



Federal Ministry for the
Environment, Nature Conservation
and Nuclear Safety



Germany's Climate Policies

Towards a Low Carbon Society

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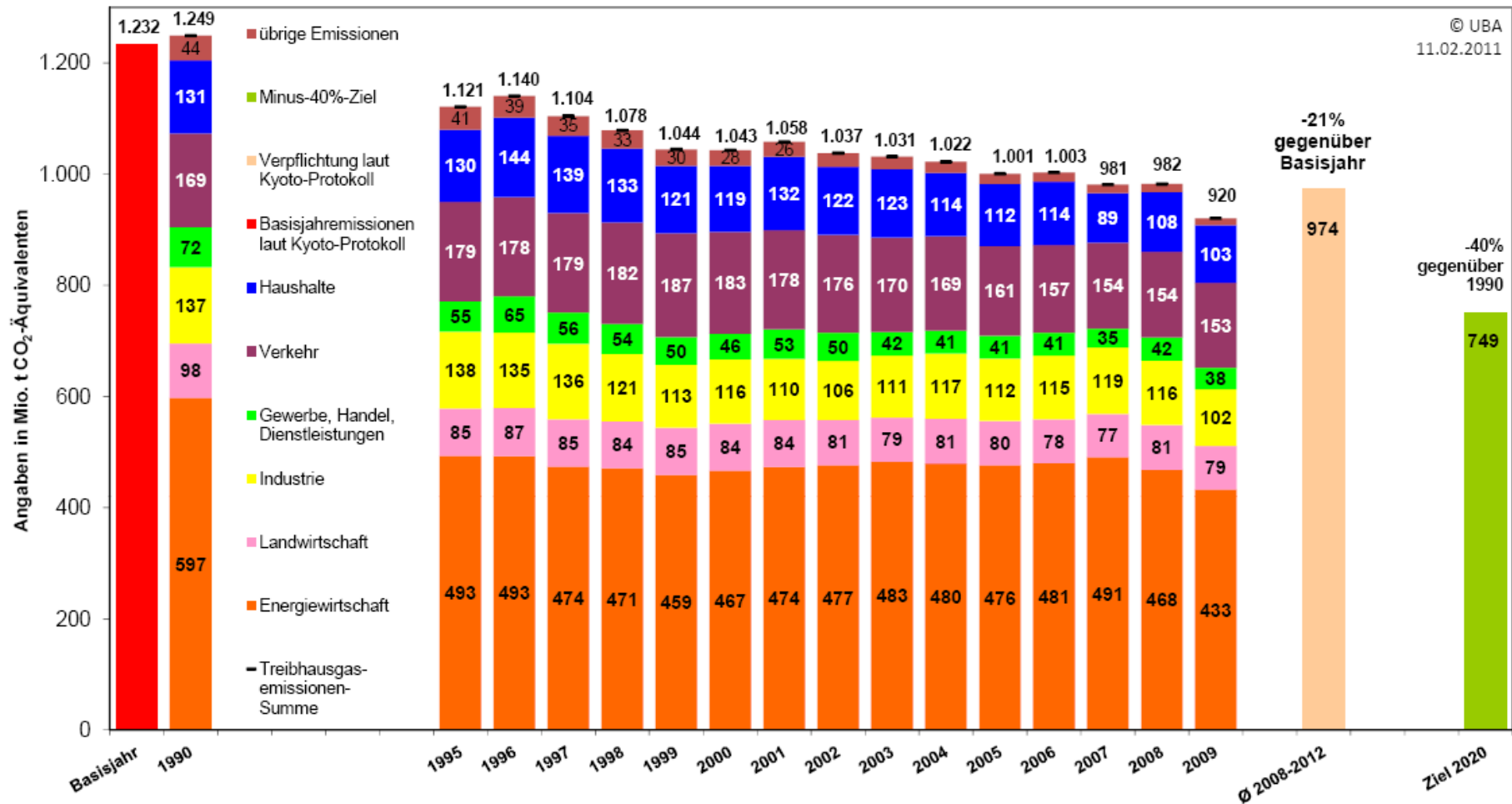
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Germany's GHG-Targets

- **Germany: unconditional -40 % versus 1990 target:**
- 30 % EU-wide reduction in GHGs by 2020 translates into around -40 % for Germany
- Requires a reduction of ~250 million t/a GHGs compared to emissions volume in 2007!
- Today: **26.5 %** below 1990
(German Kyoto target: - 21 %)



Emission trend for Germany





The German Integrated Energy and Climate and Package (IECP) and Energy Concept

- Measures decided and adopted in 2008: the Integrated Energy and Climate Package
 - Energy Concept (2010): extends strategy towards 2050, incl. targets for the reduction of GHG, the increase in renewable energies and for general building renovation
 - The agreed IECP and Energy Concept translate the reduction potentials into a mixed set of measures, based on binding frames, support schemes, initiatives and information.
 - **Overall long-term strategy along with the necessary flexibility for new technological and economic developments**
- a reliable framework for society and economy**



IECP and Energy concept: A Set of different Instruments

- **Legally binding frame** → clear perspective and conditions for reaching the targets
- Supporting and **funding schemes** → developing start up initiatives
- **Feed in tariffs** → provides incentives for developing „green“ technologies
- **Information** → creates savings and win-win situations
- **Monitoring** of implementation → track performance and allow for adjustments

Targets set by the Energy Concept

	Climate	Renewable energies		Efficiency		
	greenhouse gases (vs. 1990)	share electr.	share total	primary energy	energy productivity	building renovation
2020	- 40%	35%	18%	- 20%	increase by 2.1%/year	doubling of rate 1% -> 2%
2030	- 55%	50%	30%			
2040	- 70%	65%	45%			
2050	- 80-95%	80%	60%	- 50%		

Towards a Low Carbon Economy

By achieving Germany's -40 Percent target by 2020:

- at least **500 000 additional jobs** will be created
- annual **avoided fossil energy imports** will be worth approx. **22 billion Euro** (approx. 38 billion Euro in 2030)
- the national **GDP** will annually increase by around **20 billion Euro/ year**
- a **SURPLUS** of **34 € per reduced to CO_{2eq}** will be realized
- in 2030 the **national debt** would be some **180 billion Euro lower** than it would be without climate protection measures



Climate policy pays off!



Further information:

[http://www.bmu.de/english/
climate_energy/doc/41327.php](http://www.bmu.de/english/climate_energy/doc/41327.php)

