

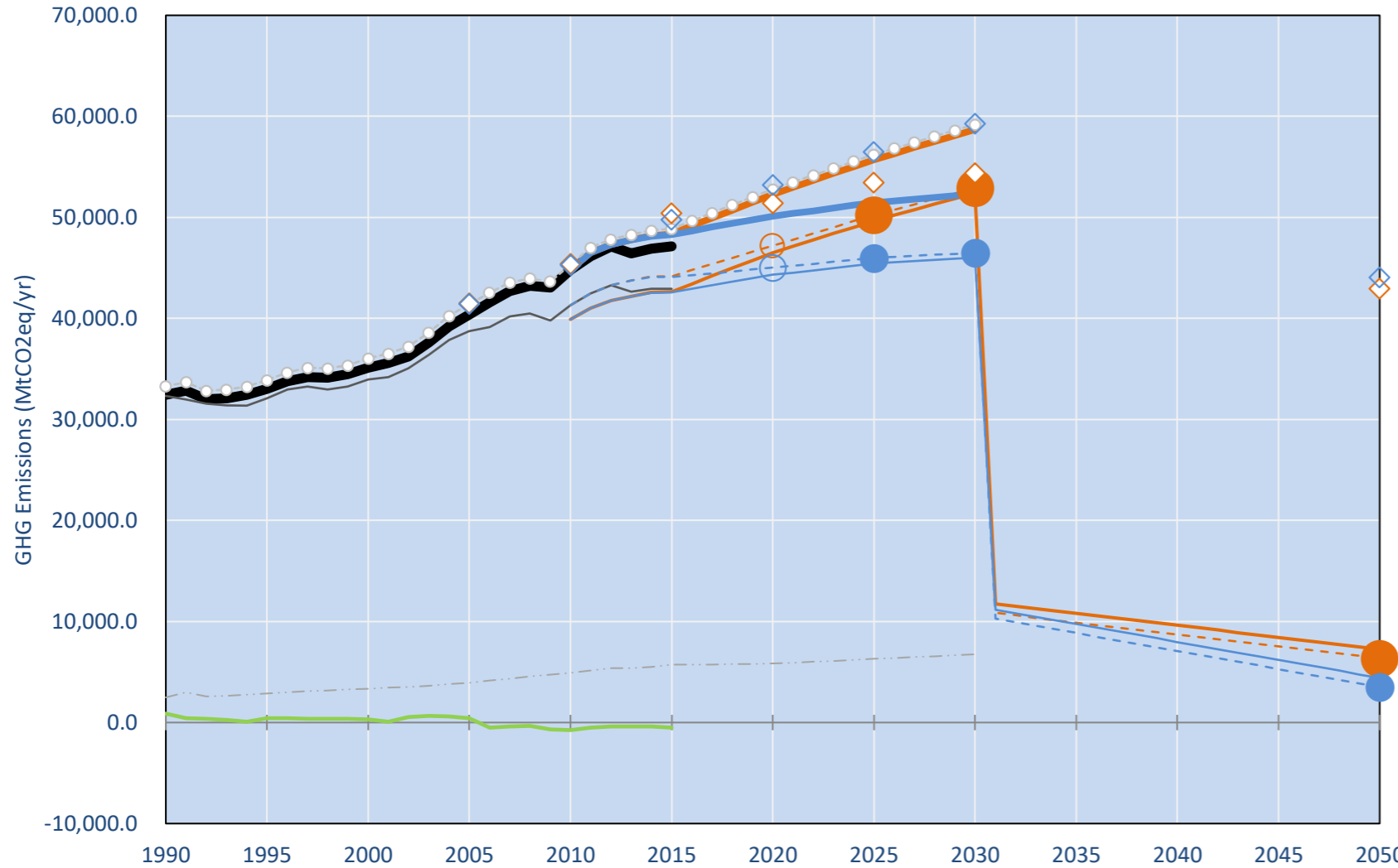
World

Per-Capita Emissions in 2030 rel. 2015 (excl. LULUCF): **-1%**

	2015	2025	2030
Share of World Emissions excl. LULUCF (Rank):	100.0%	100.0%	100.0%
Per-Capita Emissions (tCO ₂ eq/cap)	6.6t	6.6t	6.6t

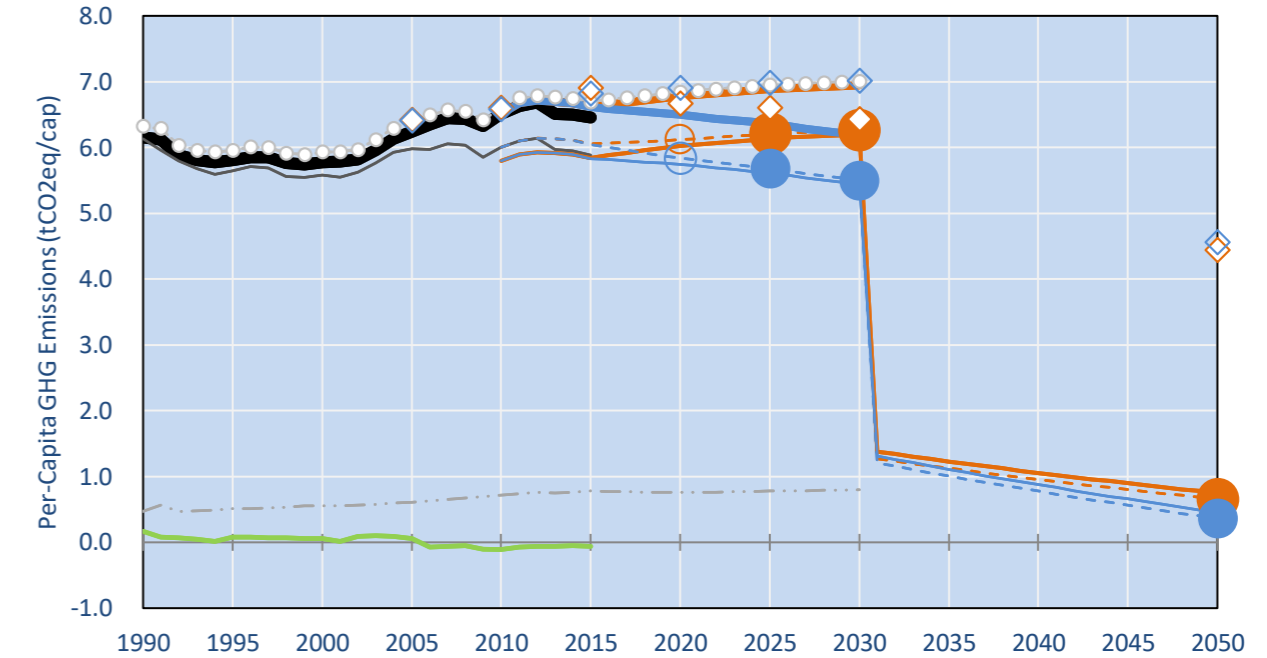
INDC Submitted: #

GHG Emissions

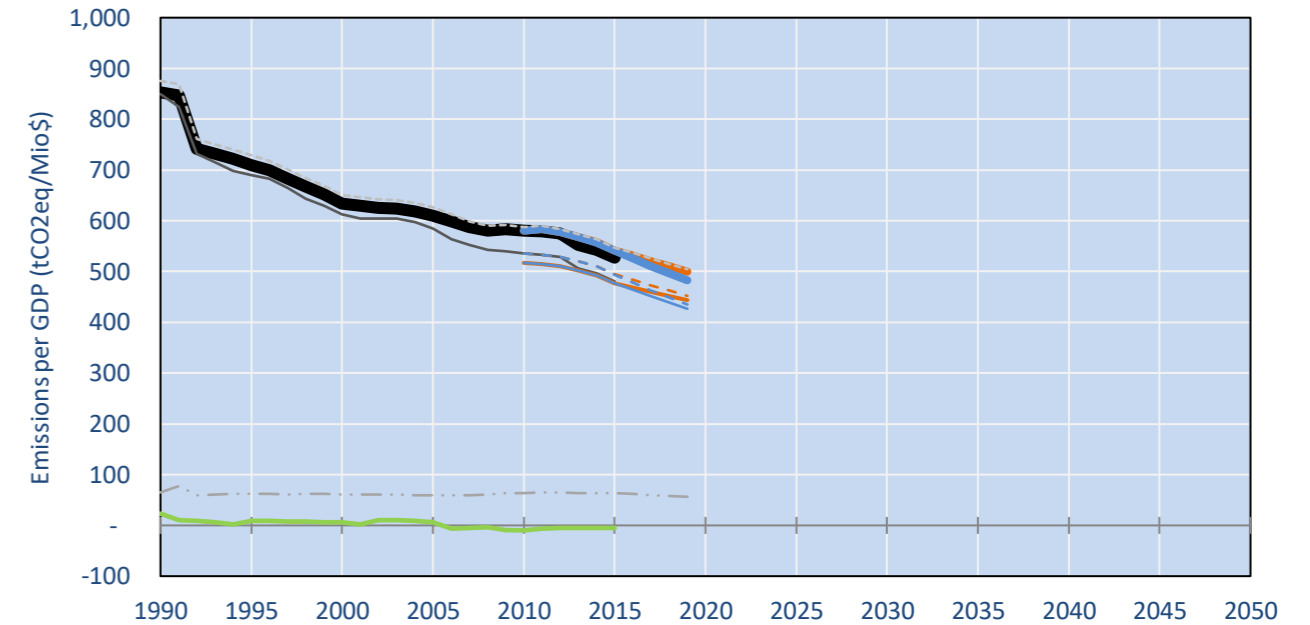


- Reference Total GHG excl. LULUCF
- Historical Covered Emissions, incl. LULUCF, if covered.
- LOW INDC Covered Emissions, incl. LULUCF if covered
- LOW INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH INDC Covered Emissions, incl. LULUCF
- HIGH INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH Cancun Pledges
- Reference LULUCF Emissions
- LOW INDC Levels
- LOW INDC Covered Emissions, excl. LULUCF
- HIGH INDC Levels
- HIGH INDC Covered Emissions, excl. LULUCF
- LOW Cancun Pledges
- OPT Scenario
- Harmonised Emissions LOW
- Not-covered GHG excl. LULUCF (Region Projection)

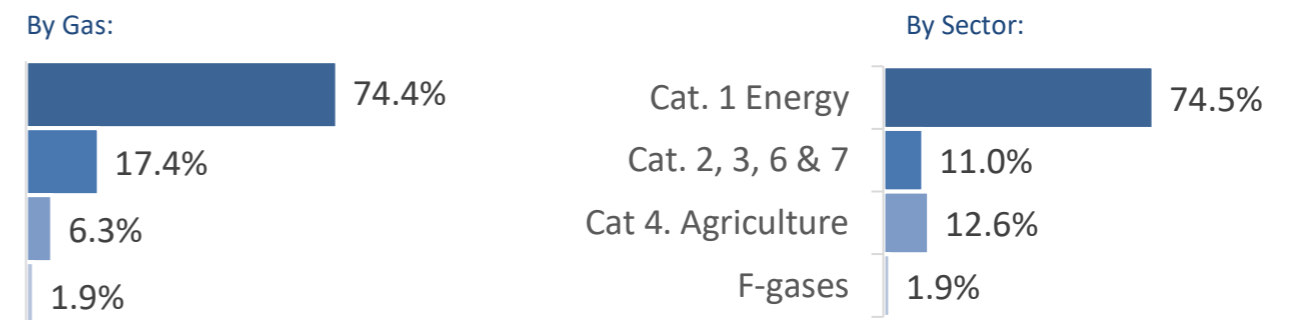
Per-Capita Emissions



GHG Emissions per GDP



2015 Total GHG Emissions excl. LULUCF



GHG Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
(MtCO ₂ eq/yr in GWP AR4)						low	high	low	high	low	high
Assumed LULUCF Accounting Credits (-)/Debits (+)						-	-				
NDC/INDC covered LULUCF Emissions	2,359	2,180	2,286	1,423	1,523	698	698	584	584	470	470
NDC/INDC covered Emissions excl. LULUCF	29,978	31,750	36,446	39,909	42,667	46,484	44,310	49,663	45,423	52,420	46,015
Total GHG excl. LULUCF	32,466	35,115	40,380	44,815	48,371	52,278	50,103	55,718	51,478	58,695	52,291
Total GHG incl. LULUCF	33,348	35,447	40,782	44,062	47,891	50,404	48,230	53,782	49,542	56,672	50,268
Total GHG incl. land-use, harmonised	38,616	40,546	45,204	48,383		53,708	51,534	57,285	53,045	60,132	53,728

Relative GHG Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
Total excl. LULUCF						low	high	low	high	low	high
Relative 1990	100%	108%	124%	138%	149%	161%	154%	172%	159%	181%	161%
Relative 2000	92%	100%	115%	128%	138%	149%	143%	159%	147%	167%	149%
Relative 2005	80%	87%	100%	111%	120%	129%	124%	138%	127%	145%	129%
Relative 2010	72%	78%	90%	100%	108%	117%	112%	124%	115%	131%	117%
Relative 2015	67%	73%	83%	93%	100%	108%	104%	115%	106%	121%	108%

Per-Capita Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
Total excl. LULUCF						low	high	low	high	low	high
Population (Mio)	5,272	6,079	6,471	6,882	7,303	7,711	7,711	8,093	8,093	8,451	8,451
Per-Capita Emissions (tCO ₂ eq/cap)	6.2	5.8	6.2	6.5	6.6	6.8	6.5	6.9	6.4	6.9	6.2
Relative 1990	100%	94%	101%	106%	108%	110%	106%	112%	103%	113%	100%
Relative 2000	107%	100%	108%	113%	115%	117%	112%	119%	110%	120%	107%
Relative 2005	99%	93%	100%	104%	106%	109%	104%	110%	102%	111%	99%
Relative 2010	95%	89%	96%	100%	102%	104%	100%	106%	98%	107%	95%
Relative 2015	93%	87%	94%	98%	100%	102%	98%	104%	96%	105%	93%

Data Sources:

- Cat1_CO2 Def: PRIMAPHIST17
- Cat2367_CO2 Def: PRIMAPHIST17
- Cat4_CO2 Def: PRIMAPHIST17
- Cat5_CO2 Def: PRIMAPHIST17
- Cat1_CH4 Def: PRIMAPHIST17
- Cat2367_CH4 Def: PRIMAPHIST17
- Cat4_CH4 Def: PRIMAPHIST17
- Cat5bisB_CO2 Def: PRIMAPHIST17
- Cat1_N2O Def: PRIMAPHIST17
- Cat2367_N2O Def: PRIMAPHIST17
- Cat4_N2O Def: PRIMAPHIST17
- Cat5_N2O Def: PRIMAPHIST17
- Cat0_HFCs Def: PRIMAPHIST17
- Cat0_PFCs Def: PRIMAPHIST17
- Cat0_SF6 Def: PRIMAPHIST17
- Population Def: UN 2015 Population Projections MEDIUM
- GDP Def: 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
- Cat5A1_CO2 Def: UNFCCC CRF + Nat. Comms.
- Cat5A2_CO2 Def: UNFCCC CRF + Nat. Comms.
- Cat5LtoNonFL_CO2 Def: UNFCCC CRF + Nat. Comms.
- Cat5GMCMWWM_C Def: UNFCCC CRF
- Cat5A1ForestFires Def: UNFCCC Cat5 + EDGAR(IPCC Database)
- Cat5A1HWP_CO2 Def: UNFCCC CRF + Nat. Comms.
- Cat5bisA_CO2 Def: UNFCCC CRF + NATCOMM.
- Cat5bisB_CO2 Def: UNFCCC CRF + NATCOMM.
- Cat5bisC_CO2 Def: UNFCCC CRF + NATCOMM.
- Cat5bisD_CO2 Def: UNFCCC CRF + NATCOMM.
- Cat5bisE_CO2 Def: UNFCCC CRF + NATCOMM.
- PRO_WM_Cat5_G Def: UNFCCC Annex I Reports
- Metric GWP AR4
- climatecollege.unimelb.edu.au
- AUSTRALIAN-GERMAN CLIMATE & ENERGY COLLEGE

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

More info on www.mitigation-contributions.org

	2025 rel. 2010:	2030 rel. 2010:		2025 rel. 2010:	2030 rel. 2010:
LEADER	#N/A	#N/A	LEADER	#N/A	#N/A
CDC	#N/A	#N/A	CDC	#N/A	#N/A
ECPC50	#N/A	#N/A	ECPC50	#N/A	#N/A
ECPC90	#N/A	#N/A	ECPC90	#N/A	#N/A
GDR	#N/A	#N/A	GDR	#N/A	#N/A
INDC HIGH	12%	14%	INDC HIGH	14%	14%
INDC LOW	22%	29%	INDC LOW	29%	29%

"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