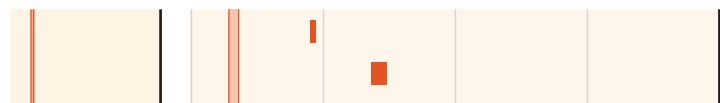


IEA ETP 2DS Scenario

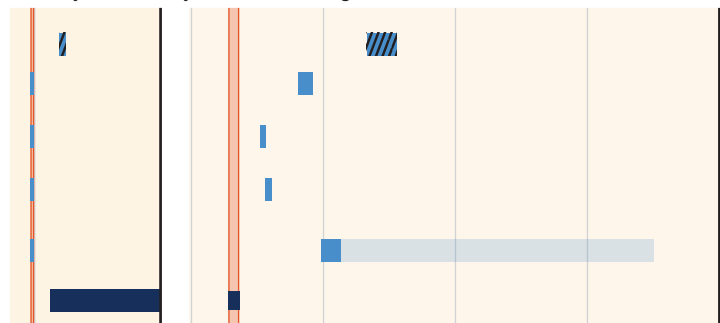


Global Total (2030)

Global Total (2050)



Currently Commercially Available Technologies



Best Practice Energy Intensity

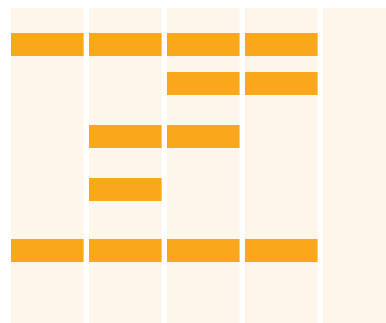
Enhanced Recycling, Cogeneration and Process Intensification

Abatement of N₂O from Nitric and Adipic Acid

Abatement of HFC-23 Emissions from HFC-22 Production

Improvements in Non-Electric Fuel Mix

Decarbonization of Electricity Supply



Technologies in Pre-Commercial Stage



CCS for Ammonia Production

CCS Applied to Non-Electric Fuel-Related Emissions



0.5 0.0 2.0
Global Average (2010)

0.5 1.5 1.0 0.0
Global Average (2010)

<0 0-20 20-50 50-150 >150

Indirect Emissions [GtCO₂eq]

Direct Emissions [GtCO₂eq]

Indicative Cost of Conserved Carbon[USD₂₀₁₀/tCO₂]

- Data from Integrated Models
- Measure Affects Direct Emissions
- Measure Affects Direct and Indirect Emissions
- Effect from Increased Use of Biomass as Non-Electric Fuel*
- Measure Affects Indirect Emissions

* Assuming for Simplicity that Biomass Burning is Carbon Neutral