

Shown: 2025 & 2030: Min/max of unconditional and conditional targets

Paris Agreement ratified on: 05/10/2016

EU28

Per-Capita Emissions in 2030 rel. 2015 (excl. LULUCF): **-19%**

NDC 2025

NDC 2030

2015

2025

2030

Share of World Emissions excl. LULUCF (Rank):

9.0%

7.1%

6.4%

Per-Capita Emissions (tCO₂eq/cap)

8.6t

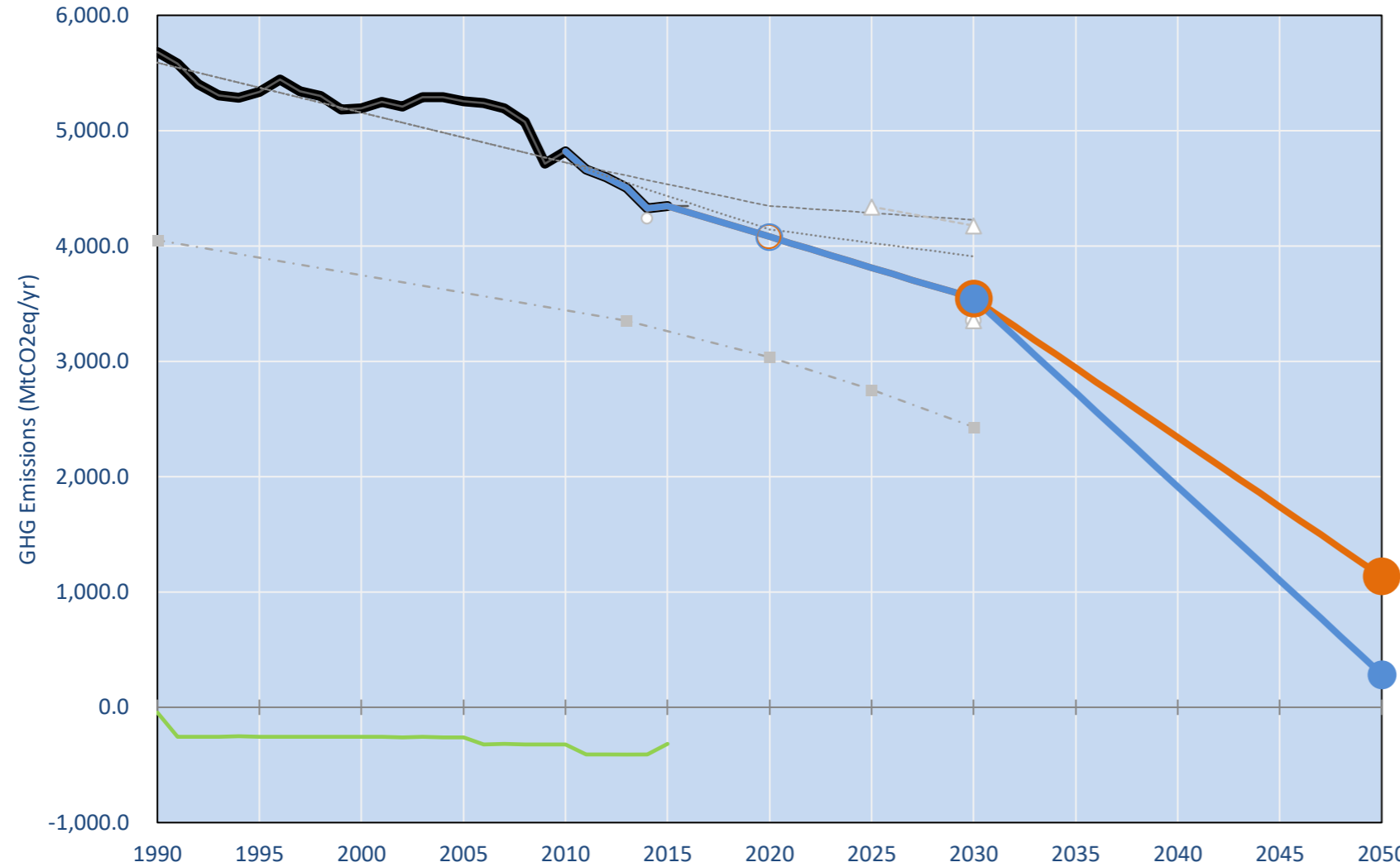
7.5t

7t

NDC: At least 40% reduction of GHG emissions by 2030 compared to 1990. ()

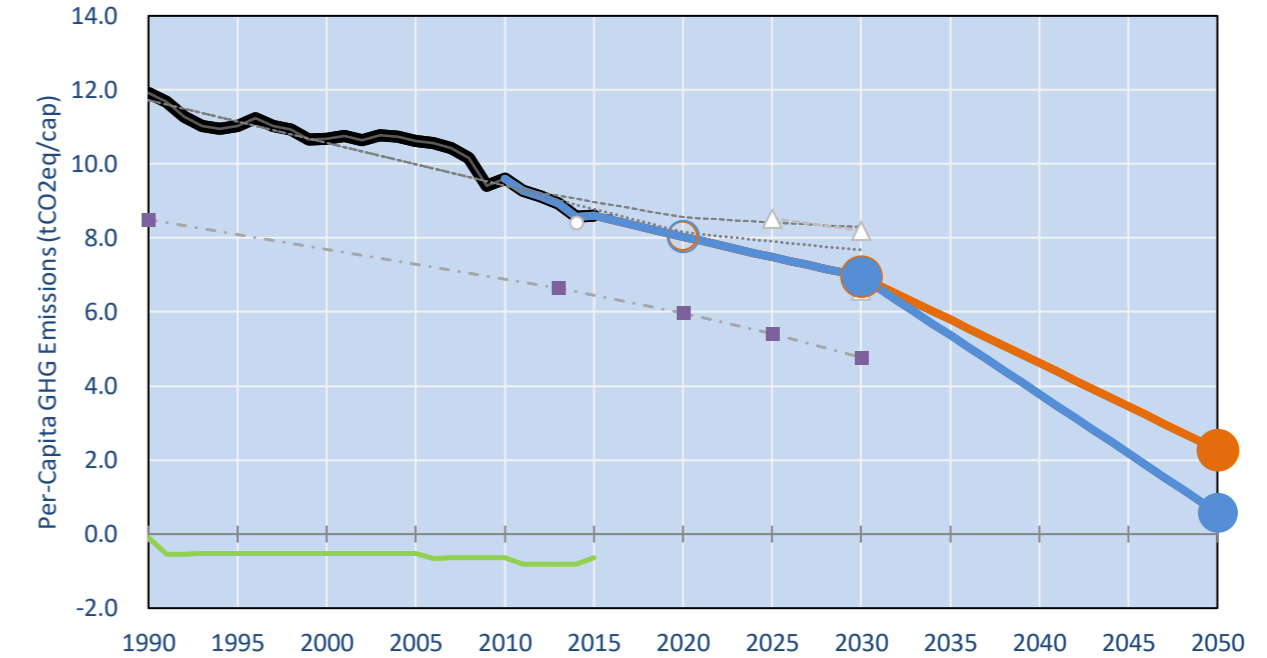
INDC Submitted: 6/03/2015

GHG Emissions

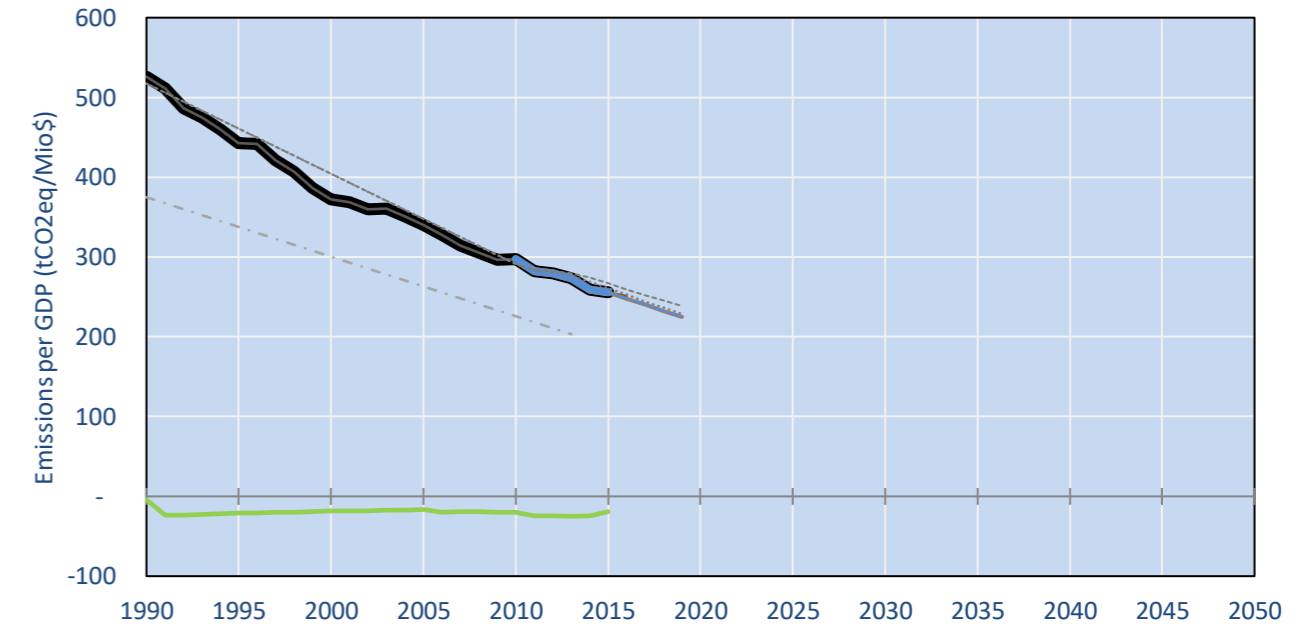


- Reference Total GHG excl. LULUCF
- Historical Covered Emissions, incl. LULUCF, if covered.
- LOW INDC Covered Emissions, incl. LULUCF if covered
- LOW INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH INDC Covered Emissions, incl. LULUCF
- HIGH INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH Cancun Pledges
- WM Total excl. LULUCF Projections
- Reference LULUCF Emissions
- LOW INDC Levels
- LOW INDC Covered Emissions, excl. LULUCF
- HIGH INDC Levels
- HIGH INDC Covered Emissions, excl. LULUCF
- LOW Cancun Pledges
- WAM Total excl. LULUCF Projections
- EEA Approximated GHG emissions for 2014
- Regional/Gas-specific BAU
- Comparison II Timeseries HIGH
- Approx. 2030 EU MS target (-30% ESD + -43% ETS)
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- Not-covered GHG excl. LULUCF (Region Projection)

Per-Capita Emissions



GHG Emissions per GDP



2015 Total GHG Emissions excl. LULUCF

By Gas:

CO ₂	81.0%
CH ₄	10.5%
N ₂ O	5.8%
F-gases	2.7%

By Sector:

Cat. 1 Energy	77.7%
Cat. 2, 3, 6 & 7	9.5%
Cat 4. Agriculture	10.1%
F-gases	2.7%

GHG Emissions

	1990	2000	2005	2010	2015	2020	2025	2030	
(MtCO ₂ eq/yr in GWP AR4)						low	high	low	high
Assumed LULUCF Accounting Credits (-)/Debits (+)						85	85	137	137
NDC covered LULUCF Emissions									
NDC covered Emissions excl. LULUCF	5,681	5,194	5,254	4,820	4,348	4,080	4,080	3,813	3,545
Total GHG excl. LULUCF	5,681	5,194	5,254	4,820	4,348	4,080	4,080	3,813	3,545
Total GHG incl. LULUCF	5,636	4,938	4,995	4,498	4,028	3,811	3,811	3,521	3,265

Relative GHG Emissions

	1990	2000	2005	2010	2015	2020	2025	2030	
Total excl. LULUCF						low	high	low	high
Relative 1990	100%	91%	92%	85%	77%	72%	72%	67%	62%
Relative 2000	109%	100%	101%	93%	84%	79%	79%	73%	68%
Relative 2005	108%	100%	100%	92%	83%	78%	78%	73%	67%
Relative 2010	118%	108%	109%	100%	90%	85%	85%	79%	74%
Relative 2015	131%	119%	121%	111%	100%	94%	94%	88%	82%

Per-Capita Emissions

	1990	2000	2005	2010	2015	2020	2025	2030	
Total excl. LULUCF						low	high	low	high
Population (Mio)	477	487	494	502	505	508	508	509	509
Per-Capita Emissions (tCO ₂ eq/cap)	11.9	10.7	10.6	9.6	8.6	8.0	8.0	7.5	7.0
Relative 1990	100%	90%	89%	81%	72%	67%	67%	63%	58%
Relative 2000	112%	100%	100%	90%	81%	75%	75%	70%	65%
Relative 2005	112%	100%	100%	90%	81%	76%	76%	70%	65%
Relative 2010	124%	111%	111%	100%	90%	84%	84%	78%	73%
Relative 2015	138%	124%	124%	112%	100%	93%	93%	87%	81%

Data Sources:

Cat1_CO2	PRIMAPHIST17	Cat5A1_CO2	UNFCCC CRF + Nat. Comms.
Cat2367_CO2	PRIMAPHIST17	Cat5A2_CO2	UNFCCC CRF + Nat. Comms.
Cat4_CO2	PRIMAPHIST17	Cat5LtoNonFL_CO2	UNFCCC CRF + Nat. Comms.
Cat5_CO2	PRIMAPHIST17	Cat5GCMCMWM_C	UNFCCC CRF + Nat. Comms.
Cat1_CH4	PRIMAPHIST17	Cat5A1ForestFires	UNFCCC Cat5 + EDGAR(IPCC Database)
Cat2367_CH4	PRIMAPHIST17	Cat5A1HWP_CO2	UNFCCC CRF + Nat. Comms.
Cat4_CH4	PRIMAPHIST17	Cat5bisA_CO2	UNFCCC CRF + NATCOMM.
Cat5_CH4	PRIMAPHIST17	Cat5bisB_CO2	UNFCCC CRF + NATCOMM.
Cat1_N2O	PRIMAPHIST17	Cat5bisC_CO2	UNFCCC CRF + NATCOMM.
Cat2367_N2O	PRIMAPHIST17	Cat5bisD_CO2	UNFCCC CRF + NATCOMM.
Cat4_N2O	PRIMAPHIST17	Cat5bisE_CO2	UNFCCC CRF + NATCOMM.
Cat5_N2O	PRIMAPHIST17	PRO_WM_Cat5_G	UNFCCC Annex I Reports
Cat0_HFCs	PRIMAPHIST17	Metric	GWP AR4
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		
		climatecollege.unimelb.edu.au	
		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 -43%	LEADER -61%
CDC -30%	CDC -41%
ECPC50 -35%	ECPC50 -49%
ECPC90 -30%	ECPC90 -43%
GDR -70%	GDR -88%
INDC HIGH -22%	INDC HIGH -27%
INDC LOW -22%	INDC LOW -27%

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