention: Energy security Health Climate Energy prices (& volatility)

"We have done what we can"

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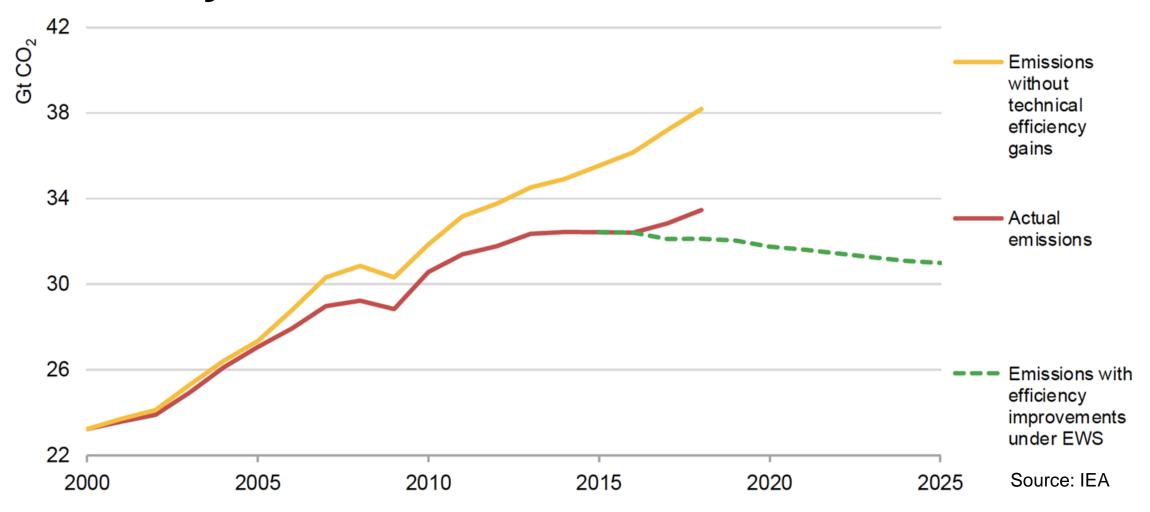
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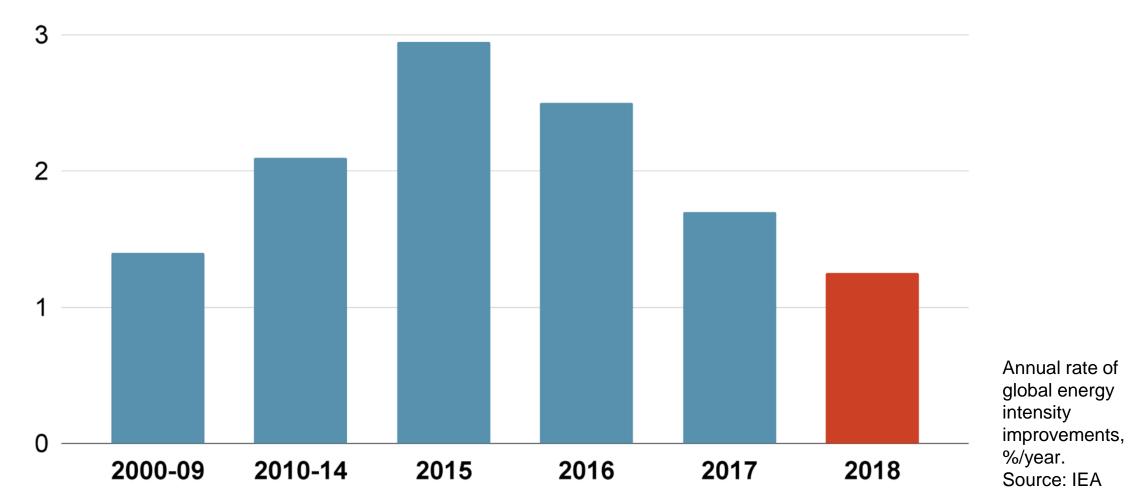
"We have done what we can" We can always use less energy, always! "Nothing cost effective remains" New potentials are created all the time "It is too expensive" **Depends on values and perspective**

Is it cost effective to save the world?

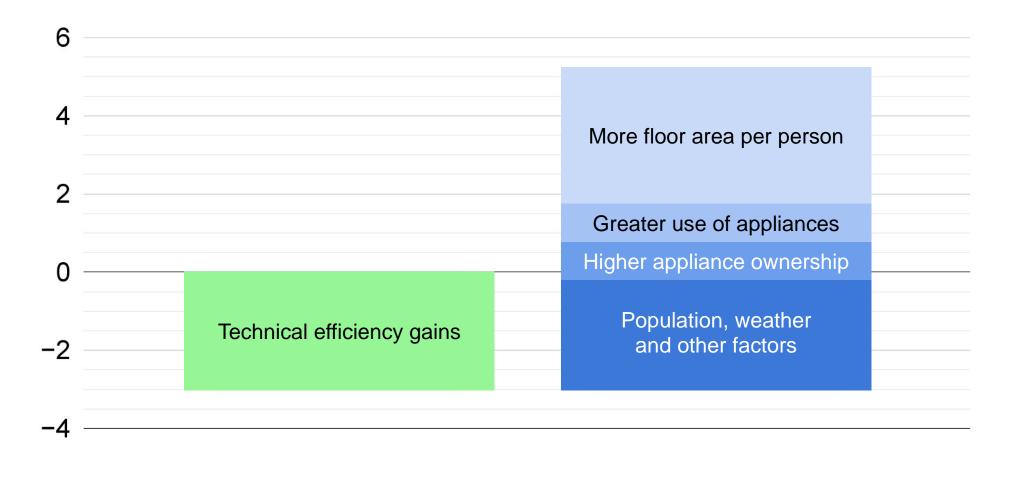
Efficiency lowers emissions, could do more



Global efficiency improvements slowing down

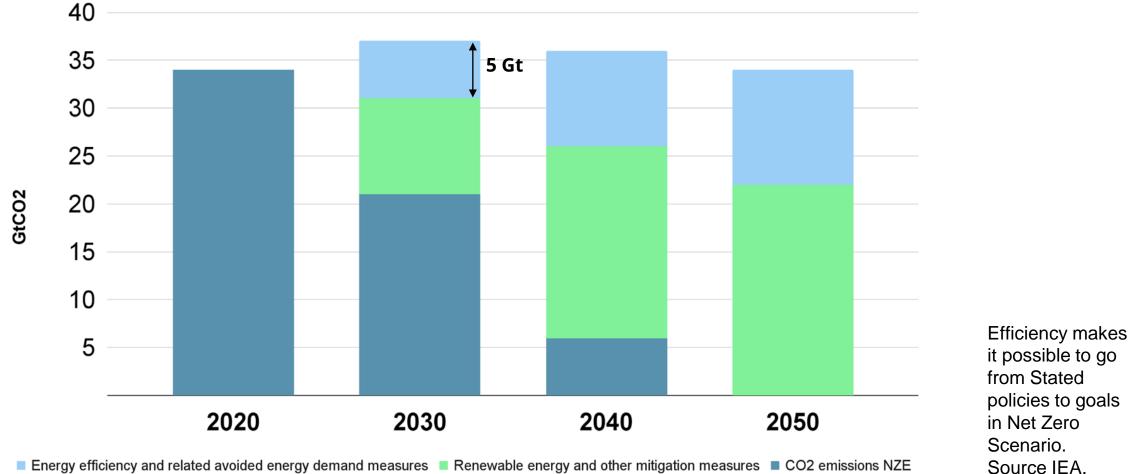


Technical improvements vs social trends



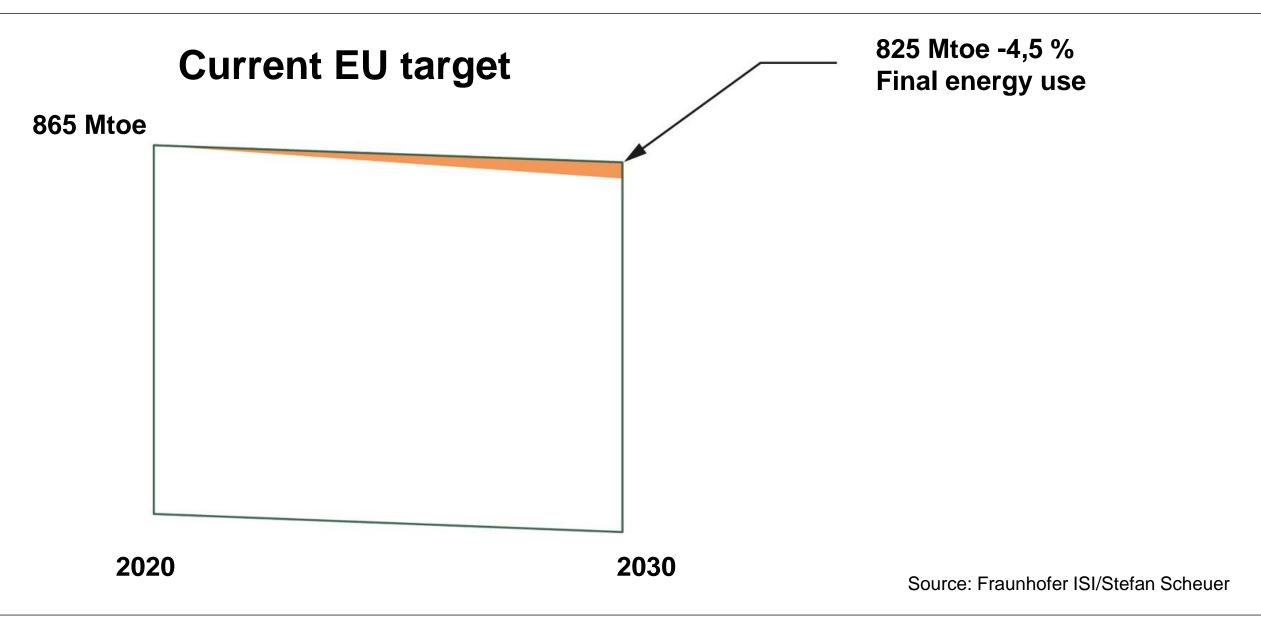
Factors influencing residential buildings energy use 2015–18. Source IEA.

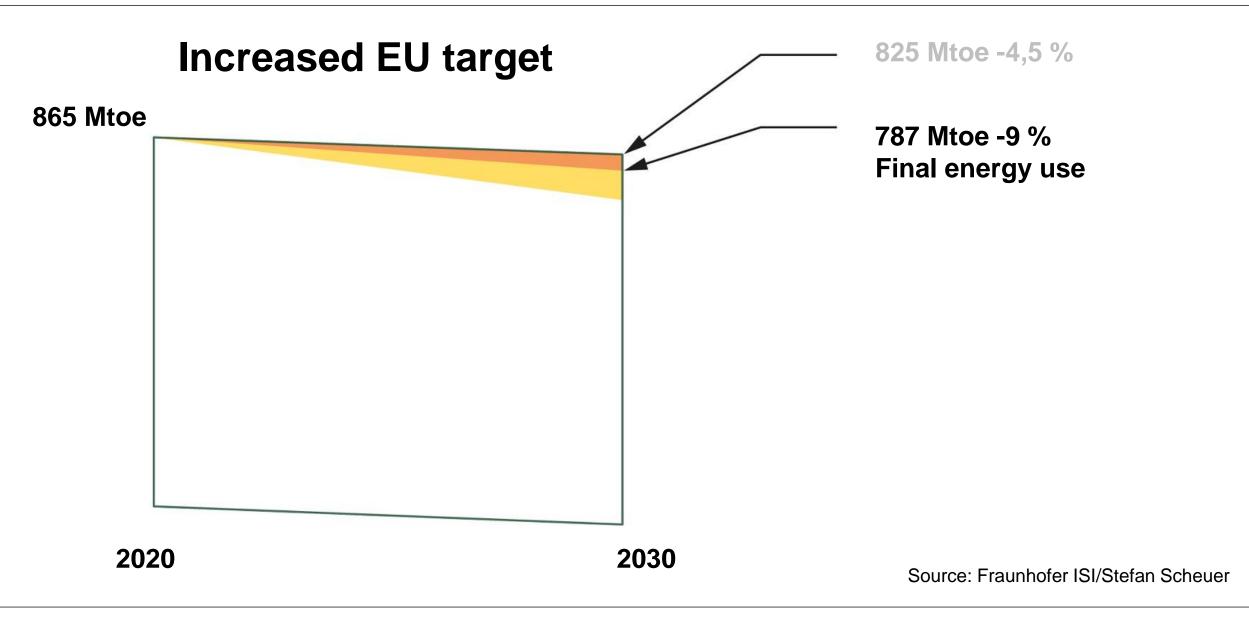
IEA: CO₂ emissions, main mitigation measures

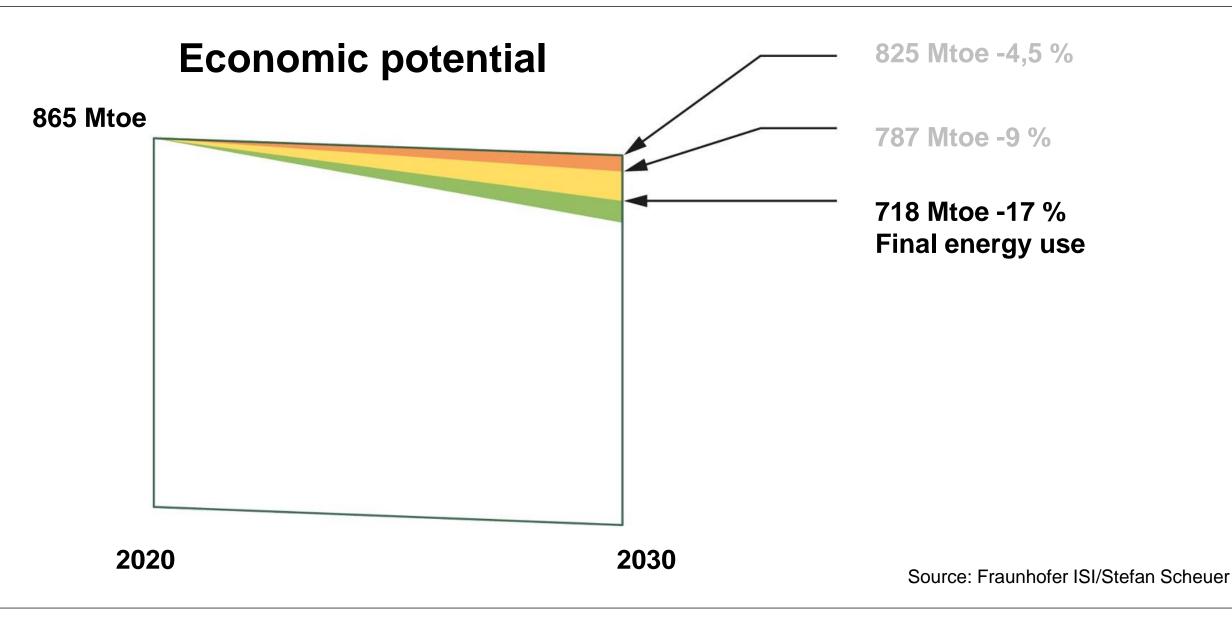


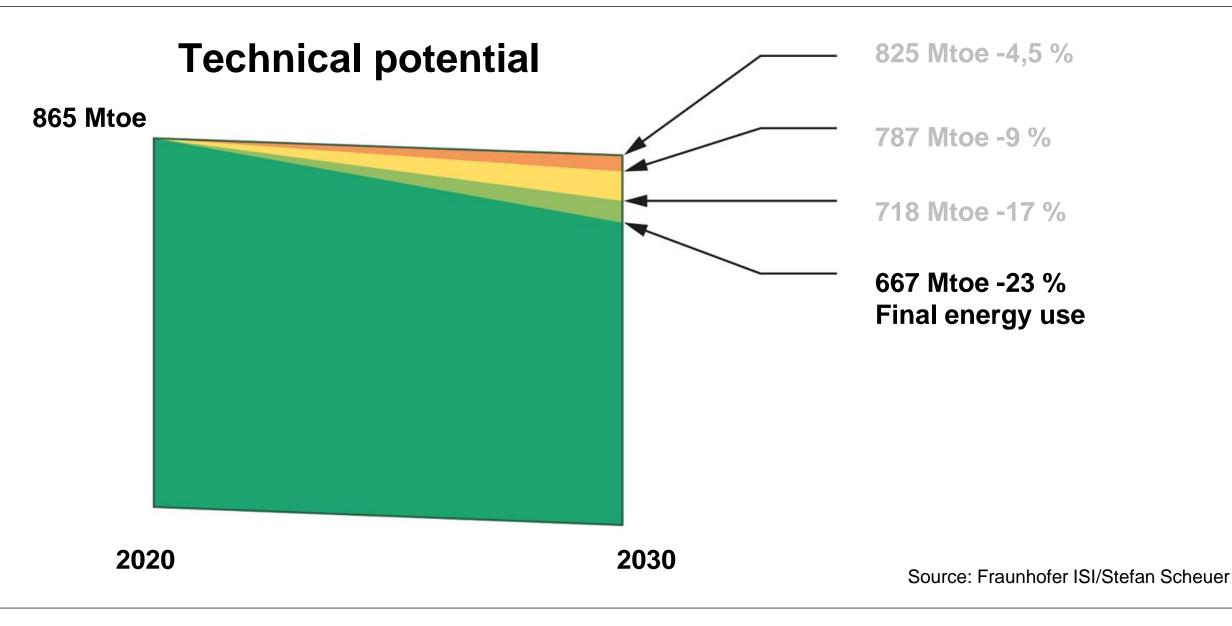
And what about the EU?

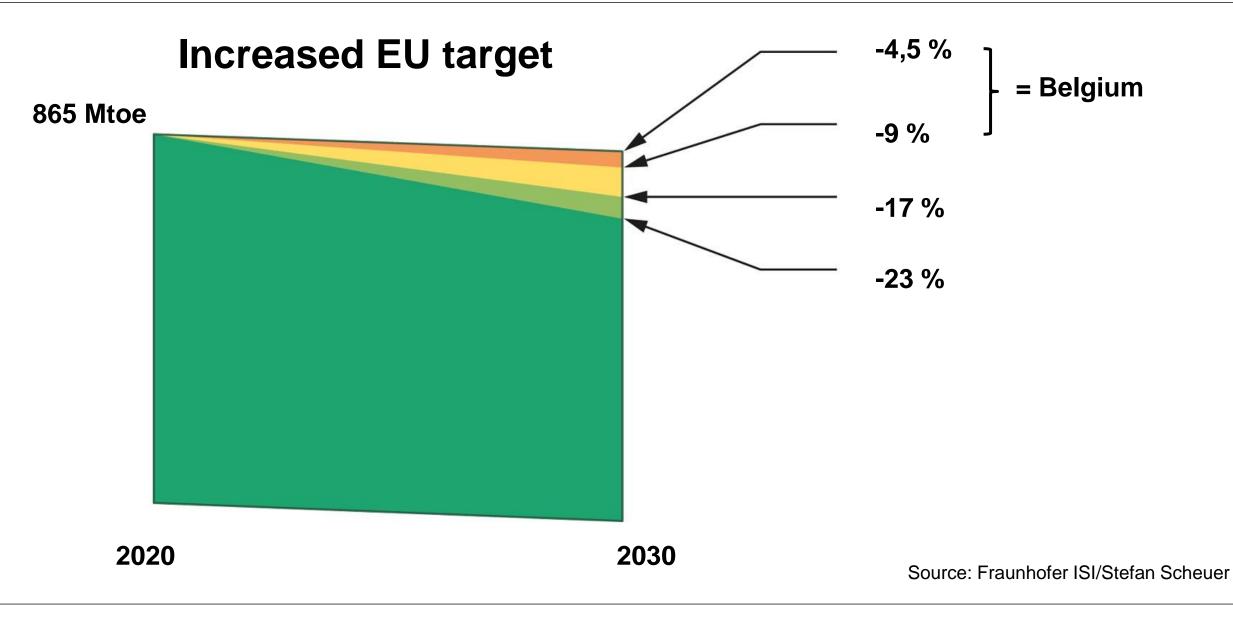
-4,5% target (2030) New increased proposal -9%?

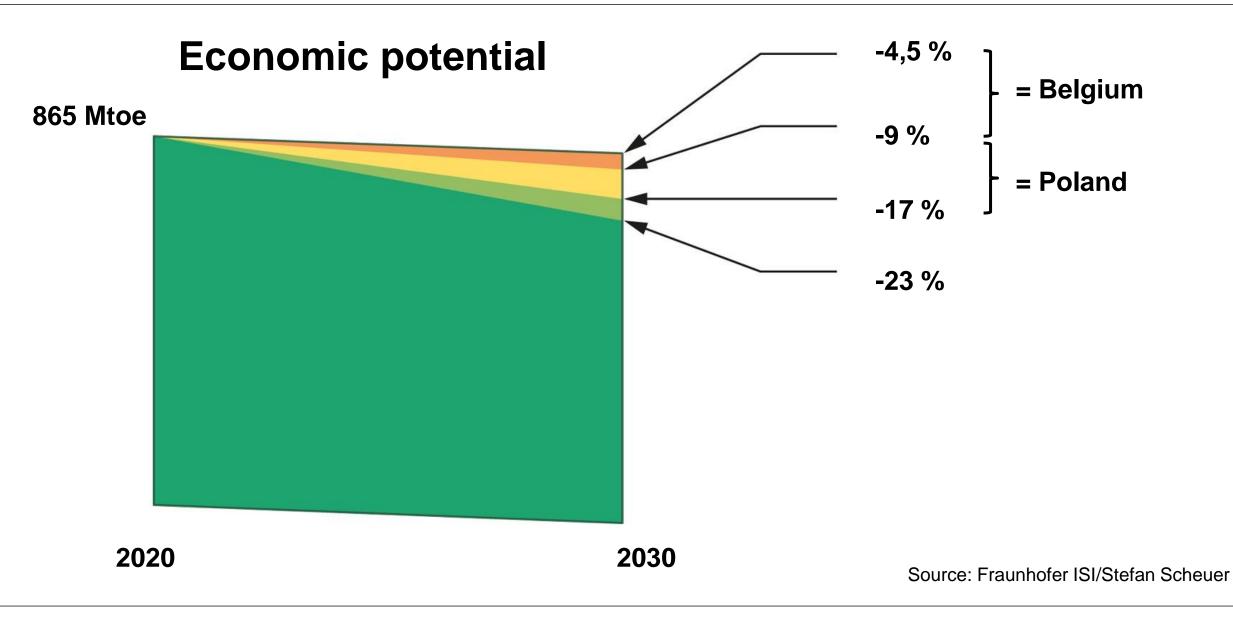


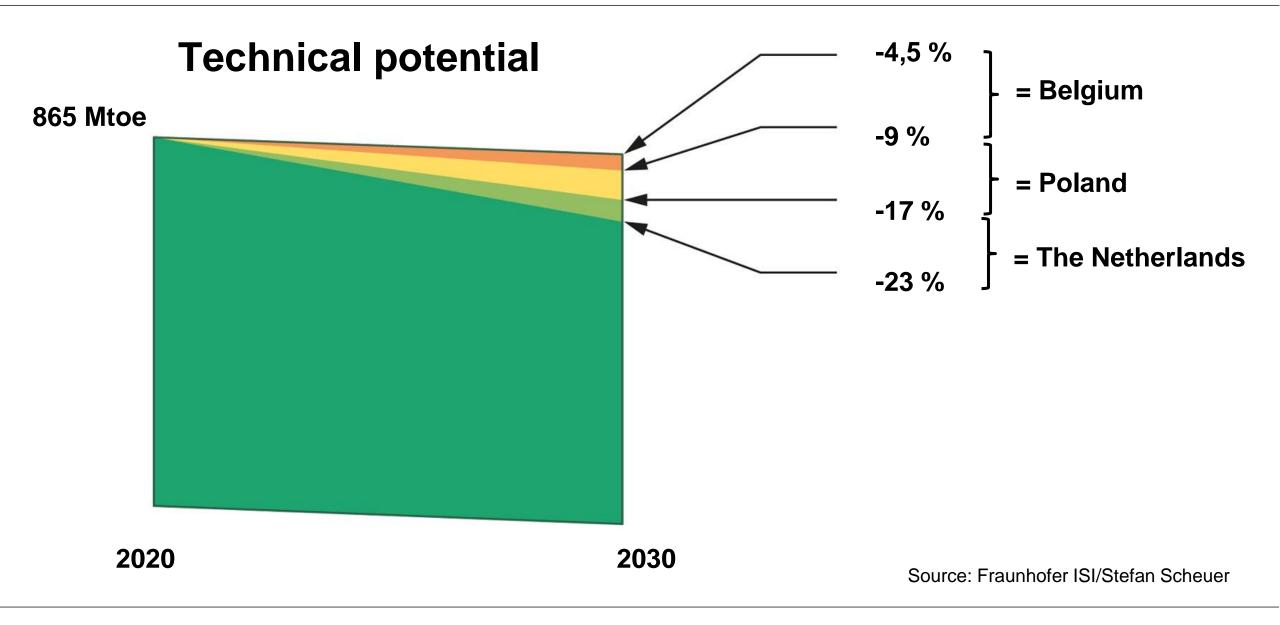












Conservation vs efficiency

Discount rates vs energy prices



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