

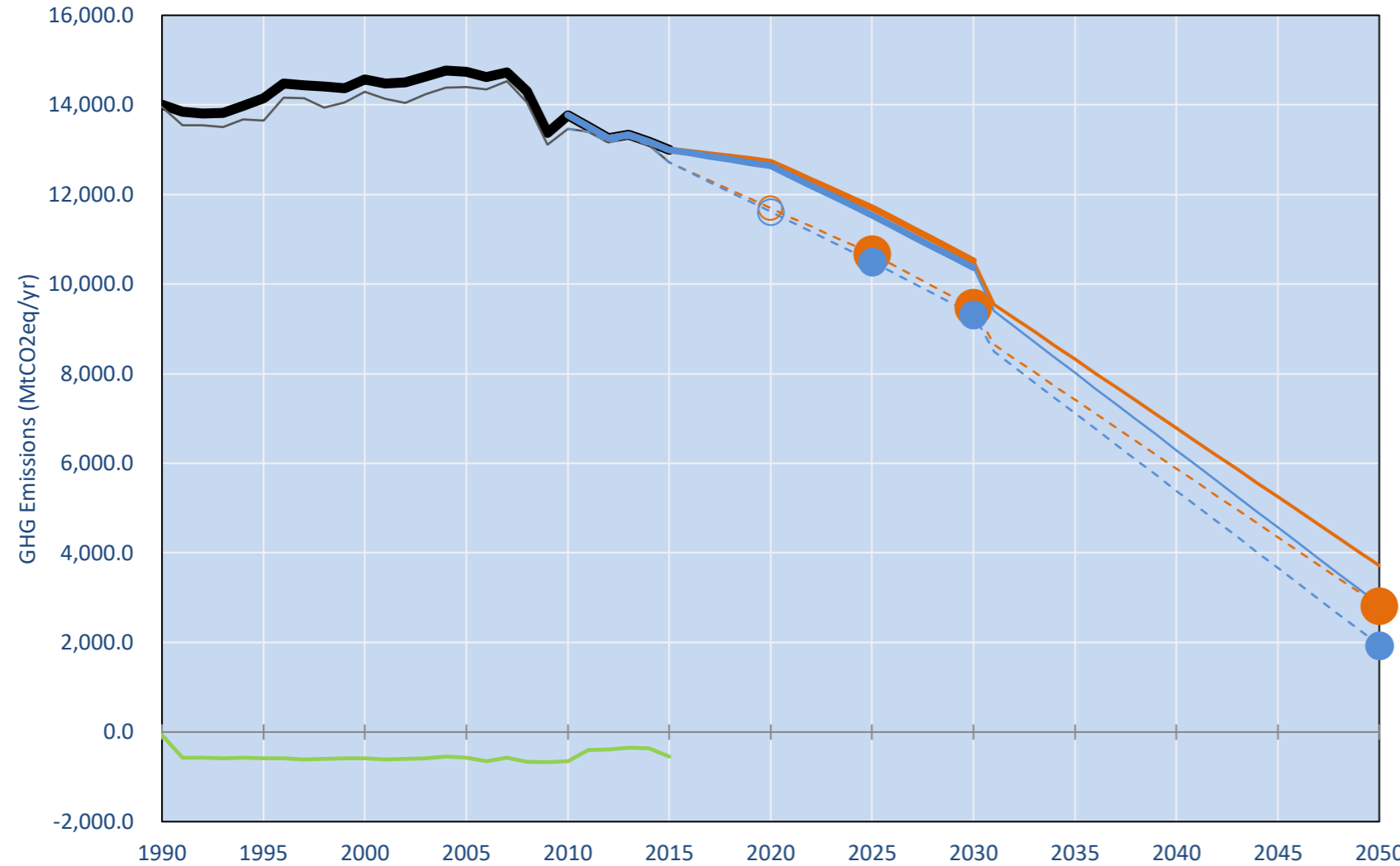
G7

Per-Capita Emissions in 2030 rel. 2015 (excl. LULUCF): **-22%**

	2015	2025	2030
Share of World Emissions excl. LULUCF (Rank):	26.9%	21.7%	18.9%
Per-Capita Emissions (tCO <sub>2</sub> eq/cap)	13.2t	11.5t	10.2t

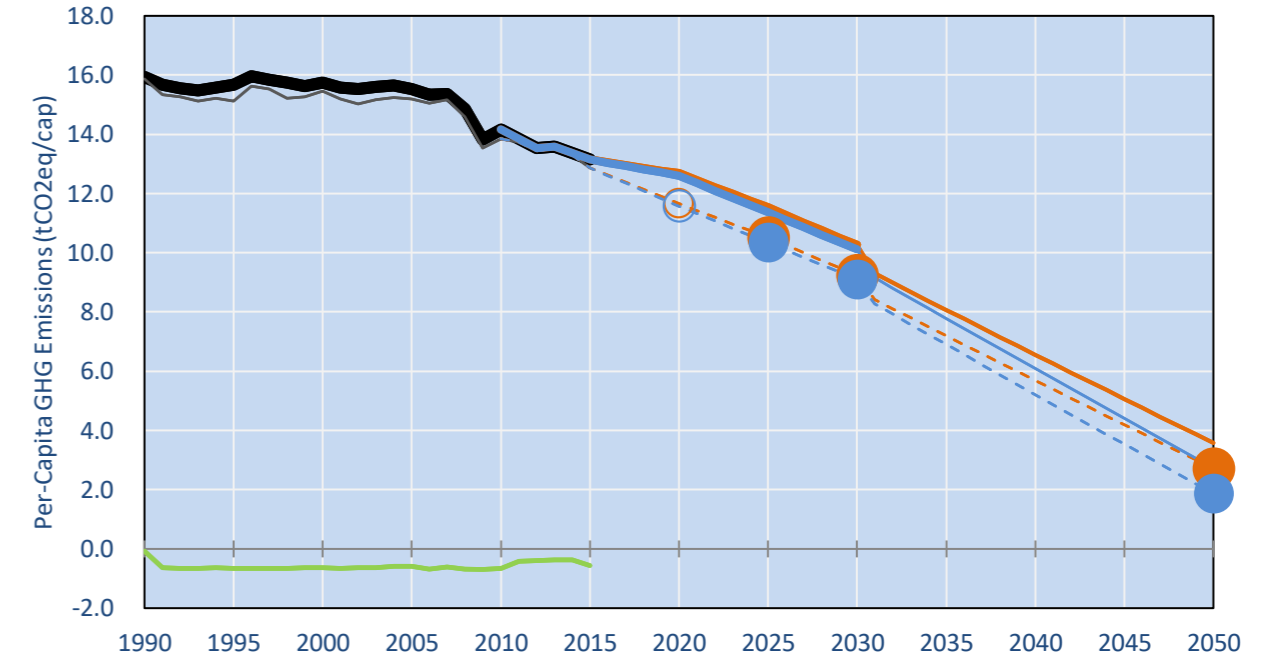
INDC Submitted: 1/09/5356

GHG Emissions

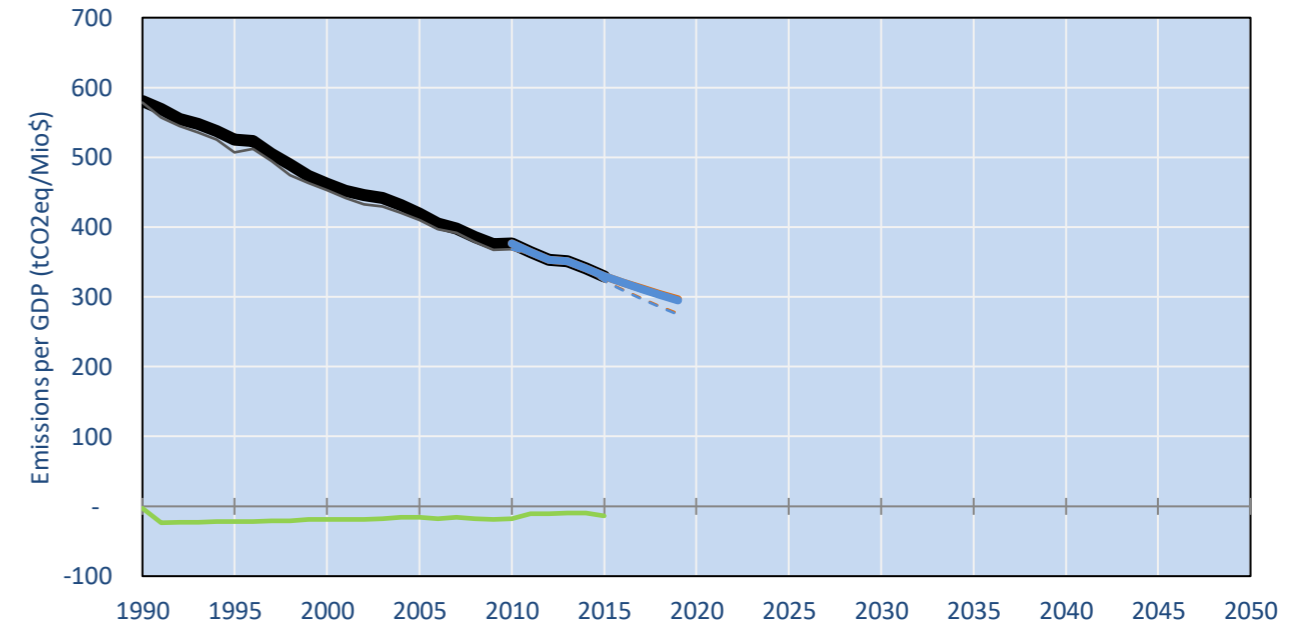


- Reference Total GHG excl. LULUCF
- Historical Covered Emissions, incl. LULUCF, if covered.
- LOW INDC Covered Emissions, incl. LULUCF if covered
- LOW INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH INDC Covered Emissions, incl. LULUCF
- HIGH INDC Covered + Non-Covered Emissions, excl. LULUCF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

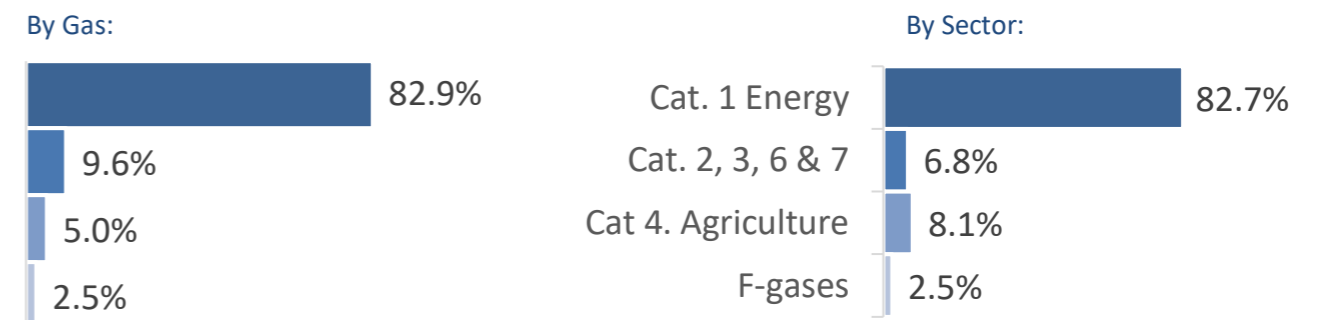
Per-Capita Emissions



GHG Emissions per GDP



2015 Total GHG Emissions excl. LULUCF



GHG Emissions

	1990	2000	2005	2010	2015	2020	2025	2030
(MtCO <sub>2</sub> eq/yr in GWP AR4)						low high	low high	low high
Assumed LULUCF Accounting Credits (-)/Debits (+)						- 84 - 112	- 151 - 151	- 151 - 151
NDC/INDC covered LULUCF Emissions						1,027 - 1,027	1,036 - 1,036	1,044 - 1,044
NDC/INDC covered Emissions excl. LULUCF	14,000	14,572	14,734	13,774	12,997	12,723 12,638	11,708 11,538	10,521 10,365
Total GHG excl. LULUCF	14,000	14,572	14,734	13,774	12,997	12,723 12,638	11,708 11,538	10,521 10,365
Total GHG incl. LULUCF	13,934	13,981	14,167	13,126	12,448	11,427 11,342	10,317 10,148	9,134 8,978

Relative GHG Emissions

	1990	2000	2005	2010	2015	2020	2025	2030
Total excl. LULUCF						low high	low high	low high
Relative 1990	100%	104%	105%	98%	93%	91% 90%	84% 82%	75% 74%
Relative 2000	96%	100%	101%	95%	89%	87% 87%	80% 79%	72% 71%
Relative 2005	95%	99%	100%	93%	88%	86% 86%	79% 78%	71% 70%
Relative 2010	102%	106%	107%	100%	94%	92% 92%	85% 84%	76% 75%
Relative 2015	108%	112%	113%	106%	100%	98% 97%	90% 89%	81% 80%

Per-Capita Emissions

	1990	2000	2005	2010	2015	2020	2025	2030
Total excl. LULUCF						low high	low high	low high
Population (Mio)	879	925	949	972	988	1,003 1,003	1,015 1,015	1,024 1,024
Per-Capita Emissions (tCO <sub>2</sub> eq/cap)	15.9	15.8	15.5	14.2	13.2	12.7 12.6	11.5 11.4	10.3 10.1
Relative 1990	100%	99%	97%	89%	83%	80% 79%	72% 71%	64% 64%
Relative 2000	101%	100%	99%	90%	83%	81% 80%	73% 72%	65% 64%
Relative 2005	103%	101%	100%	91%	85%	82% 81%	74% 73%	66% 65%
Relative 2010	112%	111%	110%	100%	93%	90% 89%	81% 80%	73% 71%
Relative 2015	121%	120%	118%	108%	100%	96% 96%	88% 86%	78% 77%

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
- Cat5\_CH4 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):

2025 rel. 2010:	2030 rel. 2010:
LEADER	#N/A
CDC	#N/A
ECPC50	#N/A
ECPC90	#N/A
GDR	#N/A
INDC HIGH	<b>-23%</b>
INDC LOW	<b>-21%</b>

More info on www.mitigation-contributions.org

"Fair" contributions for a global 'least-cost' 2°C track:
LEADER
CDC
ECPC50
ECPC90
GDR
#N/A