

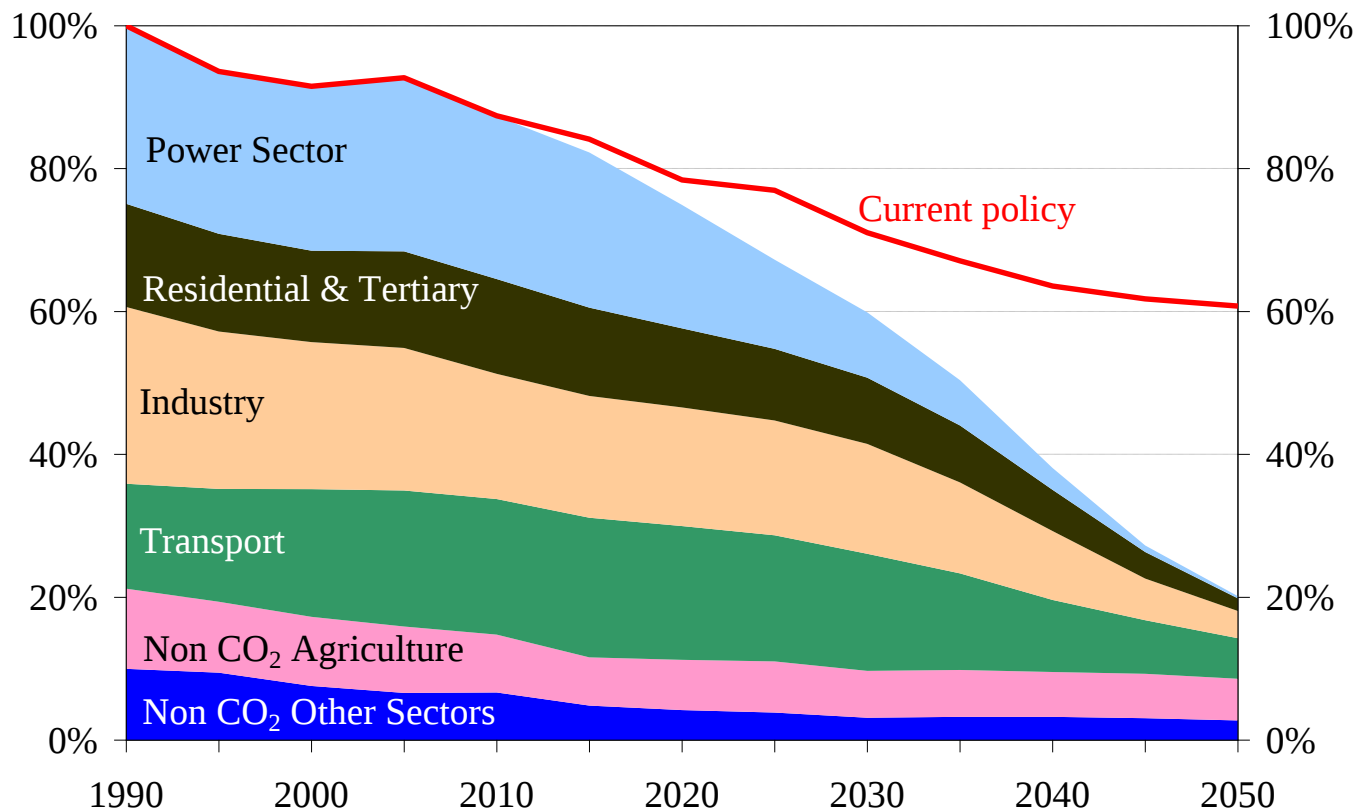


European Renewable Energy Policy

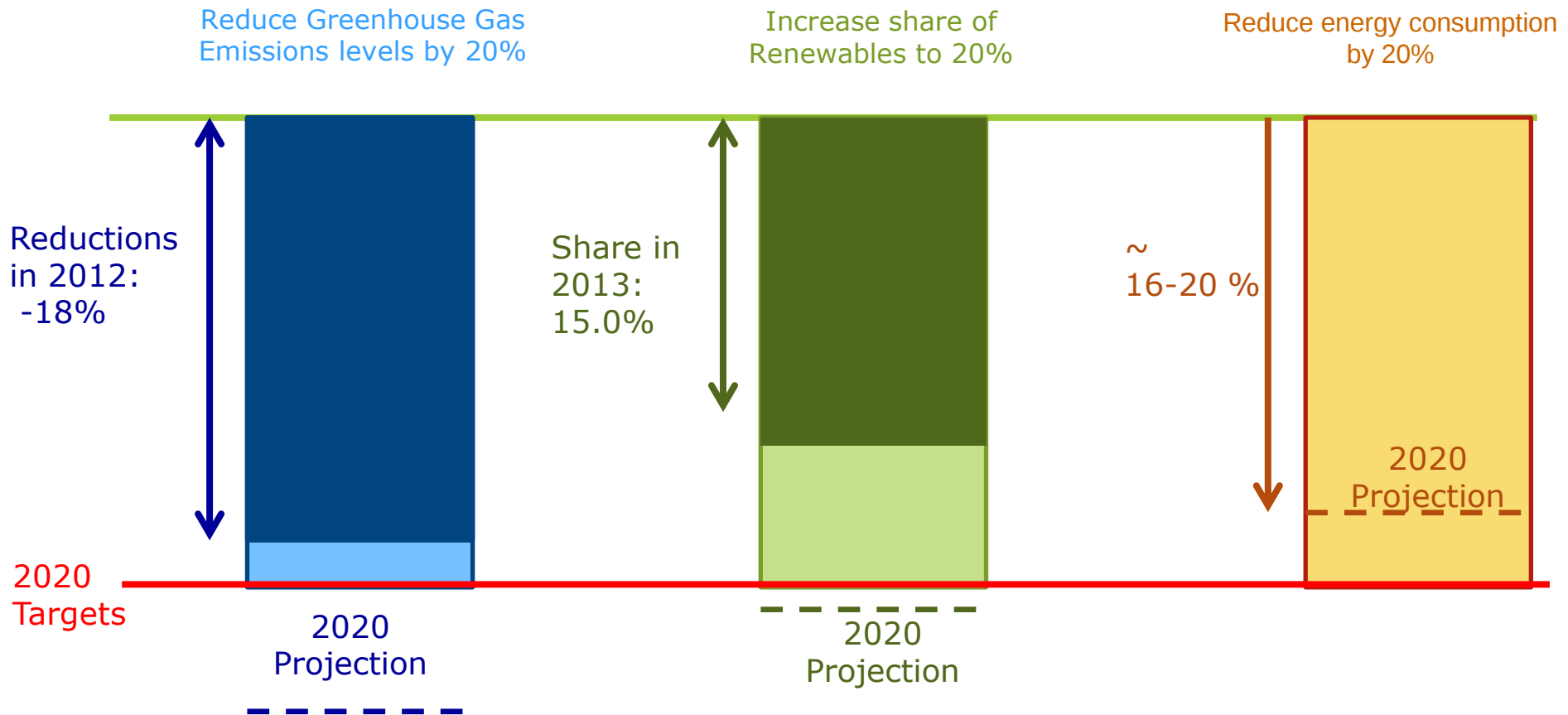
Bernd Kuepker
DG ENER C1
European Commission



EU objective to significantly reduce greenhouse gas emissions



Climate and energy: where do we stand?



Framework for renewables in transport

- **Fuel Quality Directive (FQD)**
 - » 6% greenhouse gas reduction target in carbon intensity of road transport fuels in 2020
- **Renewable Energy Directive (RED)**
 - » 20% share of renewable energy by 2020
 - » 10% renewable energy in transport by 2020

Significant contribution to both targets expected to come from biofuels (mainly 1G, food and feed crop-based)



ILUC Directive

Main objective: Limit the indirect effects of EU biofuels policy

Main measures:

- » 7% cap for food based biofuels
- » Incentives for use of electricity in transport
- » Incentives for advanced renewable fuels
 - Count double
 - Indicative Sub-target
- » Changes to GHG emissions savings threshold
- » ILUC reporting

Relevant for renewable methanol

- » Definition: *"renewable liquid and gaseous transport fuels of non-biological origin"* means gaseous or liquid fuels other than biofuels whose energy content comes from renewable energy sources other than biomass, which are used in transport.
- » Rules how to calculate RES share
- » *"renewable liquid and gaseous transport fuels of non-biological origin"* count double against RES-T
- » "renewable liquid and gaseous transport fuels of non-biological origin" count towards sub target

Climate and energy: where do we stand?

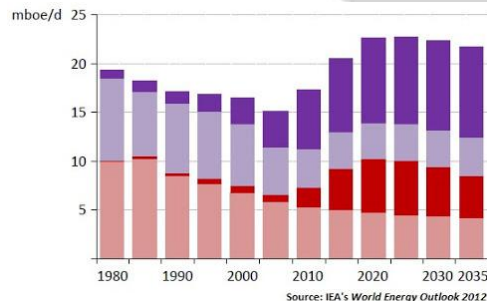
Energy security
Crisis in Ukraine

Renewable energy saw rapid cost decreases
Technologies are gradually becoming competitive

Impact of the financial crisis
Fall in private investment, tight financing conditions

Shale gas
US oil and gas production

Review of nuclear policies
at national level

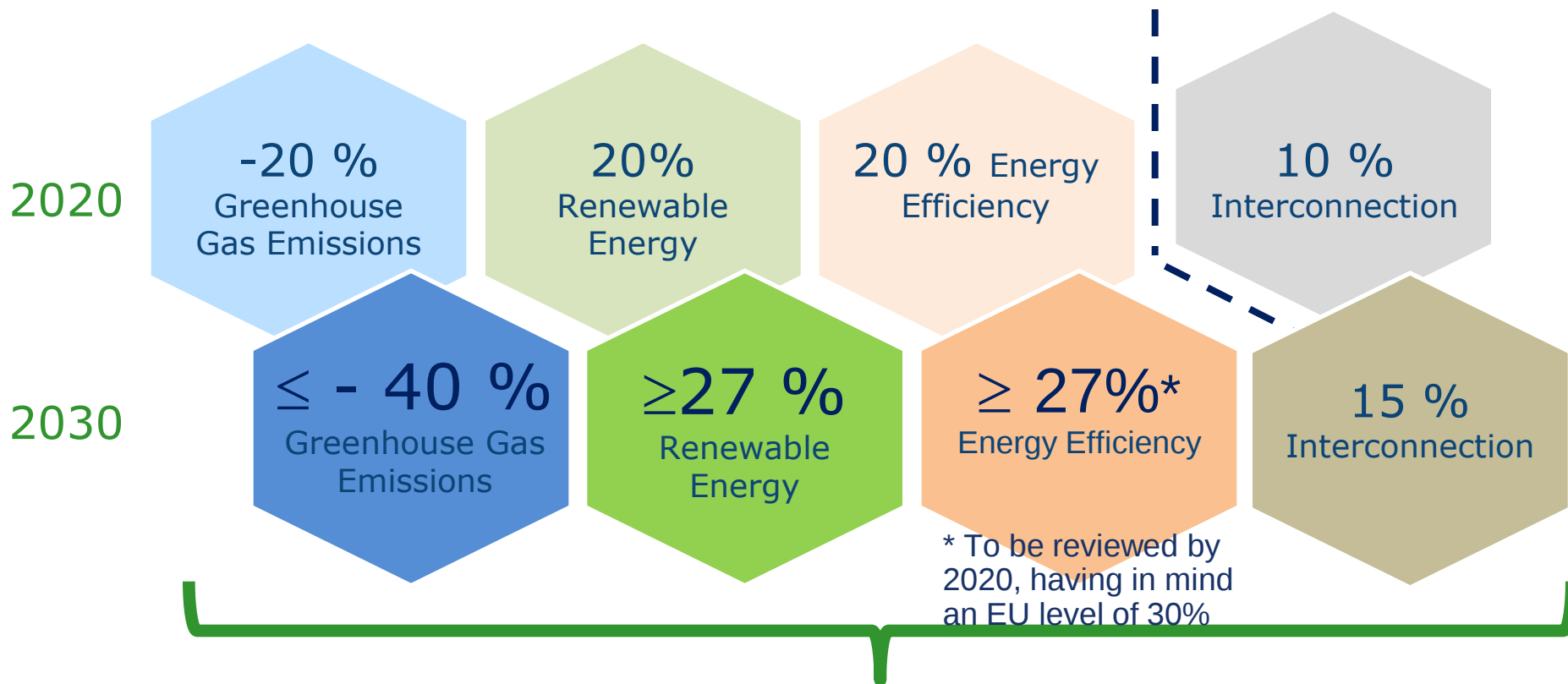


Unconventional gas
Unconventional oil
Conventional gas
Conventional oil

Rising demand
-> rising prices
By 2030, world economy set to double and energy demand to rise by 1/3

Agreed headline targets

2030 Framework for Climate and Energy



New governance system + indicators

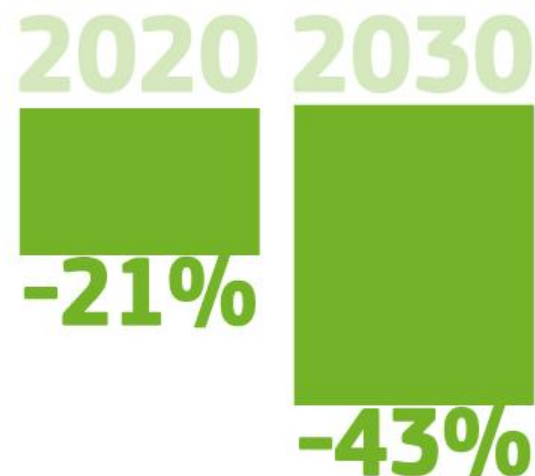
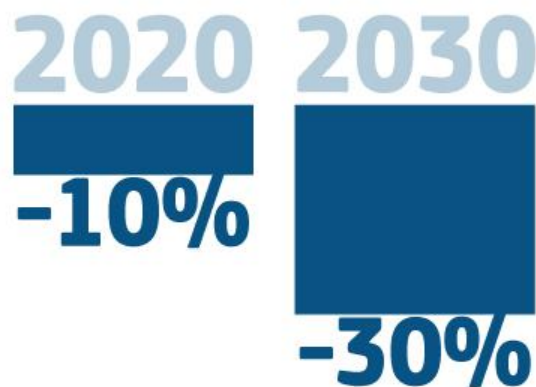


European
Commission

CLIMATE

Emission reductions in ETS and non-ETS

EMISSION
REDUCTIONS
IN ETS AND
NON-ETS
COMPARED TO 2005





Ongoing work

2015

- » International: Paris UNFCCC conference

Summer 2016:

- » The Commission will propose legislation to achieve the greenhouse gas reduction target.
- » Communication on decarbonisation of transport

End of 2016

- » Propose for a new Renewable Energy Package including a new policy for sustainable biomass and biofuels