

Panama

Per-Capita Emissions in 2030 rel. 2015 (excl. LULUCF): **+9%**

NDC 2025

NDC 2030

2015 World Rank

2025 World Rank

2030 World Rank

Share of World Emissions excl. LULUCF (Rank):

0.0% #126

0.0% #124

0.0% #125

Per-Capita Emissions (tCO2eq/cap)

3.9t #106

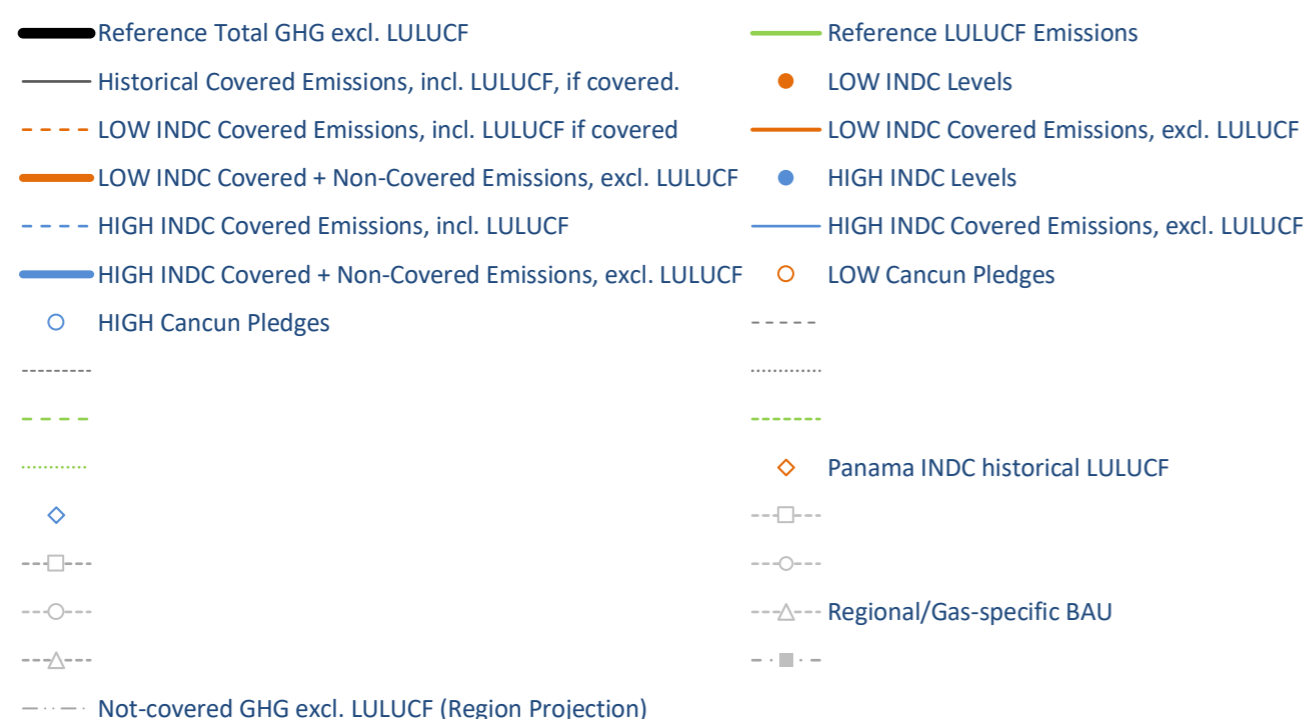
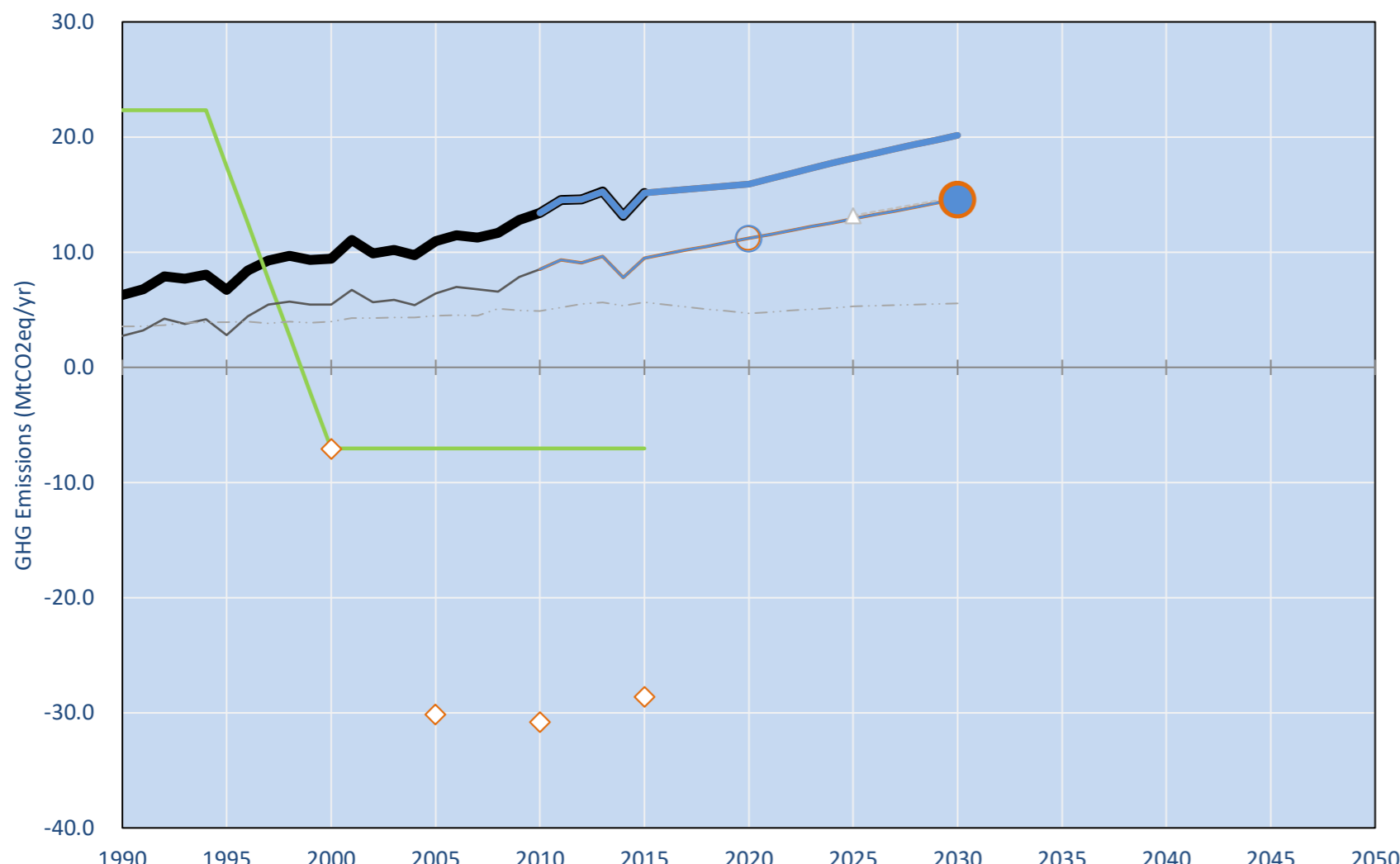
4t #106

4.2t #106

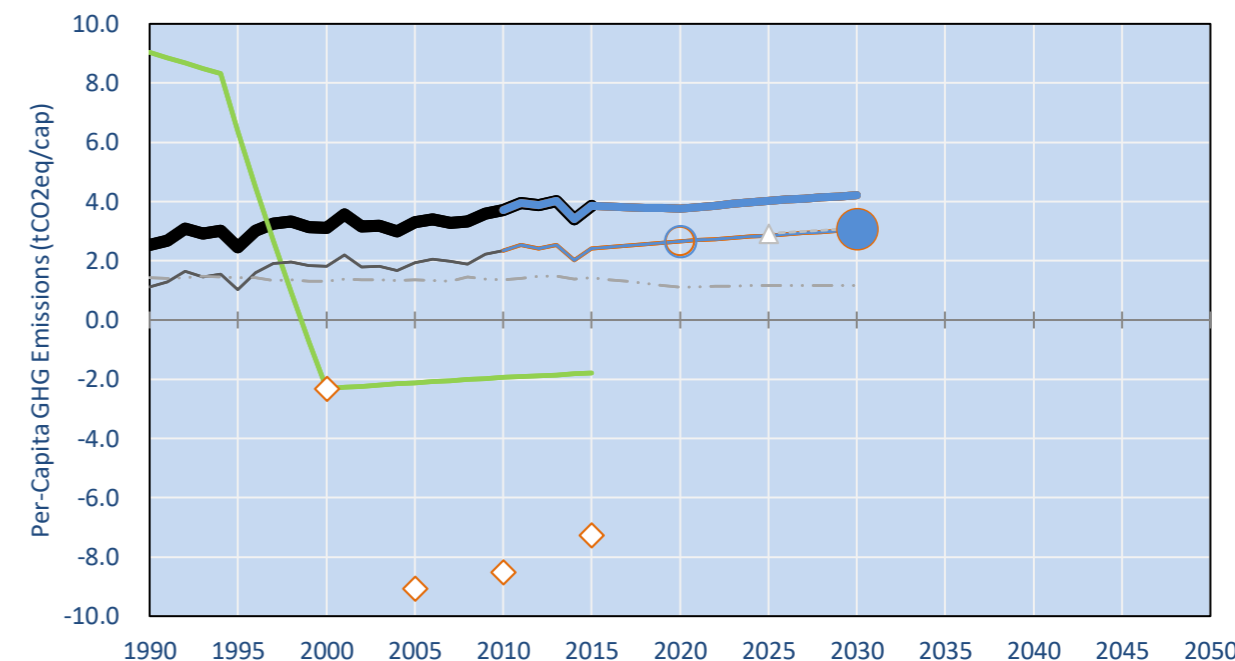
NDC: 15/30% share of non-conventional renewables in energy sector by 2030/50. 10% unc. and 80% cond. increase in LULUCF sink by 2050.. (GWP unclear)

INDC Submitted: 19/04/2016

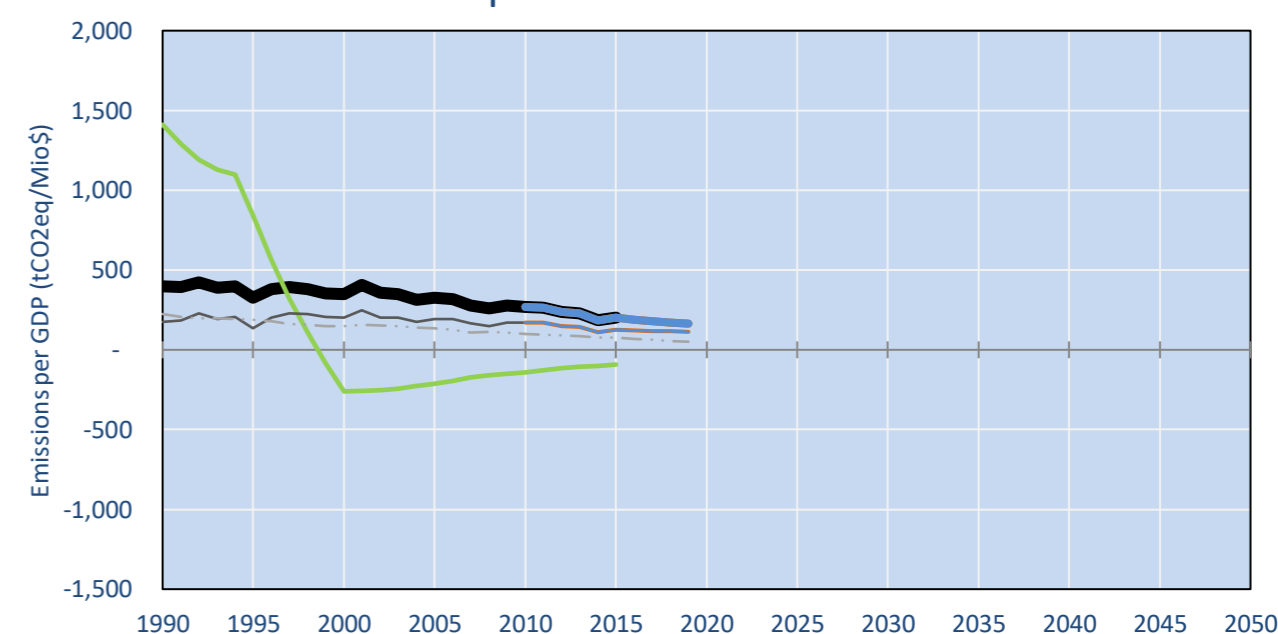
GHG Emissions



Per-Capita Emissions

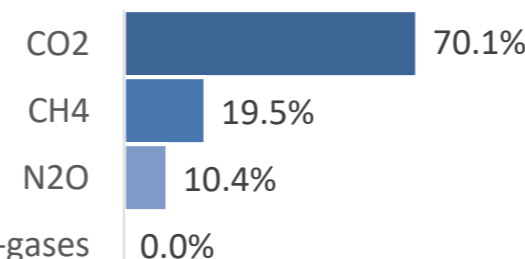


GHG Emissions per GDP

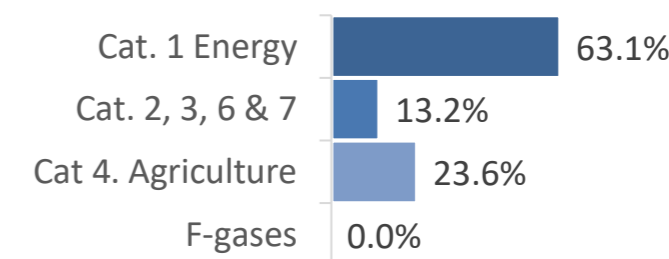


2015 Total GHG Emissions excl. LULUCF

By Gas:



By Sector:



GHG Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
(MtCO2eq/yr in GWP SAR)						low	high	low	high	low	high
Assumed LULUCF Accounting Credits (-)/Debits (+)	-	-	-	-	-	-	-	-	-	-	-
NDC covered LULUCF Emissions	-	-	-	-	-	-	-	-	-	-	-
NDC covered Emissions excl. LULUCF	3	5	6	9	10	11	11	13	13	15	15
Total GHG excl. LULUCF	6	9	11	13	15	16	16	18	18	20	20
Total GHG incl. LULUCF	29	2	4	6	8	9	9	11	11	13	13

Relative GHG Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
Total excl. LULUCF						low	high	low	high	low	high
Relative 1990	100%	150%	174%	213%	241%	253%	253%	289%	289%	320%	320%
Relative 2000	67%	100%	116%	142%	160%	168%	168%	193%	193%	213%	213%
Relative 2005	57%	86%	100%	123%	138%	145%	145%	166%	166%	184%	184%
Relative 2010	47%	70%	82%	100%	113%	119%	119%	136%	136%	150%	150%
Relative 2015	42%	62%	72%	89%	100%	105%	105%	120%	120%	133%	133%

Per-Capita Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
Total excl. LULUCF						low	high	low	high	low	high
Population (Mio)	2	3	3	4	4	4	4	5	5	5	5
Per-Capita Emissions (tCO2eq/cap)	2.5	3.1	3.3	3.7	3.9	3.8	3.8	4.0	4.0	4.2	4.2
Relative 1990	100%	122%	129%	146%	151%	148%	148%	158%	158%	166%	166%
Relative 2000	82%	100%	106%	119%	124%	120%	120%	129%	129%	135%	135%
Relative 2005	77%	95%	100%	112%	117%	114%	114%	122%	122%	128%	128%
Relative 2010	69%	84%	89%	100%	104%	101%	101%	109%	109%	114%	114%
Relative 2015	66%	81%	85%	96%	100%	97%	97%	104%	104%	109%	109%

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	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		

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

	2025 rel. 2010:	2030 rel. 2010:
LEADER	#N/A	LEADER #N/A
CDC	39%	CDC 34%
ECPC50	10%	ECPC50 6%
ECPC90	42%	ECPC90 44%
GDR	1%	GDR -18%
INDC HIGH	75%	INDC HIGH 106%
INDC LOW	75%	INDC LOW 106%



Shown fair contributions only indicative

"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