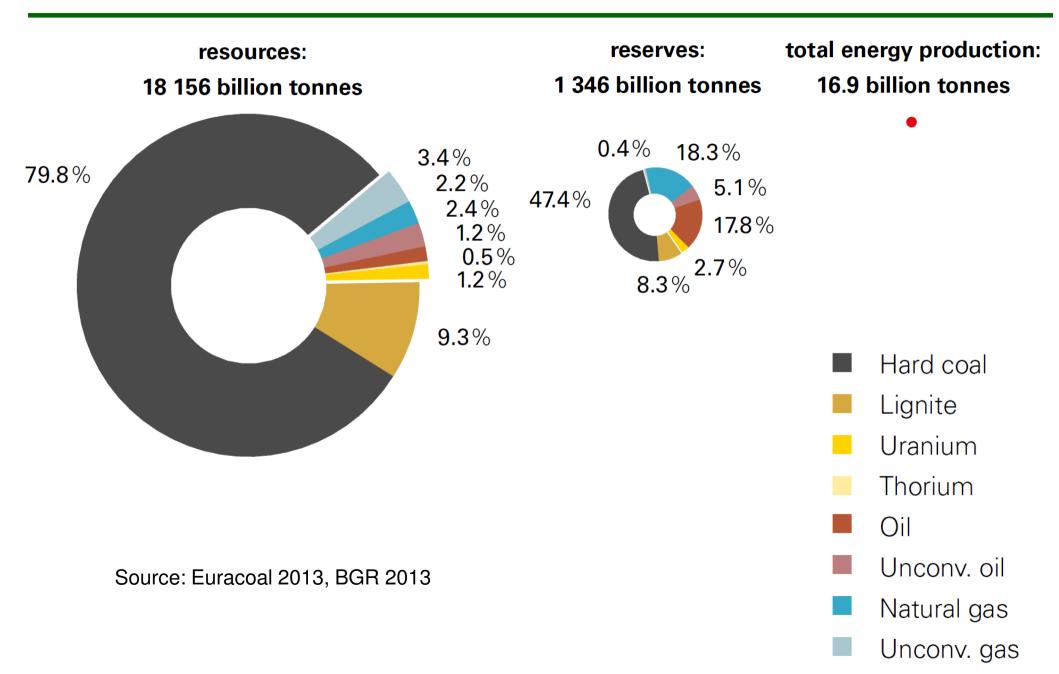
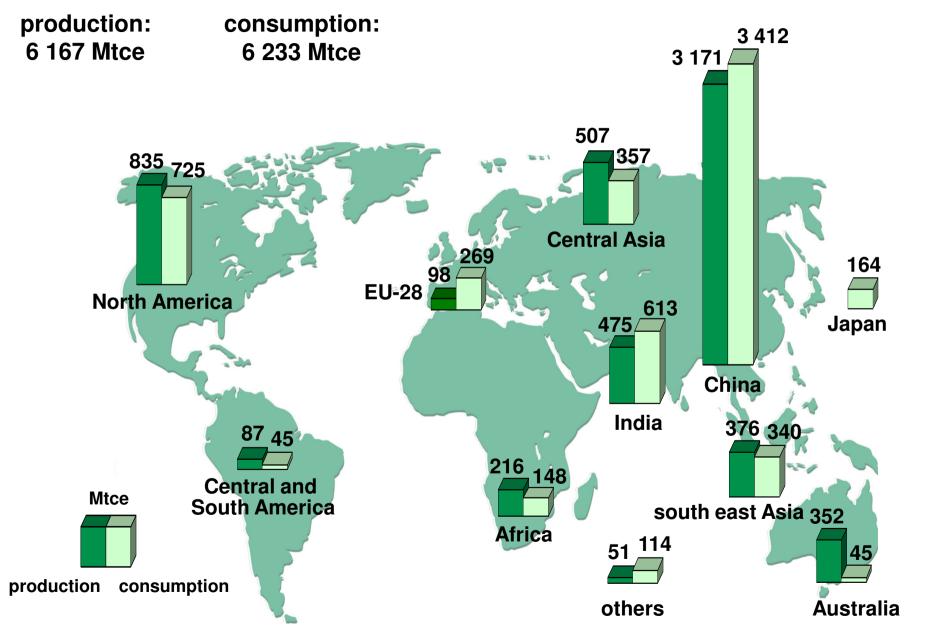
#### Global energy reserves and resources: no future without coal





#### World coal production and consumption 2013

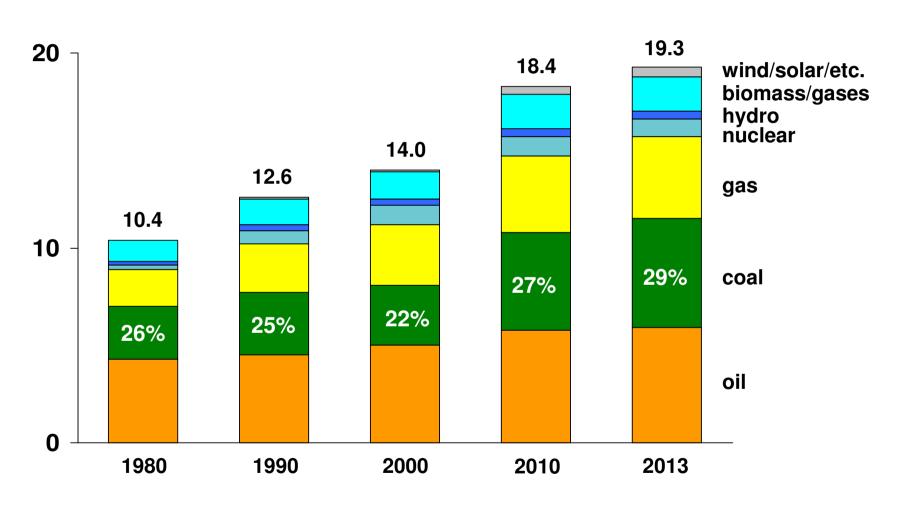




#### World primary energy consumption by energy source

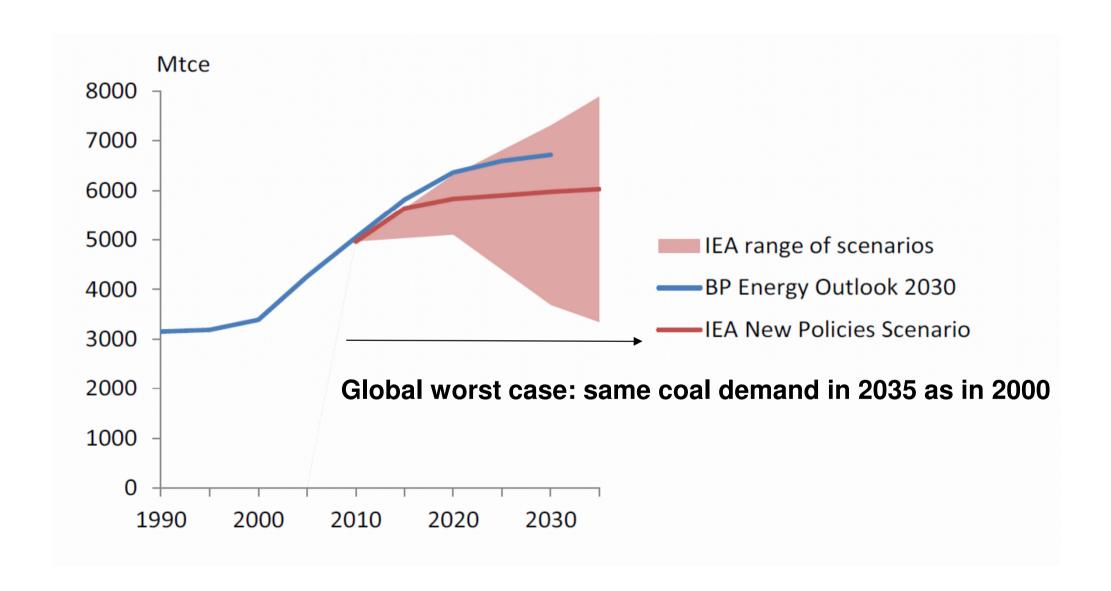






## Range of scenarios about the global future of coal demand: "Coal is here to stay for a long time" (IEA)

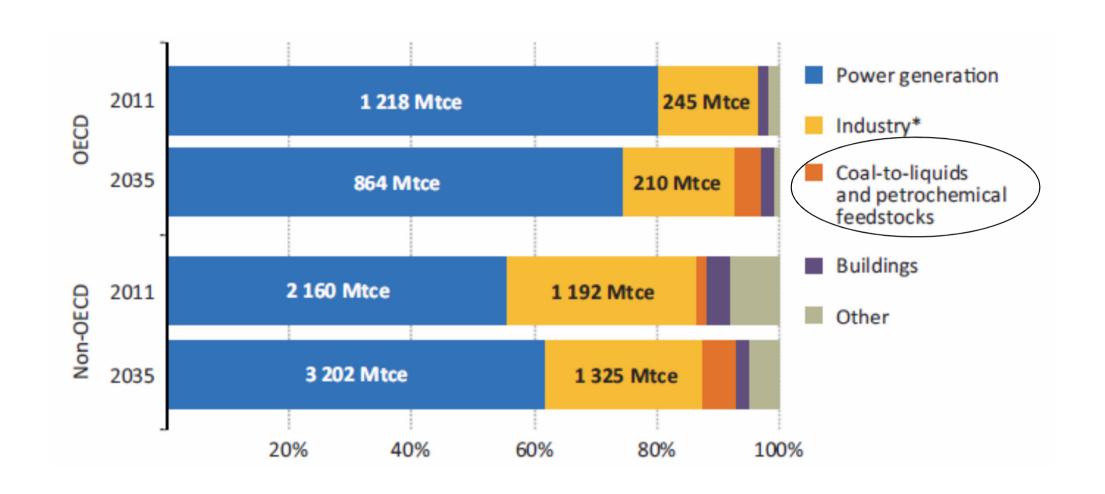




Sources: BP, 2013b; IEA, 2012

#### Coal demand by key sector in the New Policies Scenario A global trend in direction of more coal-to-liquids



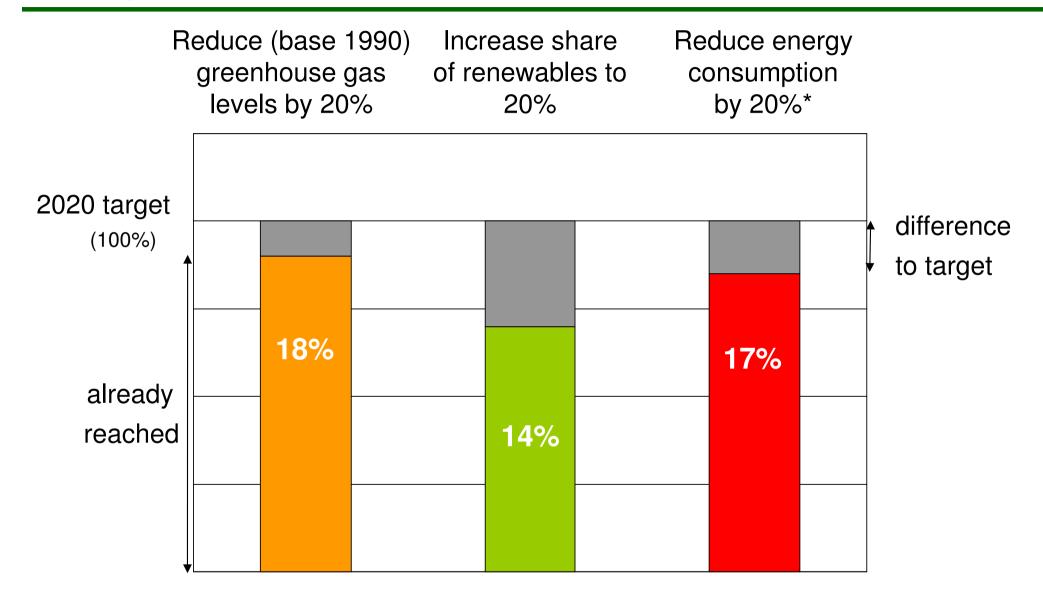


Source: IEA WEO 2013 – Coal Market Outlook

<sup>\*</sup> includes own use and transformation in blast furnaces and coke ovens

### EU: "20-20-20" energy and climate targets for 2020: some parts left to be done



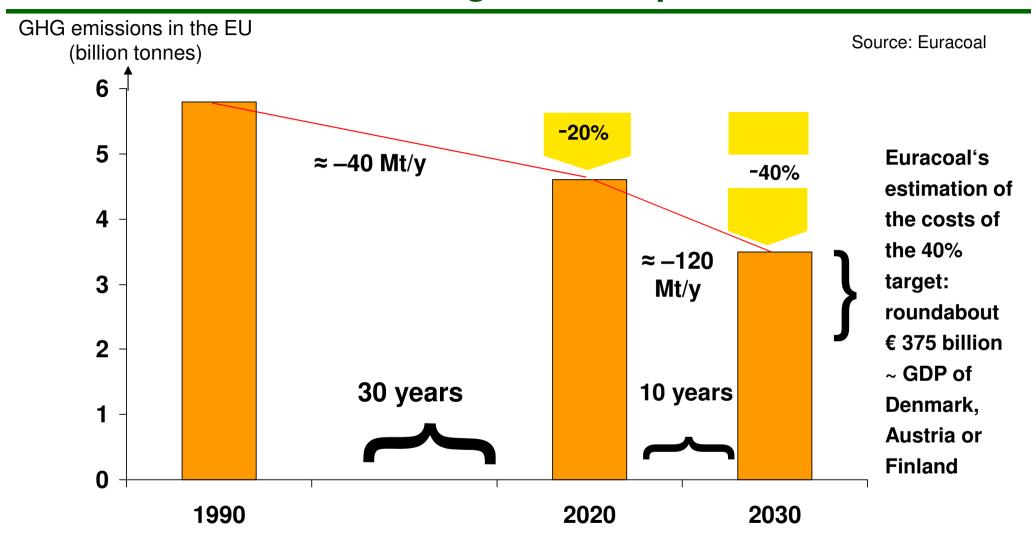


Sources: Euracoal, European Commission, Eurostat

\*reduction against *trend* 2005 to 2020

### Reduction of GHG emissions in the EU until 2020 and now until 2030: two stages – two speeds

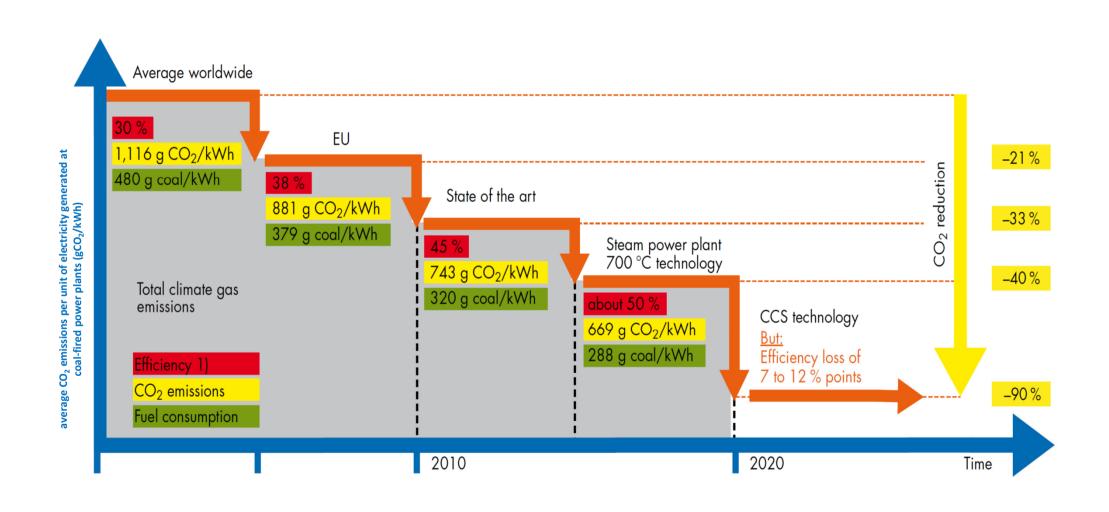




For the EU, this means reducing GHGs from 5.8 Gt/y in 1990, to some 4.6 Gt/y in 2020, and to some 3,5 Gt/y in 2030.

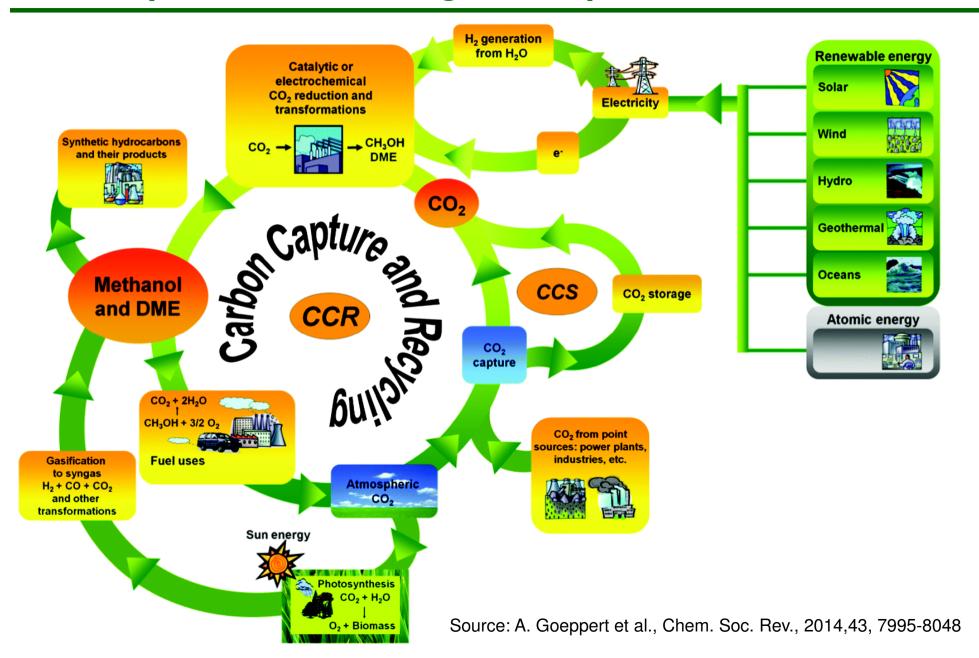
## Euracoal: A (three-step) Strategy for Clean Coal could deliver a big contribution to the EU targets





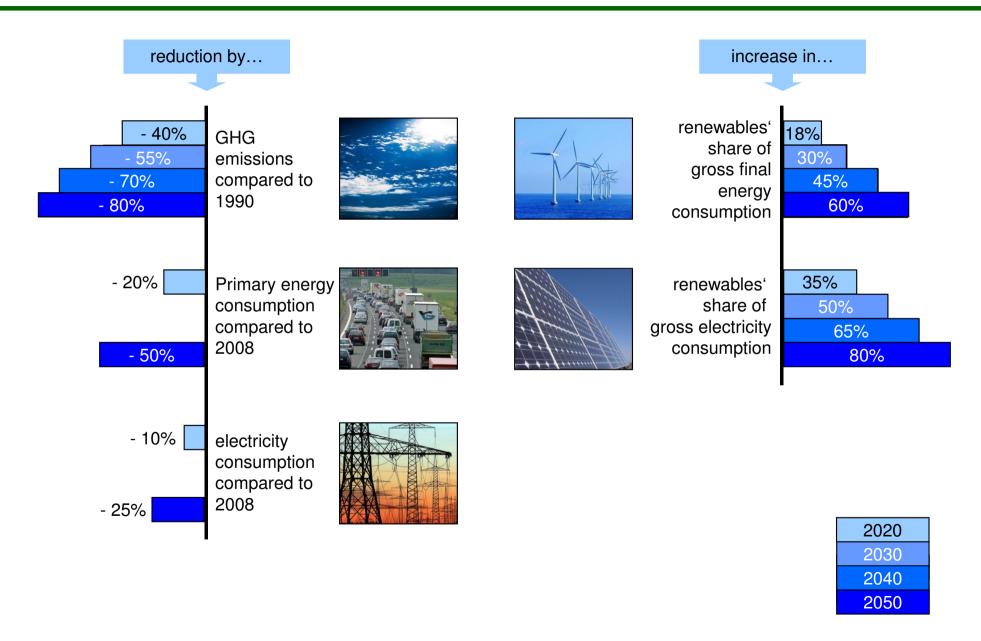
## Recycling of carbon dioxide to methanol and derived products – closing the loop





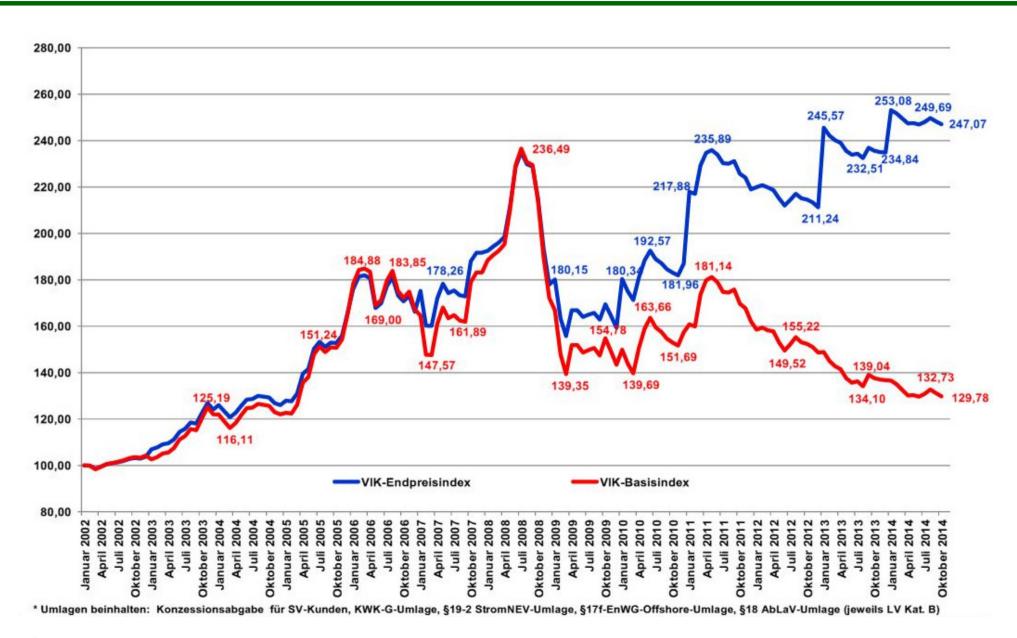
#### The German Energy Plan: National targets and timeframes





#### VIK electricity price index

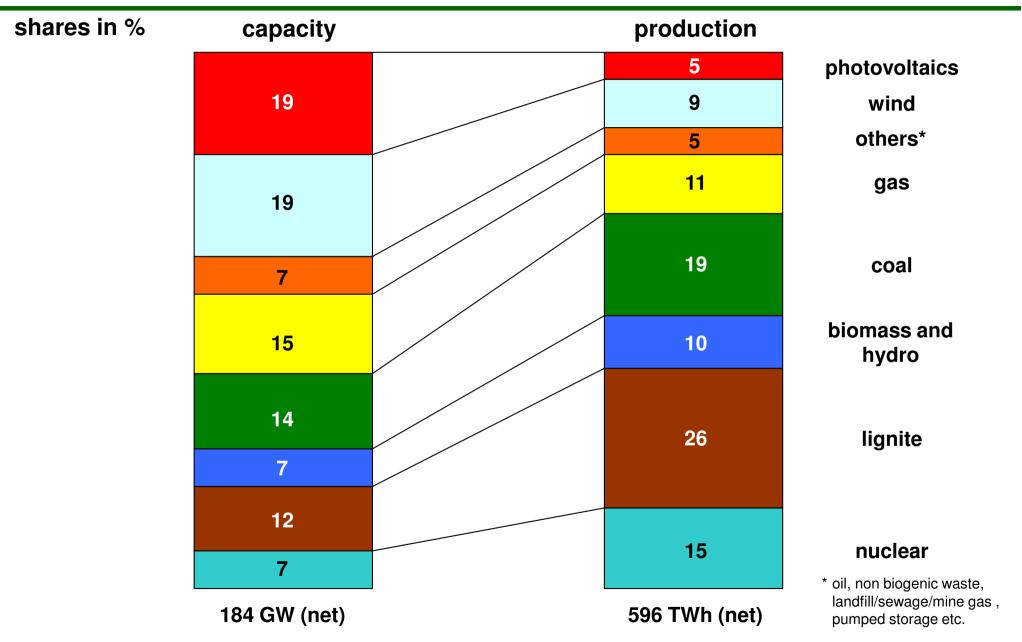




Grafik: VIK, 11/2014

## Power station capacity and electricity production in Germany 2013

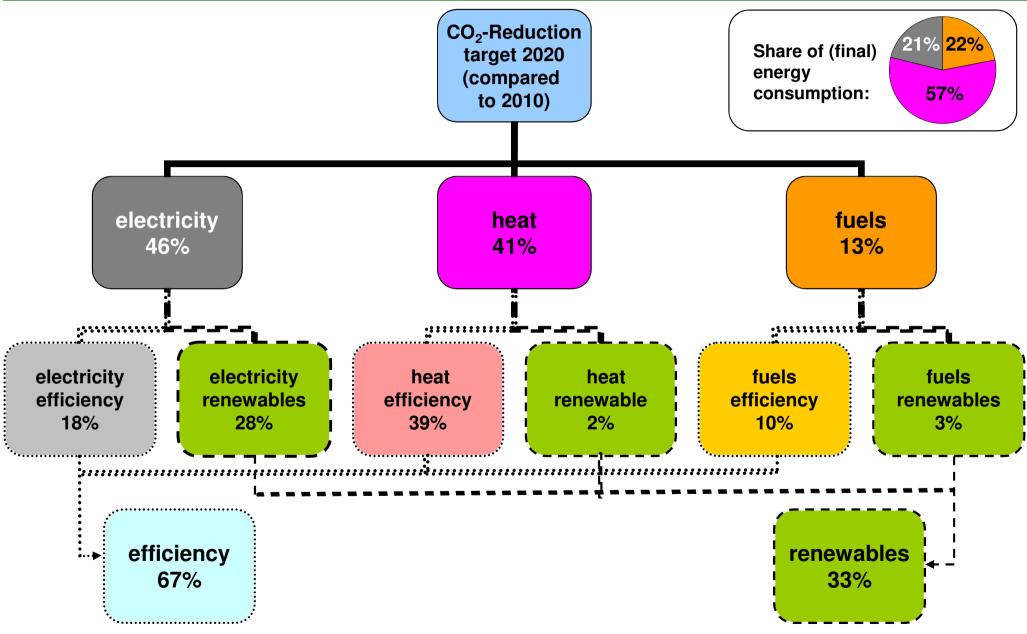




Source: BDEW, 8/2014

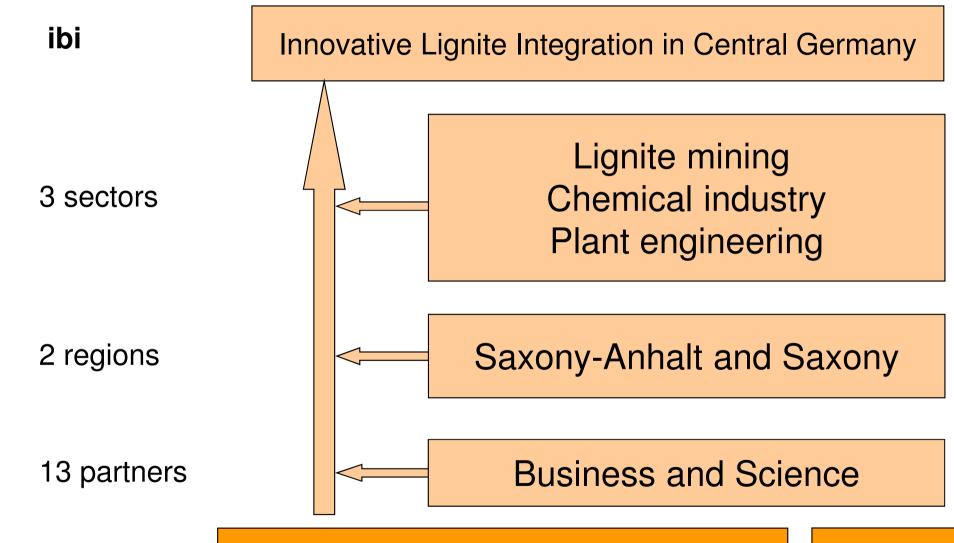
# Contributions to the reduction in energy-related CO<sub>2</sub> emissions to 2020 acc. to Energy Plan targets





#### The ibi alliance





line of business

Development of new technologies to produce basic chemicals for the chemical industry along the whole value chain (incl. methanol) Lignite chemical park 2020 Leuna