

Germany

Per-Capita Emissions in 2030 rel. 2015 (excl. LULUCF): **-34%**

NDC 2025

NDC 2030

2015 World Rank

2025 World Rank

2030 World Rank

Share of World Emissions excl. LULUCF (Rank):

1.9% #9

1.3% #15

1.1% #20

Per-Capita Emissions (tCO₂eq/cap)

11.1t #31

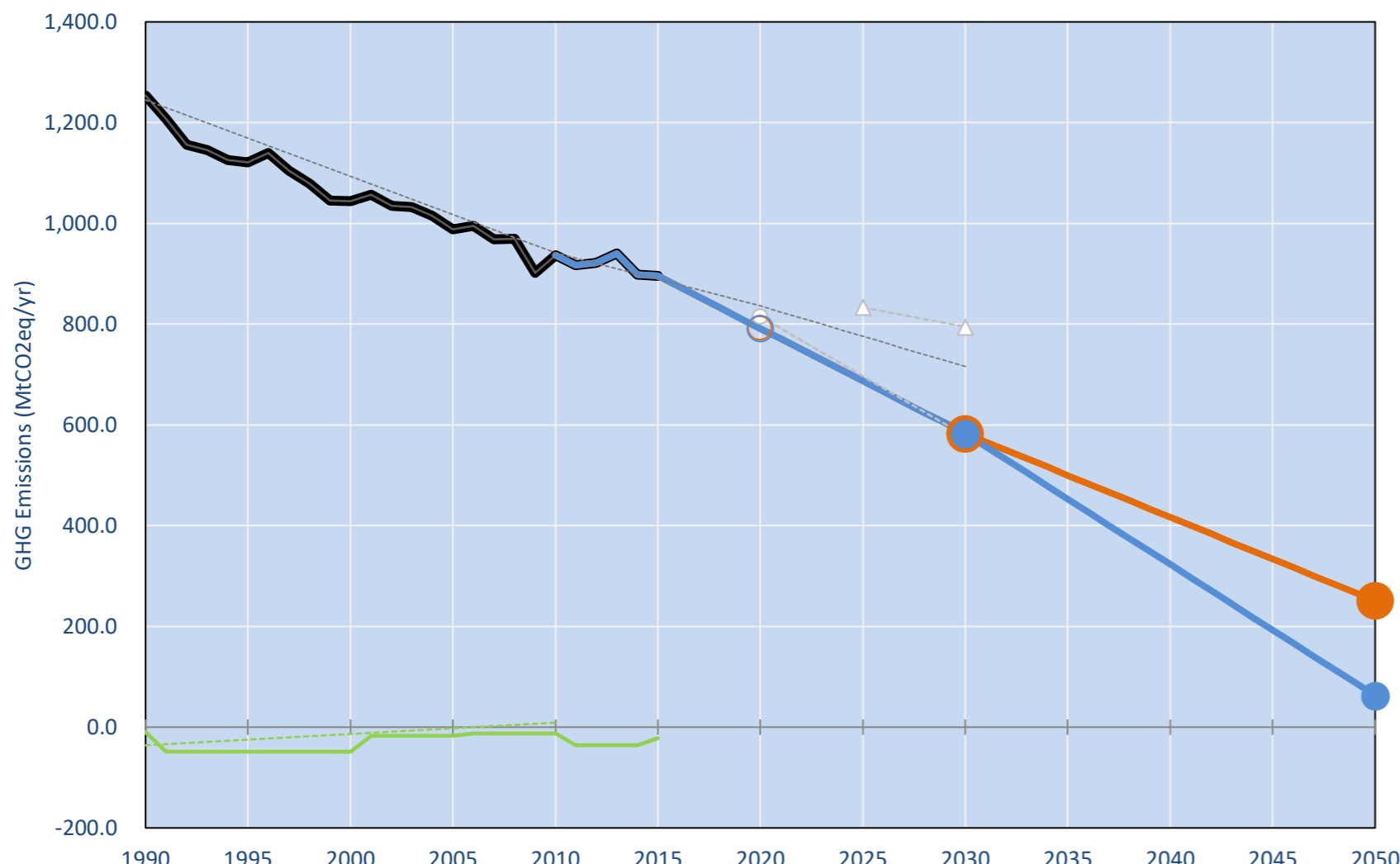
8.6t #45

7.4t #56

NDC: Contributing to the joint EU28 INDC with intra-EU split up of Emission Trading System and Effort Sharing Sectors.. (GWP AR4)

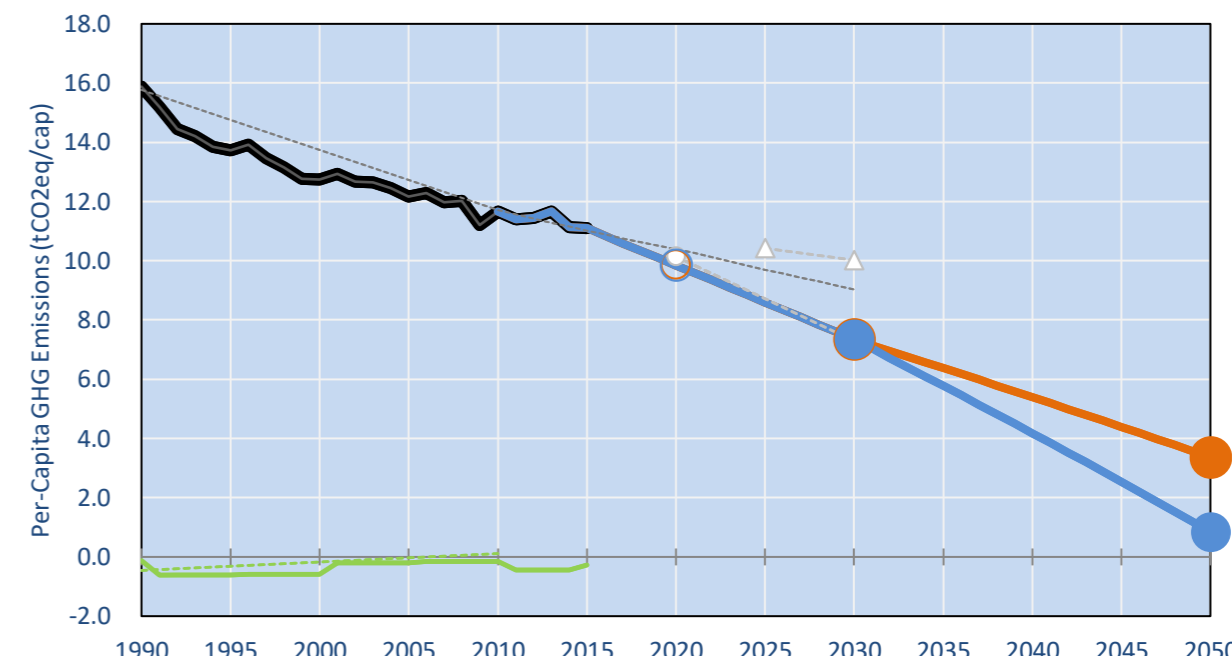
INDC Submitted: 6/03/2015

GHG Emissions

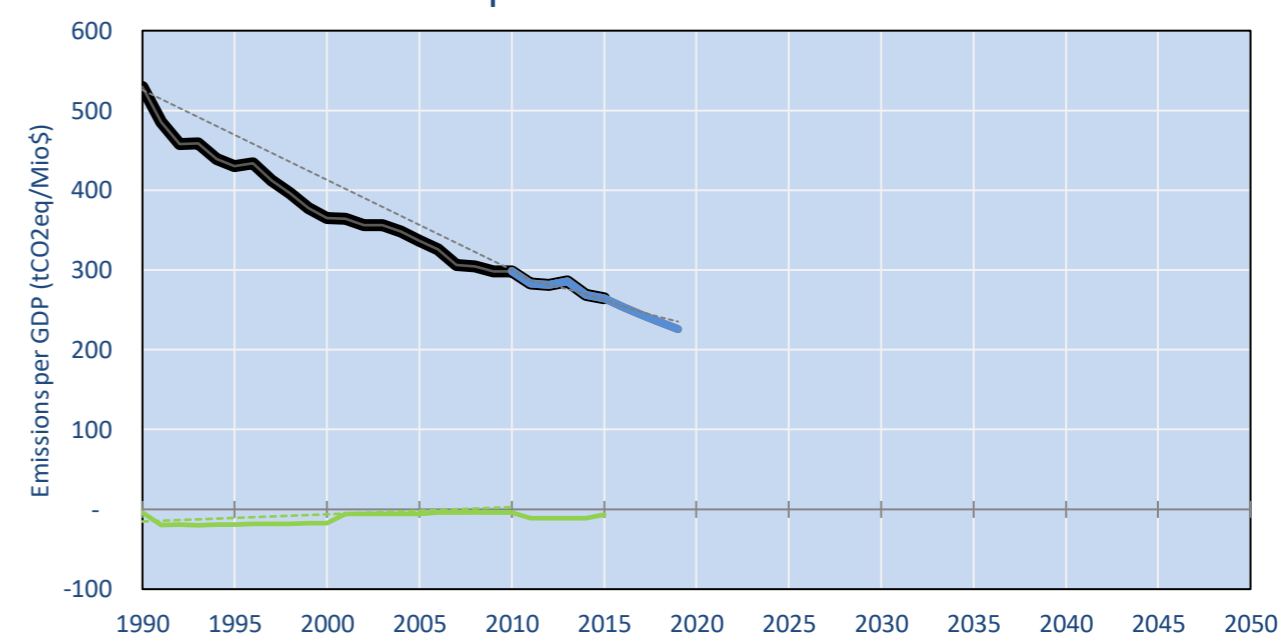


- Reference Total GHG excl. LULUCF
- Historical Covered Emissions, incl. LULUCF, if covered.
- LOW INDC Covered Emissions, incl. LULUCF if covered
- LOW INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH INDC Covered Emissions, incl. LULUCF
- HIGH INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH Cancun Pledges
- WM Total excl. LULUCF Projections
- WM LULUCF Projections
- Approx. 2030 EU MS target (-36% ESD + -43% ETS)
- Regional/Gas-specific BAU
- Not-covered GHG excl. LULUCF (Region Projection)
- Reference LULUCF Emissions
- LOW INDC Levels
- LOW INDC Covered Emissions, excl. LULUCF
- HIGH INDC Levels
- HIGH INDC Covered Emissions, excl. LULUCF
- LOW Cancun Pledges

Per-Capita Emissions



GHG Emissions per GDP



2015 Total GHG Emissions excl. LULUCF

By Gas:

CO₂ 88.6%
CH₄ 6.9%
N₂O 4.0%
F-gases 0.4%

By Sector:

Cat. 1 Energy 85.3%
Cat. 2, 3, 6 & 7 6.8%
Cat 4. Agriculture 7.5%
F-gases 0.4%

GHG Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
(MtCO ₂ eq/yr in GWP AR5)						low	high	low	high	low	high
Assumed LULUCF Accounting Credits (-)/Debits (+)	-	-	-	-	-	7	-7	-	-	19	-19
NDC covered LULUCF Emissions	-	-	-	-	-	-	-	-	-	-	-
NDC covered Emissions excl. LULUCF	1,254	1,044	989	937	896	792	792	687	687	583	583
Total GHG excl. LULUCF	1,254	1,044	989	937	896	792	792	687	687	583	583
Total GHG incl. LULUCF	1,244	996	972	925	873	792	792	665	665	561	561

Relative GHG Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
Total excl. LULUCF						low	high	low	high	low	high
Relative 1990	100%	83%	79%	75%	71%	63%	63%	55%	55%	46%	46%
Relative 2000	120%	100%	95%	90%	86%	76%	76%	66%	66%	56%	56%
Relative 2005	127%	106%	100%	95%	91%	80%	80%	70%	70%	59%	59%
Relative 2010	134%	111%	105%	100%	96%	84%	84%	73%	73%	62%	62%
Relative 2015	140%	117%	110%	105%	100%	88%	88%	77%	77%	65%	65%

Per-Capita Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
Total excl. LULUCF						low	high	low	high	low	high
Population (Mio)	79	82	81	80	81	80	80	80	80	79	79
Per-Capita Emissions (tCO ₂ eq/cap)	15.9	12.8	12.2	11.7	11.1	9.8	9.8	8.6	8.6	7.4	7.4
Relative 1990	100%	80%	77%	73%	70%	62%	62%	54%	54%	46%	46%
Relative 2000	125%	100%	95%	91%	87%	77%	77%	67%	67%	58%	58%
Relative 2005	130%	105%	100%	96%	91%	81%	81%	71%	71%	60%	60%
Relative 2010	136%	109%	104%	100%	95%	84%	84%	74%	74%	63%	63%
Relative 2015	143%	115%	110%	105%	100%	89%	89%	77%	77%	66%	66%

Data Sources:

Cat1_CO2 PRIMAPHIST17
Cat2367_CO2 PRIMAPHIST17
Cat4_CO2 PRIMAPHIST17
Cat5_CO2 PRIMAPHIST17
Cat1_CH4 PRIMAPHIST17
Cat2367_CH4 PRIMAPHIST17
Cat4_CH4 PRIMAPHIST17
Cat5_CH4 PRIMAPHIST17
Cat1_N2O PRIMAPHIST17
Cat2367_N2O PRIMAPHIST17
Cat4_N2O PRIMAPHIST17
Cat5_N2O PRIMAPHIST17
Cat0_HFCs PRIMAPHIST17
Cat0_PFCs PRIMAPHIST17
Cat0_SF6 PRIMAPHIST17
Population UN 2015 Population Projections MEDIUM
GDP IMF WEO 2015, PPP adjusted GDP, constant 2009 prices...
IPCC WG3 Scenario IMAGE | AMPERE2-550-FullTech-HST
PRIMAPHIST16 description: www.pik-potsdam.de/primap-live/primap-hist/
Gratefully acknowledged in particular: PRIMAP, CAIT, CDIAC, EDGAR, IPCC, IEA, UNEP GAP Team, AMPERE Team and comments on earlier versions, in particular by Giacomo Grassi. Errors and misjudgements are our own. Malte Meinshausen & Ryan Alexander; The "Fiji COP23" Edition was enabled through support via the BMUB project UM14 41 4060
This Factsheet is available at www.climatecollege.unimelb.edu.au/indc-factsheets. Check out as well: www.climateactiontracker.org, www.mitigation-contributions.org, cait.wri.org, infographics.pbl.nl/indc, live.primap.org, www.unep.org/climatechange/pledgepipeline, and our twitter feed @ClimateCollege
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AUSTRALIAN-GERMAN CLIMATE & ENERGY COLLEGE

Various 'fair' contributions for a global 'least-cost' 2°C path (total incl. LULUCF):

2025 rel. 2010:		2030 rel. 2010:	
LEADER	-54%	LEADER	-73%
CDC	-36%	CDC	-48%
ECPC50	-49%	ECPC50	-67%
ECPC90	-40%	ECPC90	-54%
GDR	-76%	GDR	-94%
INDC HIGH	-28%	INDC HIGH	-39%
INDC LOW	-28%	INDC LOW	-39%

More info on www.mitigation-contributions.org

"Fair" contributions for a global 'least-cost' 2°C track:

LEADER **Leader**
CDC **Common-but-diff. per-cap. convergence**
ECPC50 **Eq. cum. Per-capita since 1950**
ECPC90 **Eq. cum. Per-capita since 1990**
GDR **Greenhouse Development Rights**
#N/A **No available data**