

Intl. Aviation

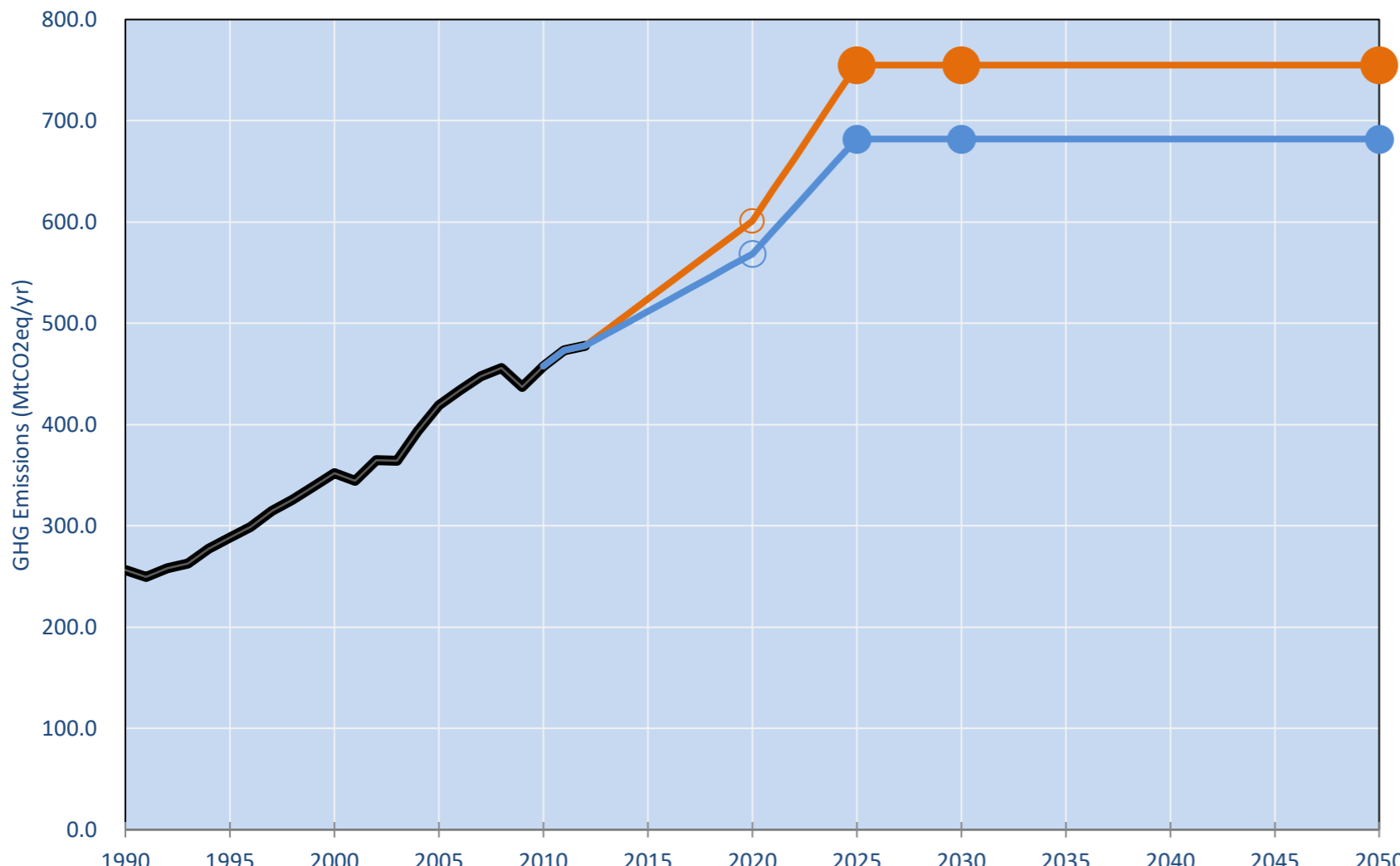
Per-Capita Emissions in 2030 rel. 2015 (excl. LULUCF): **+18%**

	2015 World Rank	2025 World Rank	2030 World Rank
Share of World Emissions excl. LULUCF (Rank):	1.1% #18	1.4% #13	1.3% #13
Per-Capita Emissions (tCO2eq/cap)	1.4t #166	1.8t #160	1.7t #162

NDC/INDC: Carbon Neutral Growth Target by ICAO from 2020 onwards with range of emissions between 682 and 755 Mt CO₂. (GWP unspecified)

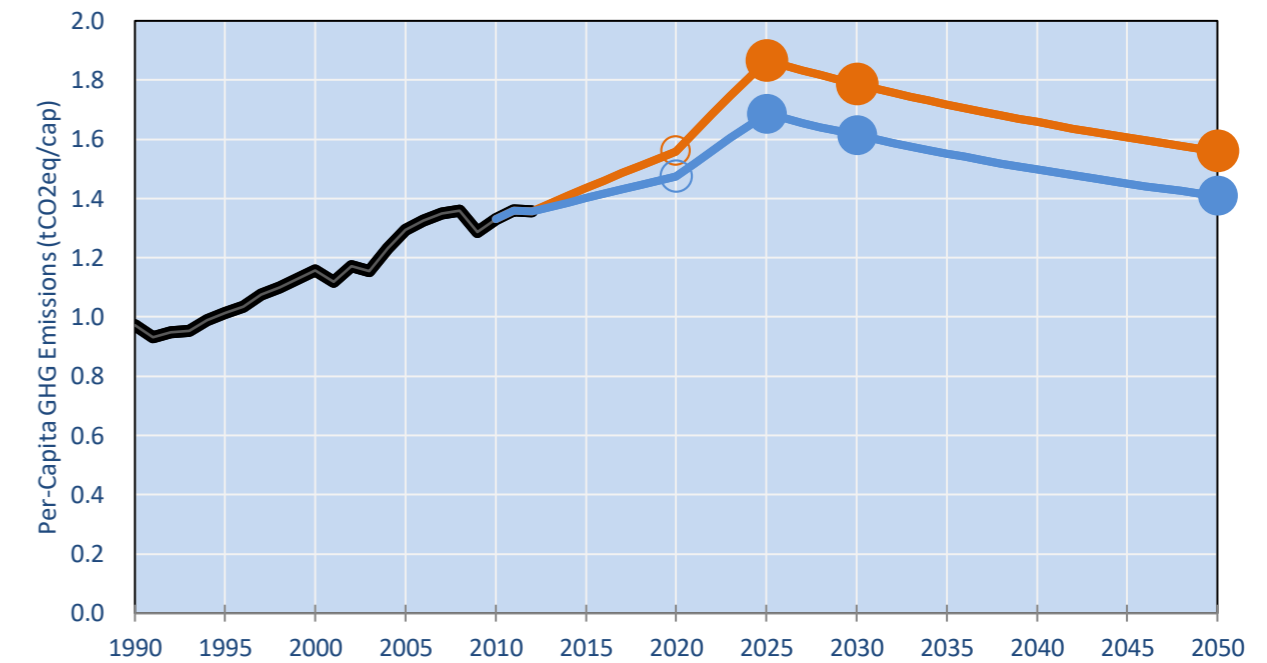
INDC Submitted: 18/07/2013

GHG Emissions

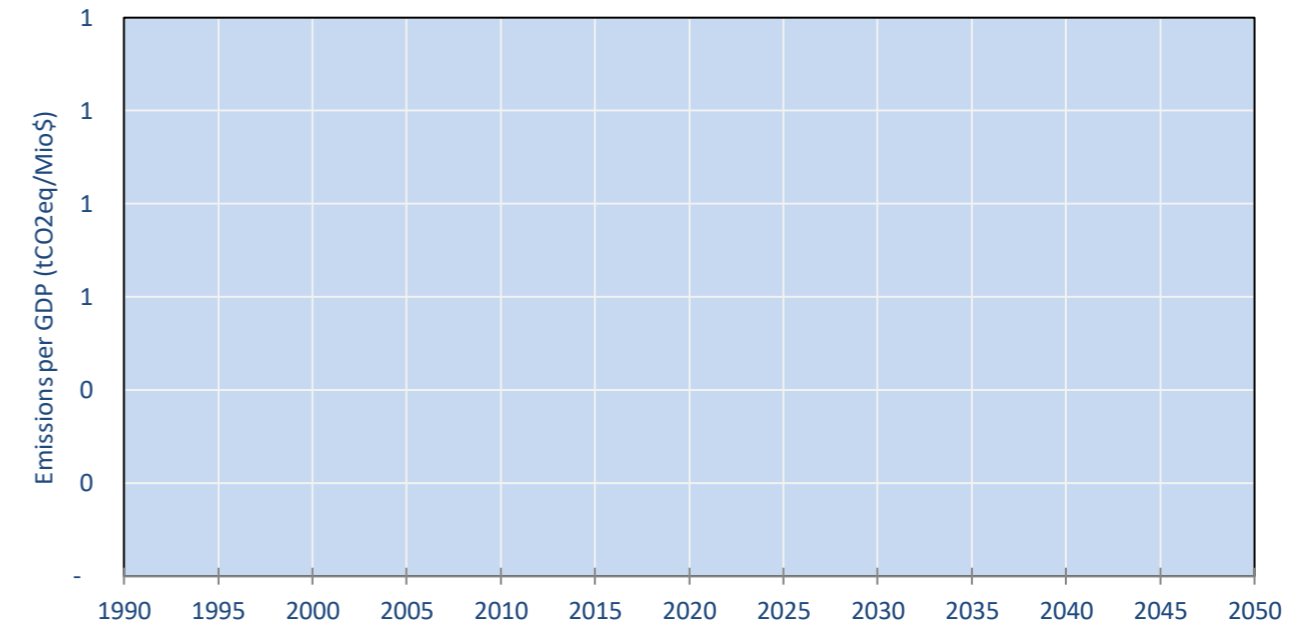


- Reference Total GHG excl. LULUCF
- Historical Covered Emissions, incl. LULUCF, if covered.
- LOW INDC Covered Emissions, incl. LULUCF if covered
- LOW INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH INDC Covered Emissions, incl. LULUCF
- HIGH INDC Covered + Non-Covered Emissions, excl. LULUCF
- 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)

Extra emis for top 5% global pop.



GHG Emissions per GDP



2015 Total GHG Emissions excl. LULUCF

By Gas:	By Sector:
CO ₂ : 0.0%	Cat. 1 Energy: 0.0%
CH ₄ : 0.0%	Cat. 2, 3, 6 & 7: 0.0%
N ₂ O: 0.0%	Cat. 4. Agriculture: 0.0%
F-gases: 0.0%	F-gases: 0.0%

GHG Emissions

	1990	2000	2005	2010	2015	2020	2025	2030	
(MtCO ₂ eq/yr in GWP SAR)						low	high	low	high
Assumed LULUCF Accounting Credits (-)/Debits (+)	-	-	-	-	-	-	-	-	-
NDC/INDC covered LULUCF Emissions	-	-	-	-	-	-	-	-	-
NDC/INDC covered Emissions excl. LULUCF	256	352	419	458	524	601	569	755	682
Total GHG excl. LULUCF	256	352	419	458	524	601	569	755	682
Total GHG incl. LULUCF	256	352	419	458	524	601	569	755	682

Relative GHG Emissions

	1990	2000	2005	2010	2015	2020	2025	2030	
Total excl. LULUCF						low	high	low	high
Relative 1990	100%	137%	163%	179%	204%	234%	222%	295%	266%
Relative 2000	73%	100%	119%	130%	149%	171%	162%	215%	194%
Relative 2005	61%	84%	100%	109%	125%	143%	136%	180%	163%
Relative 2010	56%	77%	92%	100%	114%	131%	124%	165%	149%
Relative 2015	49%	67%	80%	87%	100%	115%	109%	144%	130%

Per-Capita Emissions

	1990	2000	2005	2010	2015	2020	2025	2030	
Total excl. LULUCF						low	high	low	high
Population (Mio)	264	304	324	344	365	386	386	405	405
Per-Capita Emissions (tCO ₂ eq/cap)	1.0	1.2	1.3	1.3	1.4	1.6	1.5	1.9	1.7
Relative 1990	100%	119%	133%	137%	148%	160%	152%	192%	173%
Relative 2000	84%	100%	112%	115%	124%	135%	127%	161%	146%
Relative 2005	75%	89%	100%	103%	111%	120%	114%	144%	130%
Relative 2010	73%	87%	97%	100%	108%	117%	111%	140%	127%
Relative 2015	68%	81%	90%	93%	100%	109%	103%	130%	117%

Data Sources:

Cat1_CO2	COUNTRY-SPECIFIC USER DATA	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	Cat5GMCMWMM_C	UNFCCC CRF
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 SAR
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		



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	LEADER	#N/A
CDC	#N/A	CDC	#N/A
ECPC50	#N/A	ECPC50	#N/A
ECPC90	#N/A	ECPC90	#N/A
GDR	#N/A	GDR	#N/A
INDC HIGH	0%	INDC HIGH	0%
INDC LOW	0%	INDC LOW	0%

"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