

Paris Agreement ratified on: 21/09/2016

Singapore

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



+2%

NDC 2025

NDC 2030

-36% 258% Intensity Target rel. 2005

Share of World Emissions excl. LULUCF (Rank):

2015 World Rank

2025 World Rank

2030 World Rank

0.2% #63

0.2% #65

0.2% #64

Per-Capita Emissions (tCO2eq/cap)

14.3t #18

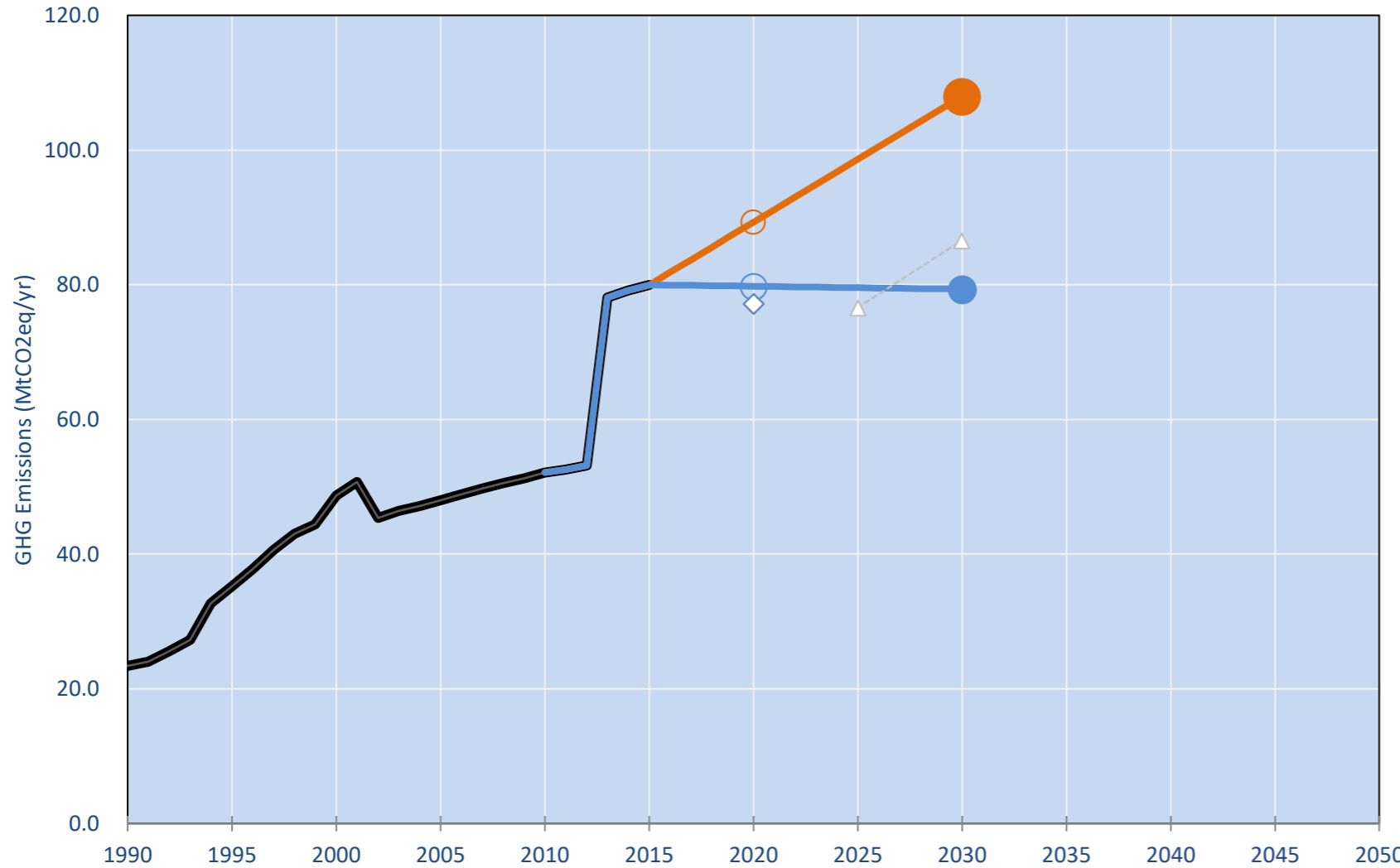
14.3t #19

14.6t #18

NDC: Reduce its emissions intensity by 36% from 2005 levels by 2030 and stabilise its emissions with the aim of peaking around 2030. (GWP SAR)

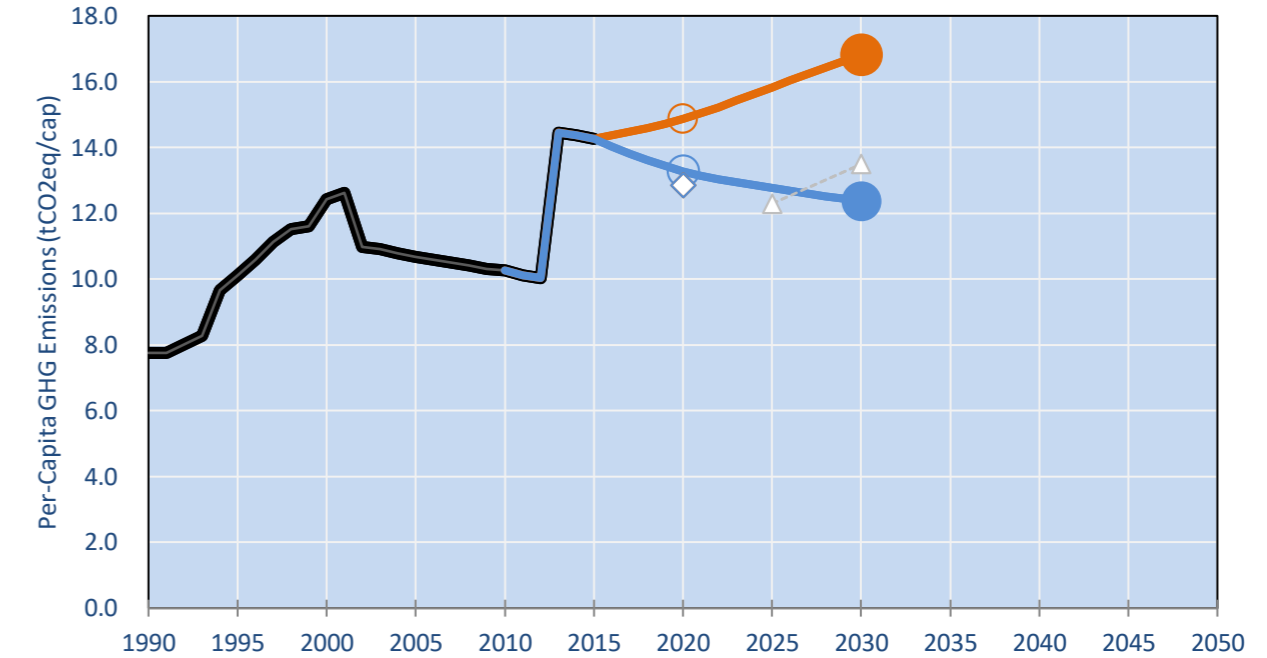
INDC Submitted: 3/07/2015

GHG Emissions

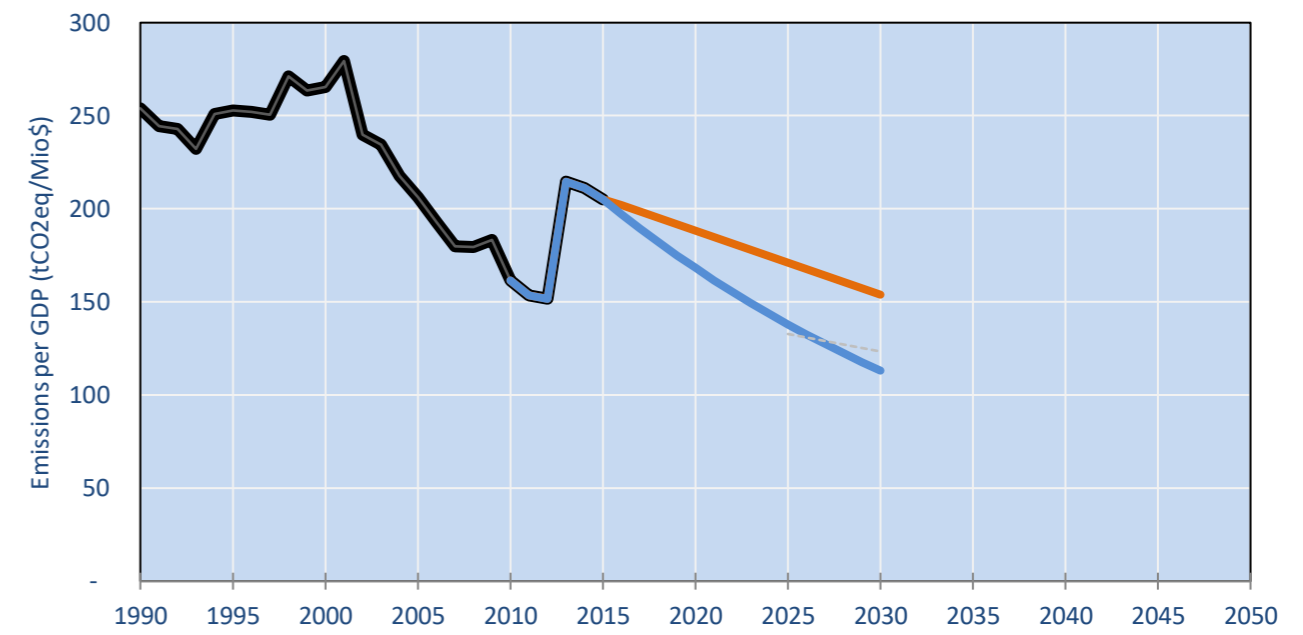


- Reference Total GHG excl. LULUCF
- Historical Covered Emissions, incl. LULUCF, if covered.
- LOW INDC Covered Emissions, incl. LULUCF if covered
- LOW INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH INDC Covered Emissions, incl. LULUCF
- HIGH INDC Covered + Non-Covered Emissions, excl. LULUCF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

Per-Capita Emissions



GHG Emissions per GDP



2015 Total GHG Emissions excl. LULUCF

By Gas:

CO2	95.4%
CH4	2.2%
N2O	0.9%
F-gases	1.4%

By Sector:

Cat. 1 Energy	94.0%
Cat. 2, 3, 6 & 7	4.5%
Cat. 4. Agriculture	0.1%
F-gases	1.4%

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	23	49	48	52	80	89	80	99	80	108	79
Total GHG excl. LULUCF	23	49	48	52	80	89	80	99	80	108	79
Total GHG incl. LULUCF	23	49	48	52	80	89	80	99	80	108	79

Relative GHG Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
Total excl. LULUCF						low	high	low	high	low	high
Relative 1990	100%	208%	205%	223%	342%	381%	341%	421%	340%	461%	339%
Relative 2000	48%	100%	99%	107%	164%	183%	164%	203%	163%	222%	163%
Relative 2005	49%	101%	100%	109%	167%	186%	166%	205%	166%	225%	165%
Relative 2010	45%	93%	92%	100%	153%	171%	153%	189%	153%	207%	152%
Relative 2015	29%	61%	60%	65%	100%	112%	100%	123%	99%	135%	99%

Per-Capita Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
Total excl. LULUCF						low	high	low	high	low	high
Population (Mio)	3	4	4	5	6	6	6	6	6	6	6
Per-Capita Emissions (tCO2eq/cap)	7.8	12.4	10.7	10.3	14.3	14.9	13.3	15.8	12.8	16.8	12.4
Relative 1990	100%	160%	138%	132%	184%	192%	171%	204%	165%	217%	159%
Relative 2000	62%	100%	86%	83%	115%	120%	107%	127%	103%	135%	99%
Relative 2005	73%	116%	100%	96%	134%	139%	124%	148%	120%	158%	116%
Relative 2010	76%	121%	104%	100%	139%	145%	129%	154%	124%	164%	120%
Relative 2015	54%	87%	75%	72%	100%	104%	93%	111%	89%	118%	87%

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	COUNTRY-SPECIFIC USER DATA		
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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Meinshausen, Alexander et al., www.climatecollege.unimelb.edu.au/indc-factsheets, The University of Melbourne



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

	2025 rel. 2010:	#N/A	2030 rel. 2010:	#N/A
LEADER				
CDC	-4%		-15%	
ECPC50	2%		2%	
ECPC90	1%		-9%	
GDR	-53%		-56%	
INDC HIGH	53%		52%	
INDC LOW	89%		107%	



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