

Monaco

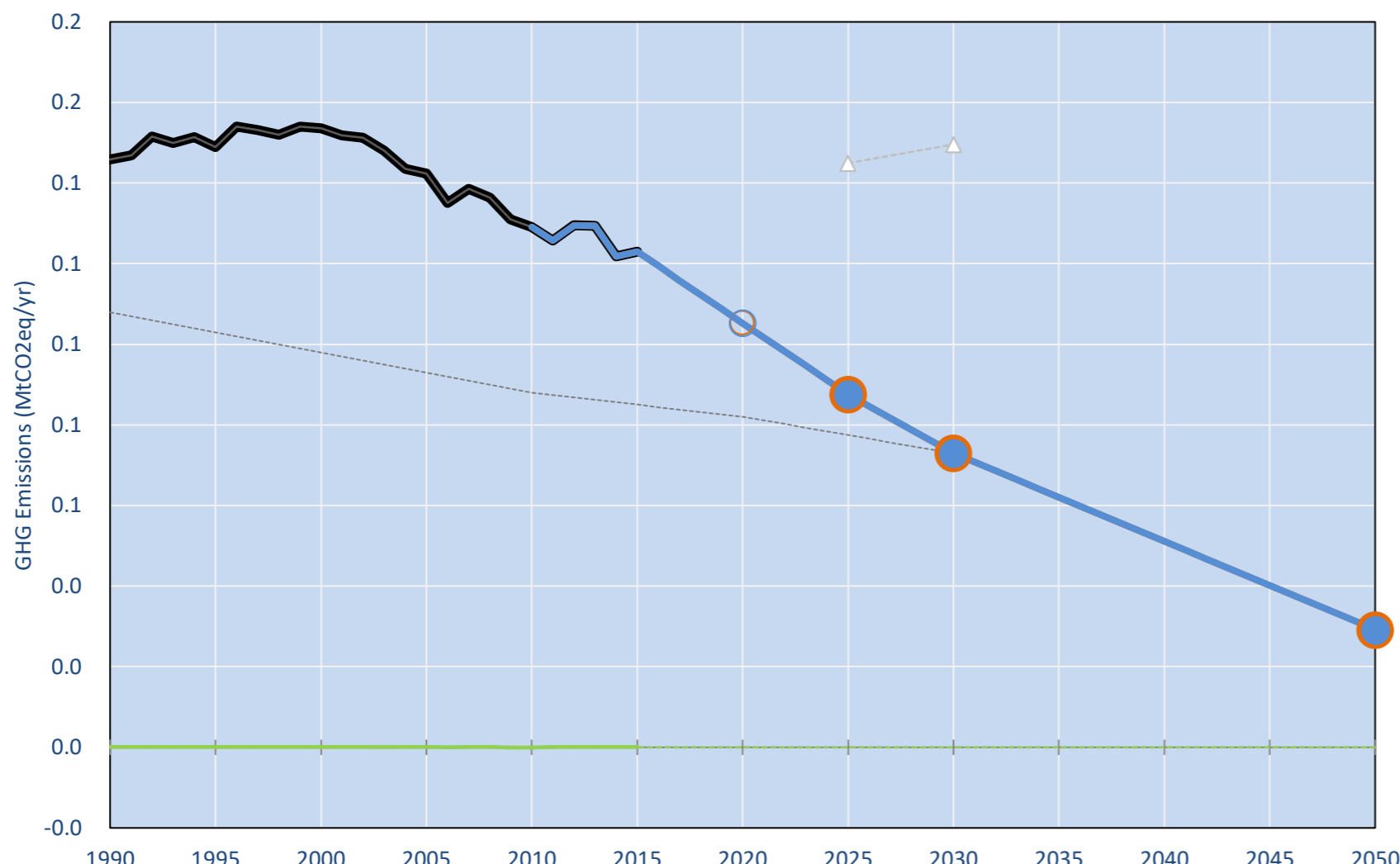
Per-Capita Emissions in 2030 rel. 2015 (excl. LULUCF): **-44%**

NDC 2025	NDC 2030	2015 World Rank	2025 World Rank	2030 World Rank
-40% rel.1990	-50% rel.1990	0.0% #194	0.0% #193	0.0% #194
Share of World Emissions excl. LULUCF (Rank):		0.0% #194	0.0% #193	0.0% #194
Per-Capita Emissions (tCO2eq/cap)		3.3t #116	2.2t #140	1.8t #156

NDC: GHG emission reduction by 50% by 2030 below 1990 levels. (GWP AR4)

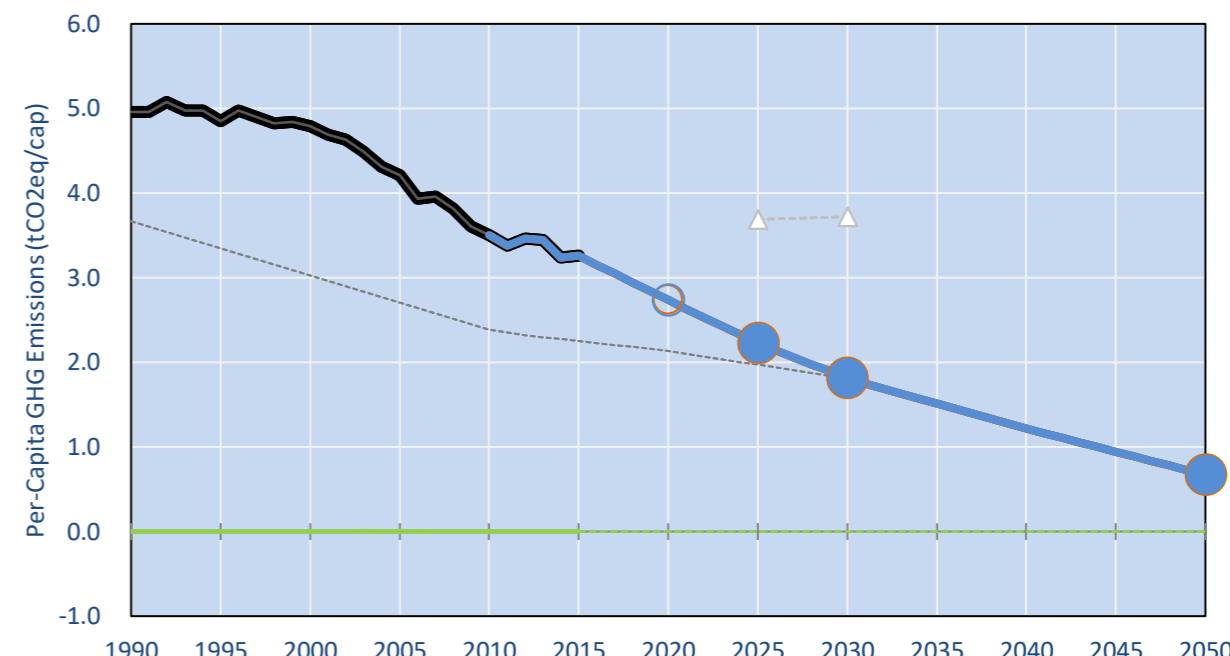
INDC Submitted: 4/08/2015

GHG Emissions

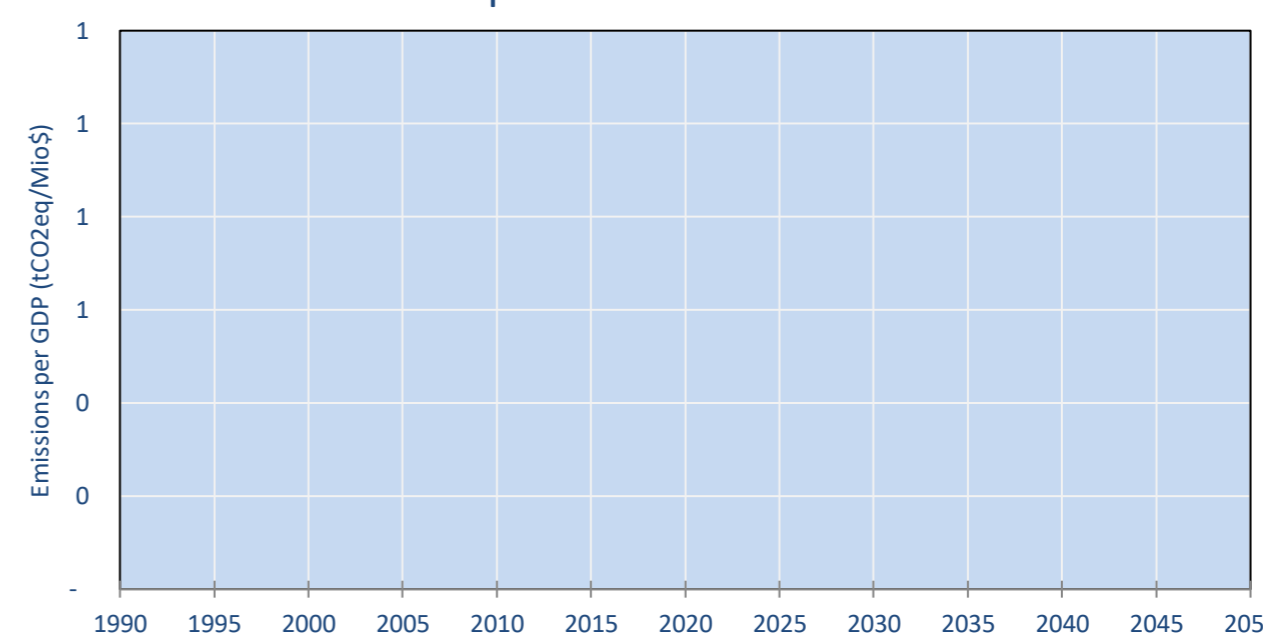


- Reference Total GHG excl. LULUCF
- Historical Covered Emissions, incl. LULUCF, if covered.
- LOW INDC Covered Emissions, incl. LULUCF if covered
- LOW INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH INDC Covered Emissions, incl. LULUCF
- HIGH INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH Cancun Pledges
- WM Total excl. LULUCF Projections
- WM LULUCF Projections
- Regional/Gas-specific BAU
- Not-covered GHG excl. LULUCF (Region Projection)
- Reference LULUCF Emissions
- LOW INDC Levels
- LOW INDC Covered Emissions, excl. LULUCF
- HIGH INDC Levels
- HIGH INDC Covered Emissions, excl. LULUCF
- LOW Cancun Pledges

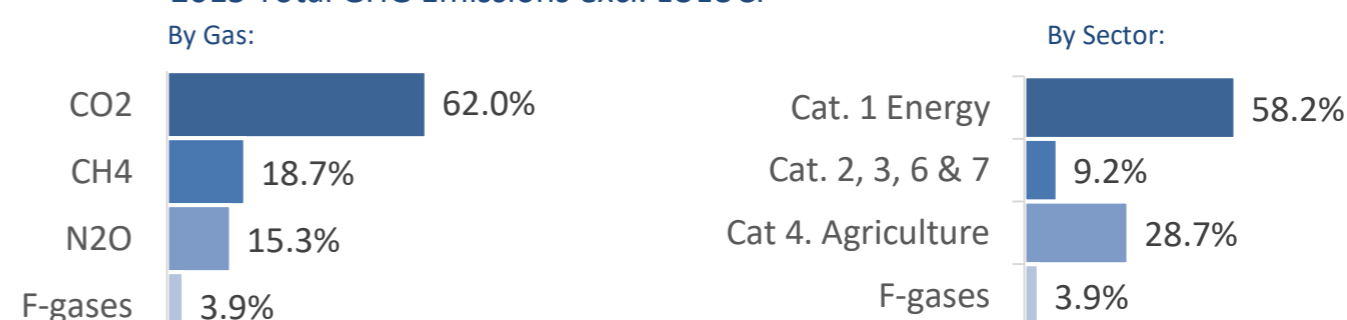
Per-Capita Emissions



GHG Emissions per GDP



2015 Total GHG Emissions excl. LULUCF



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 (+)						0 - 0		
NDC covered LULUCF Emissions								
Total GHG excl. LULUCF	0	0	0	0	0	0 0	0 0	0 0
Total GHG incl. LULUCF	0	0	0	0	0	0 0	0 0	0 0

Relative GHG Emissions

	1990	2000	2005	2010	2015	2020	2025	2030
Total excl. LULUCF						low high	low high	low high
Relative 1990	100%	105%	98%	88%	84%	72% 72%	60% 60%	50% 50%
Relative 2000	95%	100%	93%	84%	80%	69% 69%	57% 57%	47% 47%
Relative 2005	102%	108%	100%	91%	86%	74% 74%	61% 61%	51% 51%
Relative 2010	113%	119%	110%	100%	95%	82% 82%	68% 68%	57% 57%
Relative 2015	119%	125%	116%	105%	100%	86% 86%	71% 71%	59% 59%

Per-Capita Emissions

	1990	2000	2005	2010	2015	2020	2025	2030
Total excl. LULUCF						low high	low high	low high
Population (Mio)	0	0	0	0	0	0 0	0 0	0 0
Per-Capita Emissions (tCO2eq/cap)	5.0	4.8	4.2	3.5	3.3	2.7 2.7	2.2 2.2	1.8 1.8
Relative 1990	100%	97%	85%	71%	66%	55% 55%	45% 45%	37% 37%
Relative 2000	104%	100%	88%	73%	68%	57% 57%	47% 47%	38% 38%
Relative 2005	118%	114%	100%	83%	77%	65% 65%	53% 53%	43% 43%
Relative 2010	141%	137%	120%	100%	93%	78% 78%	64% 64%	52% 52%
Relative 2015	152%	147%	129%	107%	100%	84% 84%	68% 68%	56% 56%

Data Sources:

Cat1_CO2 PRIMAPHIST17
Cat2367_CO2 PRIMAPHIST17
Cat4_CO2 PRIMAPHIST17
Cat5_CO2 PRIMAPHIST17
Cat1_CH4 PRIMAPHIST17
Cat2367_CH4 PRIMAPHIST17
Cat4_CH4 PRIMAPHIST17
Cat5_CH4 PRIMAPHIST17
Cat1_N2O PRIMAPHIST17
Cat2367_N2O PRIMAPHIST17
Cat4_N2O PRIMAPHIST17
Cat5_N2O PRIMAPHIST17
Cat0_HFCs PRIMAPHIST17
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
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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:	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	-32%	INDC HIGH	-44%
INDC LOW	-32%	INDC LOW	-44%

More info on www.mitigation-contributions.org

"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