

Intl. Aviation

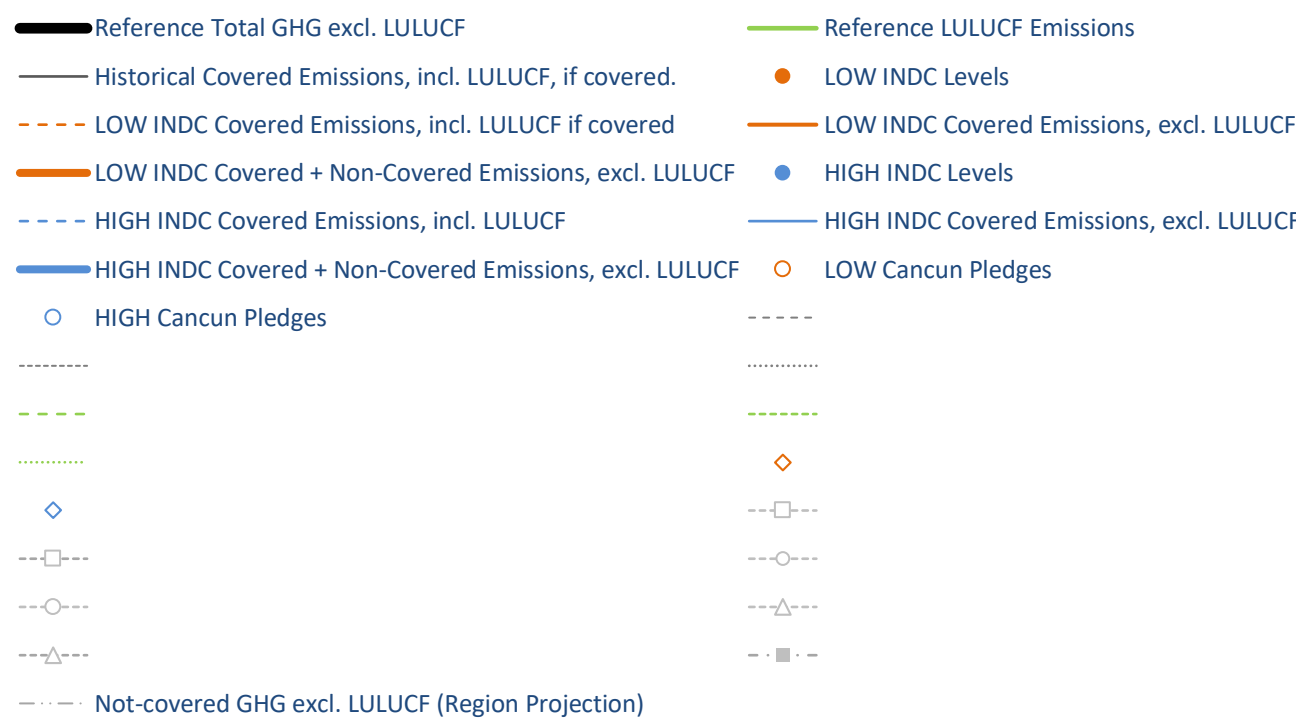
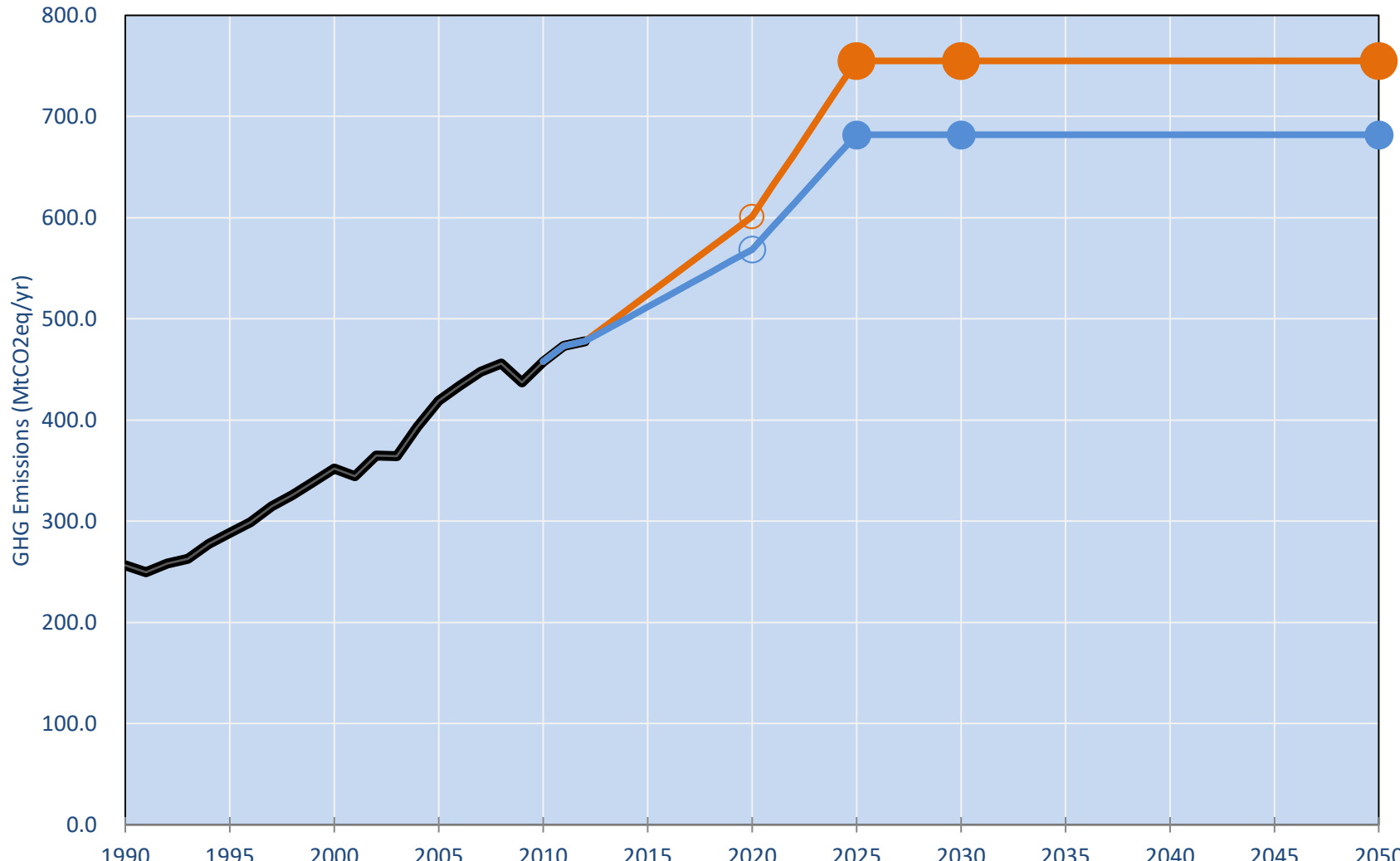
Per-Capita Emissions in 2030 rel. 2015 (excl. LULUCF): **+18%**

	2015 World Rank	2025 World Rank	2030 World Rank
Share of World Emissions excl. LULUCF (Rank):	1.1% #18	1.3% #14	1.3% #13
Per-Capita Emissions (tCO2eq/cap)	1.4t #171	1.8t #162	1.7t #164

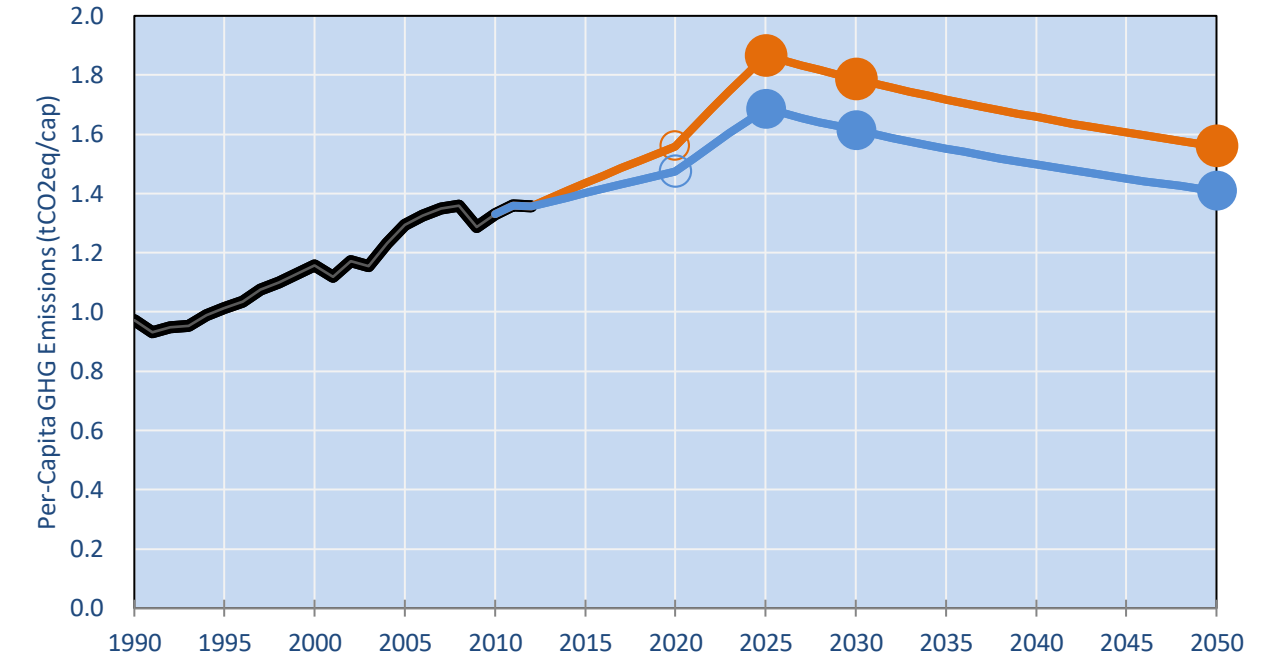
NDC/INDC: Carbon Neutral Growth Target by ICAO from 2020 onwards with range of emissions between 682 and 755 Mt CO2. (GWP unspecified)

INDC Submitted: 18/07/2013

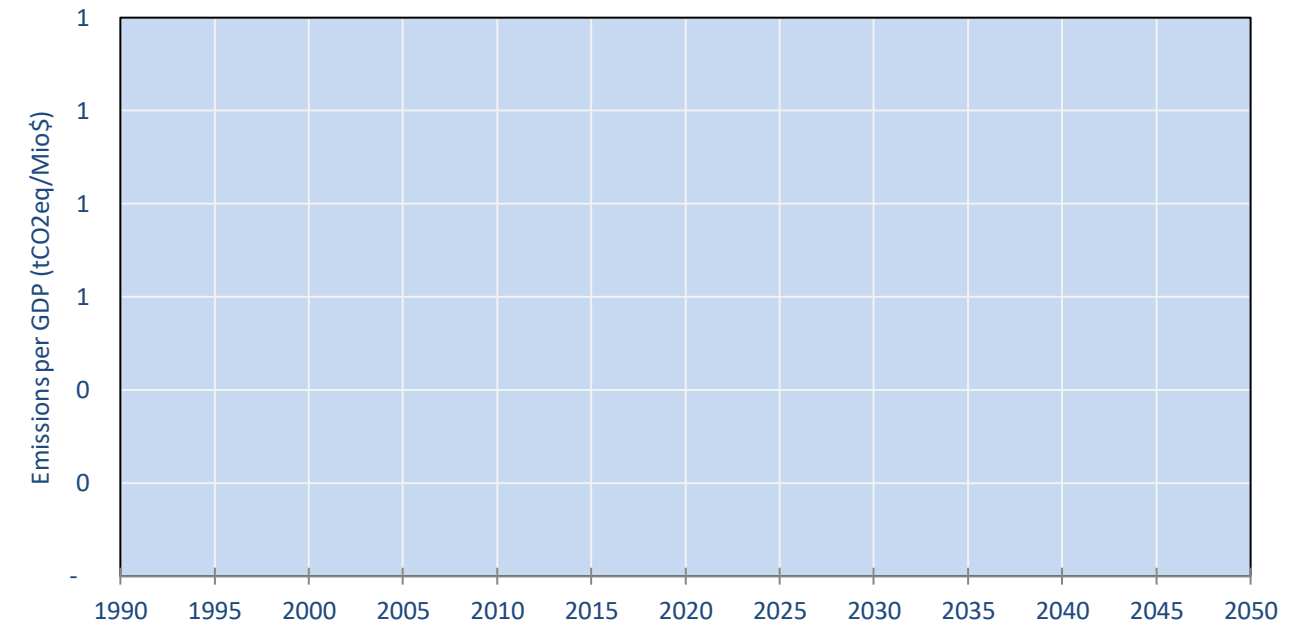
GHG Emissions



Extra emis for top 5% global pop.



GHG Emissions per GDP



2015 Total GHG Emissions excl. LULUCF

By Gas:	Value	By Sector:	Value
CO2	0.0%	Cat. 1 Energy	0.0%
CH4	0.0%	Cat. 2, 3, 6 & 7	0.0%
N2O	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	
(MtCO2eq/yr in GWP AR5)						low	high	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	755	682
Total GHG excl. LULUCF	256	352	419	458	524	601	569	755	682	755	682
Total GHG incl. LULUCF	256	352	419	458	524	601	569	755	682	755	682

Relative GHG Emissions

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

Per-Capita Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
Total excl. LULUCF						low	high	low	high	low	high
Population (Mio)	264	304	324	344	365	386	386	405	405	423	423
Per-Capita Emissions (tCO2eq/cap)	1.0	1.2	1.3	1.3	1.4	1.6	1.5	1.9	1.7	1.8	1.6
Relative 1990	100%	119%	133%	137%	148%	160%	152%	192%	173%	184%	166%
Relative 2000	84%	100%	112%	115%	124%	135%	127%	161%	146%	154%	139%
Relative 2005	75%	89%	100%	103%	111%	120%	114%	144%	130%	138%	125%
Relative 2010	73%	87%	97%	100%	108%	117%	111%	140%	127%	134%	121%
Relative 2015	68%	81%	90%	93%	100%	109%	103%	130%	117%	125%	112%

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	Cat5GCMCMWM_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 AR5
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 by:	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	

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