

# NDC/INDC Factsheet

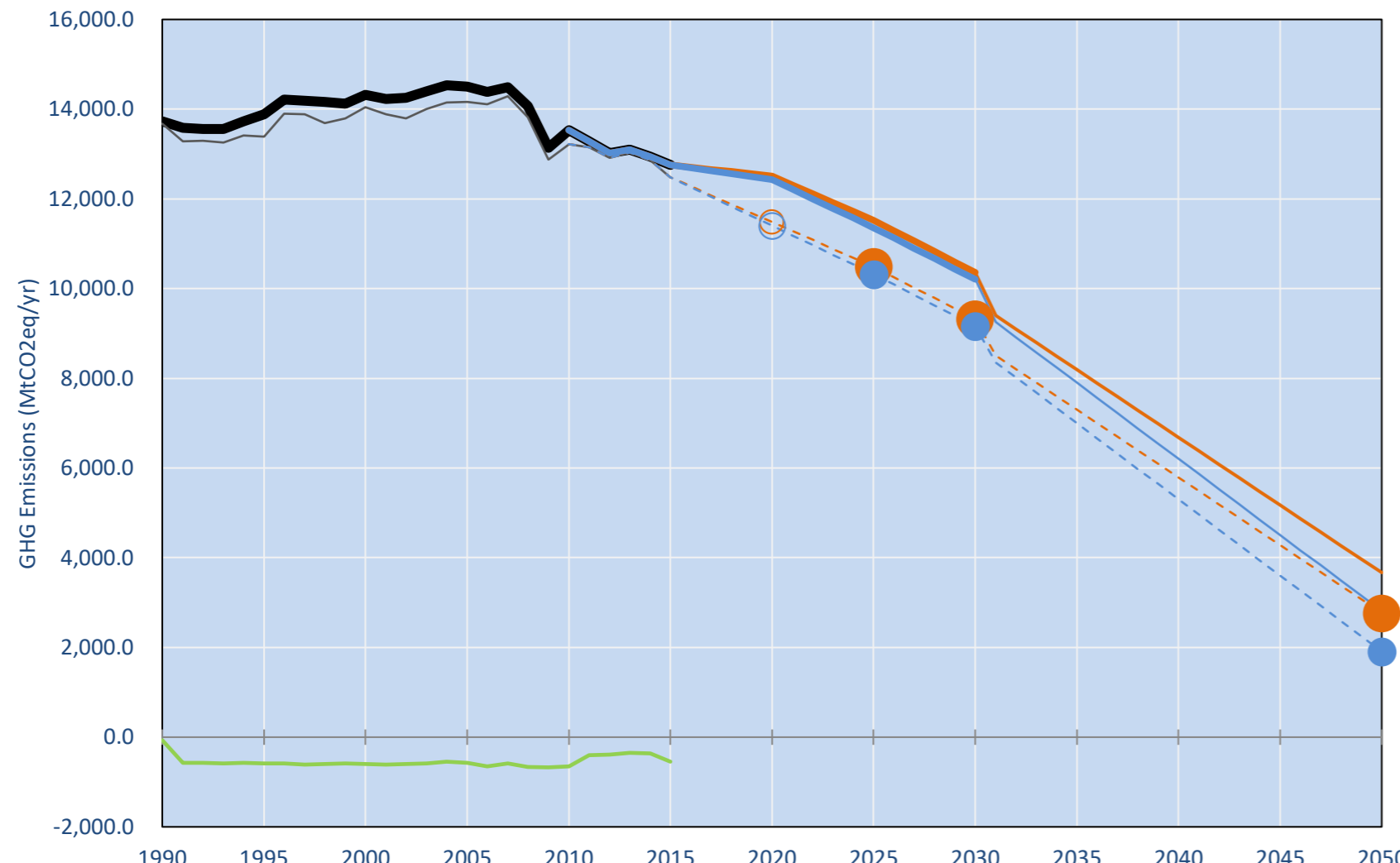
G7

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

	2015	2025	2030
Share of World Emissions excl. LULUCF (Rank):	27.2%	21.9%	19.0%
Per-Capita Emissions (tCO2eq/cap)	12.9t	11.3t	10t

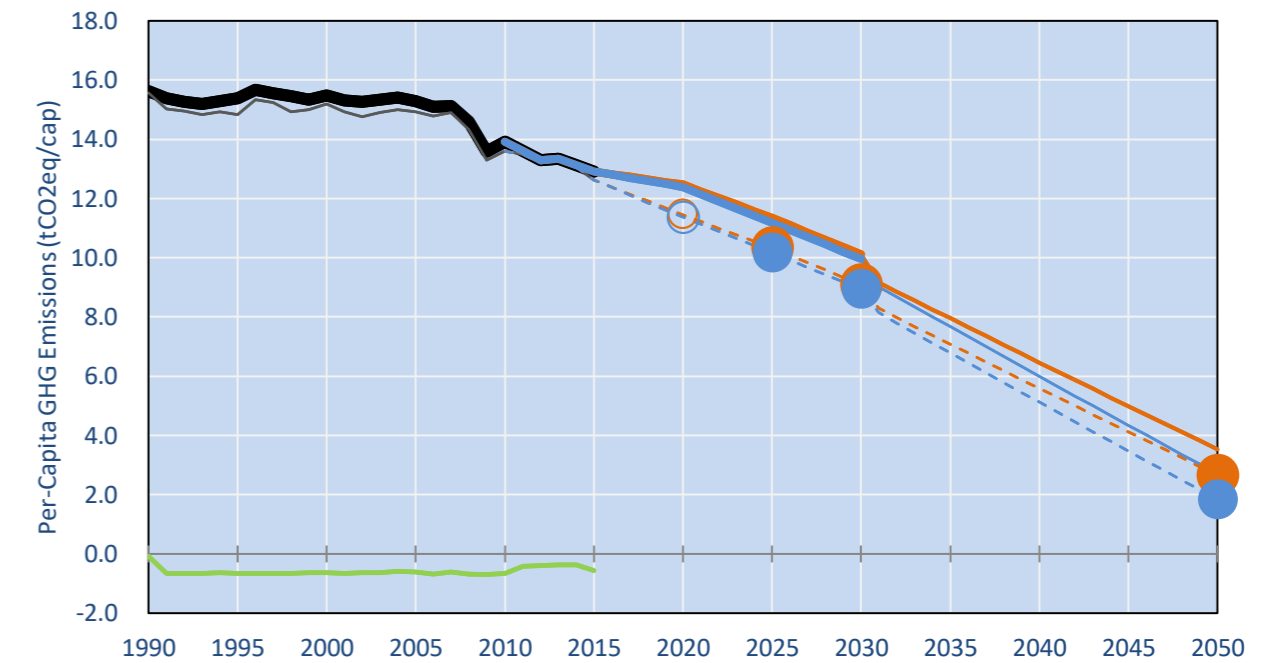
INDC Submitted: 1/09/5356

## GHG Emissions

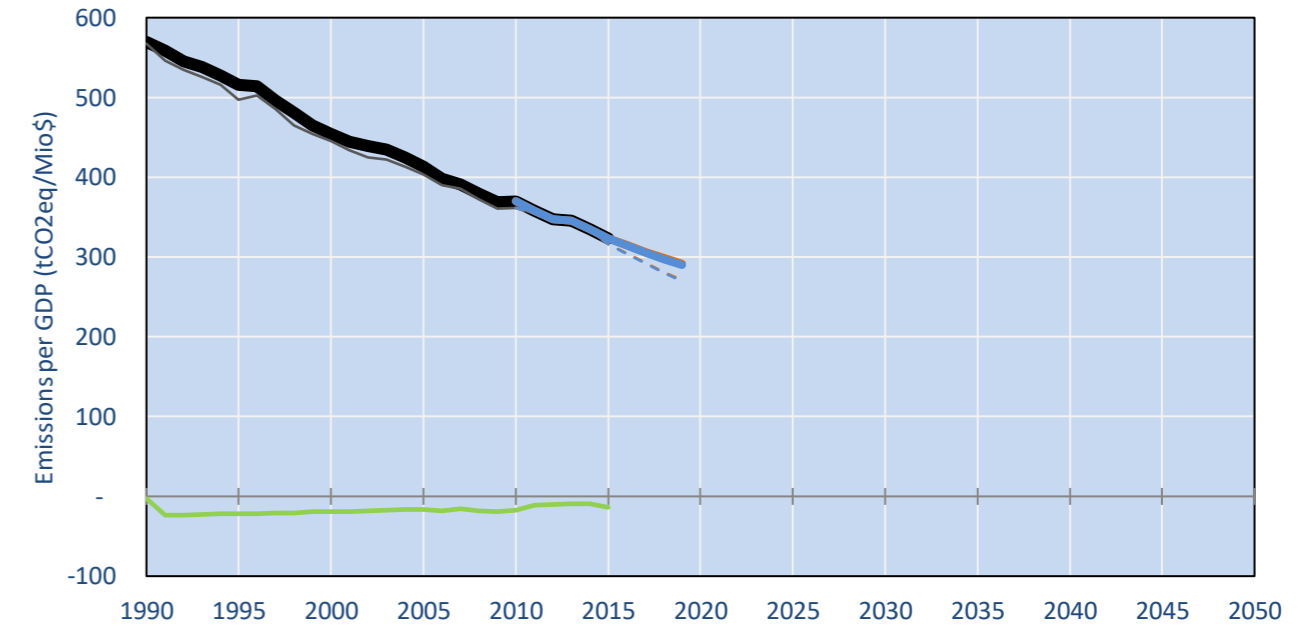


- Reference Total GHG excl. LULUCF
- Historical Covered Emissions, incl. LULUCF, if covered.
- LOW INDC Covered Emissions, incl. LULUCF if covered
- LOW INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH INDC Covered Emissions, incl. LULUCF
- HIGH INDC Covered + Non-Covered Emissions, excl. LULUCF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

By Gas:	By Sector:
CO2: 84.5%	Cat. 1 Energy: 83.7%
CH4: 8.2%	Cat. 2, 3, 6 & 7: 6.6%
N2O: 5.3%	Cat 4. Agriculture: 7.7%
F-gases: 2.0%	F-gases: 2.0%

## 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 (+)						- 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	13,735	14,320	14,499	13,533	12,757	12,511 12,428	11,526 11,359	10,361 10,208
Total GHG excl. LULUCF	13,735	14,320	14,499	13,533	12,757	12,511 12,428	11,526 11,359	10,361 10,208
Total GHG incl. LULUCF	13,667	13,726	13,930	12,884	12,207	11,216 11,132	10,135 9,968	8,974 8,820

## Relative GHG Emissions

	1990	2000	2005	2010	2015	2020	2025	2030
Total excl. LULUCF						low high	low high	low high
Relative 1990	100%	104%	106%	99%	93%	91% 90%	84% 83%	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	101%	106%	107%	100%	94%	92% 92%	85% 84%	77% 75%
Relative 2015	108%	112%	114%	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 (tCO2eq/cap)	15.6	15.5	15.3	13.9	12.9	12.5 12.4	11.4 11.2	10.1 10.0
Relative 1990	100%	99%	98%	89%	83%	80% 79%	73% 72%	65% 64%
Relative 2000	101%	100%	99%	90%	83%	81% 80%	73% 72%	65% 64%
Relative 2005	102%	101%	100%	91%	84%	82% 81%	74% 73%	66% 65%
Relative 2010	112%	111%	110%	100%	93%	90% 89%	82% 80%	73% 72%
Relative 2015	121%	120%	118%	108%	100%	97% 96%	88% 87%	78% 77%

## Data Sources:

Cat1_CO2	Def: PRIMAPHIST17	Cat5A1_CO2	Def: UNFCCC CRF + Nat. Comms.
Cat2367_CO2	Def: PRIMAPHIST17	Cat5A2_CO2	Def: UNFCCC CRF + Nat. Comms.
Cat4_CO2	Def: PRIMAPHIST17	Cat5LtoNonFL_CO2	Def: UNFCCC CRF + Nat. Comms.
Cat5_CO2	Def: PRIMAPHIST17	Cat5GMCMWWM_C	Def: UNFCCC CRF
Cat1_CH4	Def: PRIMAPHIST17	Cat5A1ForestFires	Def: UNFCCC Cat5 + EDGAR(IPCC Database)
Cat2367_CH4	Def: PRIMAPHIST17	Cat5A1HWP_CO2	Def: UNFCCC CRF + Nat. Comms.
Cat4_CH4	Def: PRIMAPHIST17	Cat5bisA_CO2	Def: UNFCCC CRF + NATCOMM.
Cat5_CH4	Def: PRIMAPHIST17	Cat5bisB_CO2	Def: UNFCCC CRF + NATCOMM.
Cat1_N2O	Def: PRIMAPHIST17	Cat5bisC_CO2	Def: UNFCCC CRF + NATCOMM.
Cat2367_N2O	Def: PRIMAPHIST17	Cat5bisD_CO2	Def: UNFCCC CRF + NATCOMM.
Cat4_N2O	Def: PRIMAPHIST17	Cat5bisE_CO2	Def: UNFCCC CRF + NATCOMM.
Cat5_N2O	Def: PRIMAPHIST17	PRO_WM_Cat5_G	Def: UNFCCC Annex I Reports
Cat0_HFCs	Def: PRIMAPHIST17	Metric	GWP SAR
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 <a href="http://www.climatecollege.unimelb.edu.au/indc-factsheets">www.climatecollege.unimelb.edu.au/indc-factsheets</a> . Check out as well: <a href="http://www.climateactiontracker.org">www.climateactiontracker.org</a> , <a href="http://www.mitigation-contributions.org">www.mitigation-contributions.org</a> , <a href="http://cait.wri.org">cait.wri.org</a> , <a href="http://infographics.pbl.nl/indc">infographics.pbl.nl/indc</a> , <a href="http://live.primap.org">live.primap.org</a> , <a href="http://www.unep.org/climatechange/pledgepipeline">www.unep.org/climatechange/pledgepipeline</a> , and our twitter feed @ClimateCollege			
<a href="http://climatecollege.unimelb.edu.au">climatecollege.unimelb.edu.au</a>			

## 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	-23%
INDC LOW	-21%

## More info on [www.mitigation-contributions.org](http://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