21 Oct 2017
"Fiji COP23" Edition

Shown: 2025 & 2030: Min/max of unconditional and conditional targets

NDC Factsheet

Paris Agreement ratified on: 08/11/2016

Japan

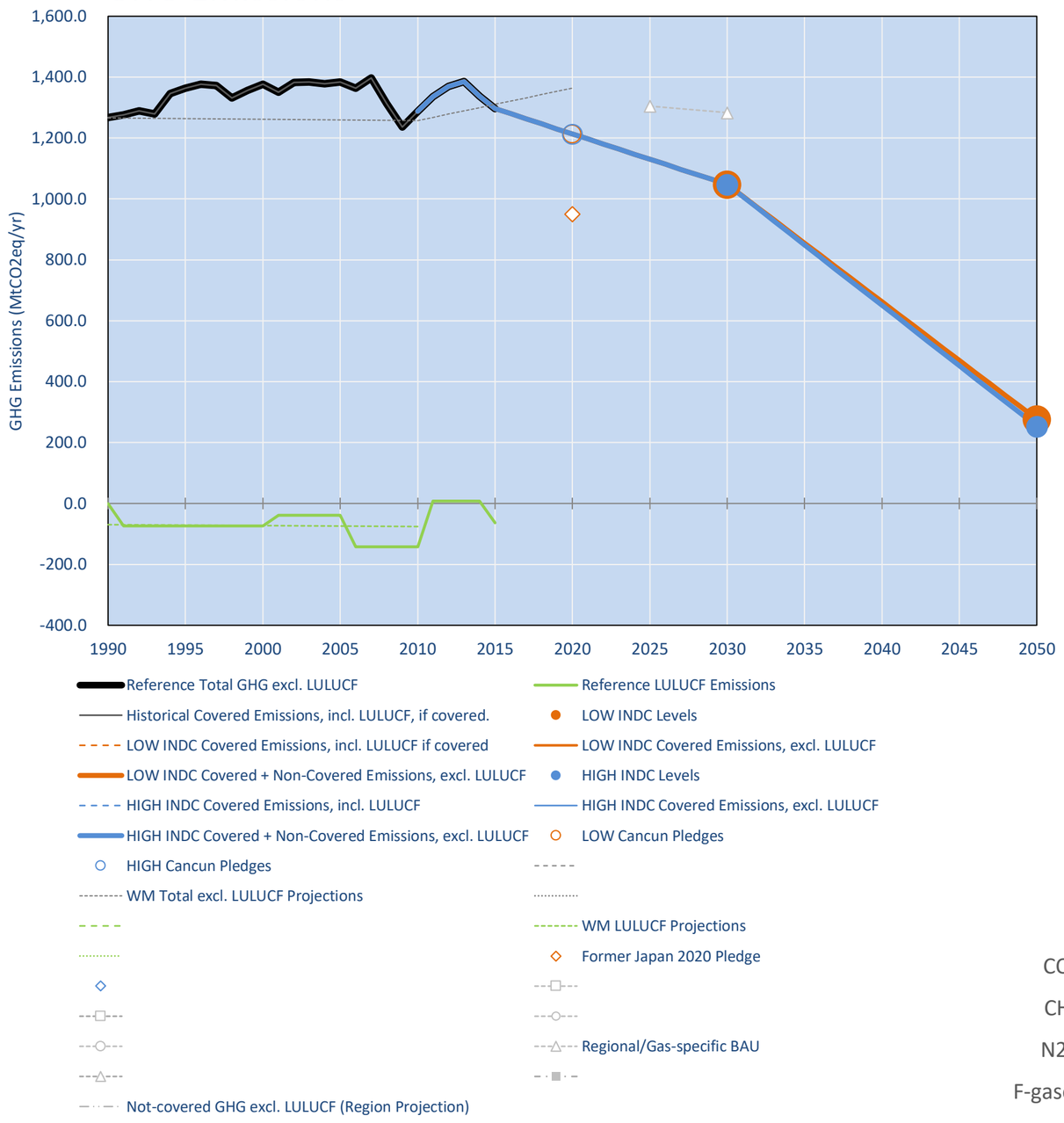
Per-Capita Emissions in 2030 rel. 2015 (excl. LULUCF): **-15%**

NDC 2025	NDC 2030		2015 World Rank	2025 World Rank	2030 World Rank
	-25% rel.2005	Share of World Emissions excl. LULUCF (Rank):	2.7% #6	2.1% #7	1.9% #9
		Per-Capita Emissions (tCO2eq/cap)	10.2t #37	9.2t #40	8.7t #43

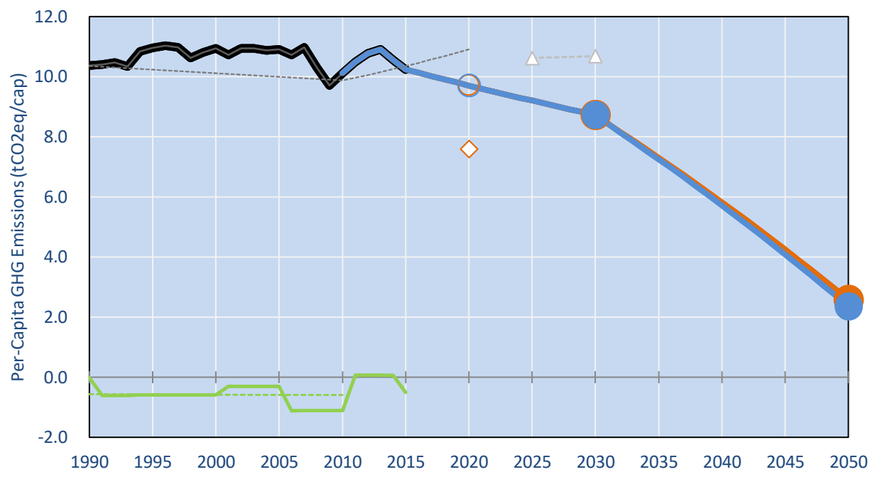
NDC: Level of reduction of 26% by fiscal year (FY) 2030 compared to FY 2013. (GWP AR4)

INDC Submitted: 17/07/2015

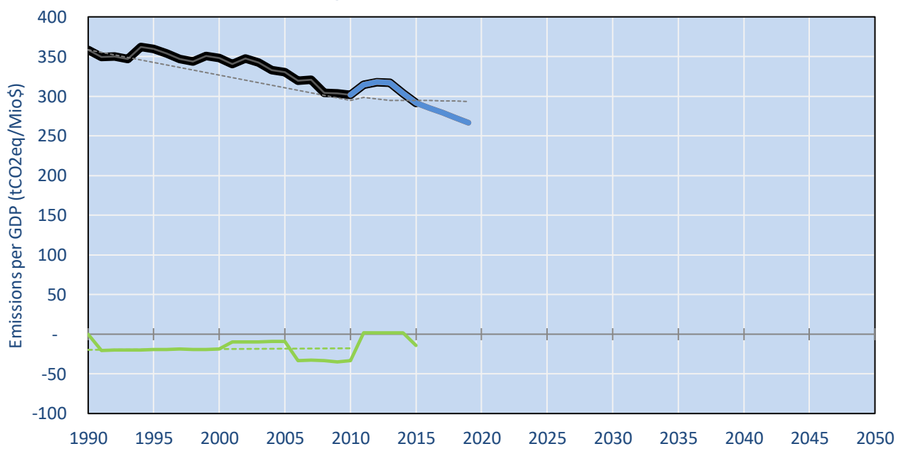
GHG Emissions



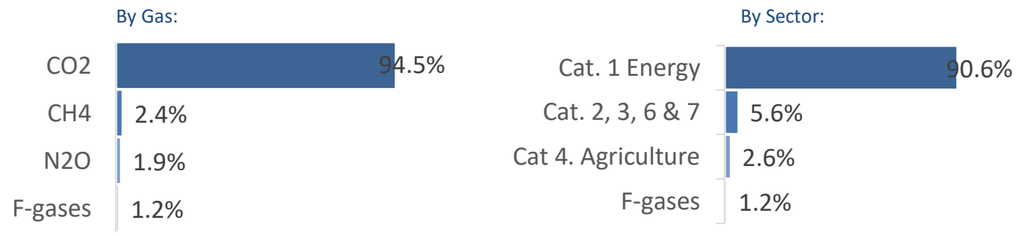
Per-Capita Emissions



GHG Emissions per GDP



2015 Total GHG Emissions excl. LULUCF



GHG Emissions

(MtCO2eq/yr in GWP AR4)	1990	2000	2005	2010	2015	2020 low	2020 high	2025 low	2025 high	2030 low	2030 high
Assumed LULUCF Accounting Credits (-)/Debits (+)						- 11	- 11	-	- 15	- 15	- 15
NDC covered LULUCF Emissions	-	-	-	-	-	-	-	-	-	-	-
NDC covered Emissions excl. LULUCF	1,267	1,376	1,385	1,288	1,297	1,214	1,214	1,131	1,131	1,048	1,048
Total GHG excl. LULUCF	1,267	1,376	1,385	1,288	1,297	1,214	1,214	1,131	1,131	1,048	1,048
Total GHG incl. LULUCF	1,266	1,302	1,346	1,145	1,233	1,214	1,214	1,067	1,067	984	984

Relative GHG Emissions

Total excl. LULUCF	1990	2000	2005	2010	2015	2020 low	2020 high	2025 low	2025 high	2030 low	2030 high
Relative 1990	100%	109%	109%	102%	102%	96%	96%	89%	89%	83%	83%
Relative 2000	92%	100%	101%	94%	94%	88%	88%	82%	82%	76%	76%
Relative 2005	92%	99%	100%	93%	94%	88%	88%	82%	82%	76%	76%
Relative 2010	98%	107%	108%	100%	101%	94%	94%	88%	88%	81%	81%
Relative 2015	98%	106%	107%	99%	100%	94%	94%	87%	87%	81%	81%

Per-Capita Emissions

Total excl. LULUCF	1990	2000	2005	2010	2015	2020 low	2020 high	2025 low	2025 high	2030 low	2030 high
Population (Mio)	122	126	127	127	127	125	125	123	123	120	120
Per-Capita Emissions (tCO2eq/cap)	10.4	10.9	10.9	10.1	10.2	9.7	9.7	9.2	9.2	8.7	8.7
Relative 1990	100%	106%	105%	98%	99%	94%	94%	89%	89%	84%	84%
Relative 2000	95%	100%	100%	92%	94%	89%	89%	84%	84%	80%	80%
Relative 2005	95%	100%	100%	93%	94%	89%	89%	84%	84%	80%	80%
Relative 2010	102%	108%	108%	100%	101%	96%	96%	91%	91%	86%	86%
Relative 2015	101%	107%	106%	99%	100%	95%	95%	90%	90%	85%	85%

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

Cat5A1_CO2	UNFCCC CRF + Nat. Comms.
Cat5A2_CO2	UNFCCC CRF + Nat. Comms.
Cat5LtoNonFL_CO	UNFCCC CRF + Nat. Comms.
Cat5GMCMWM_C	UNFCCC CRF + Nat. Comms.
Cat5A1ForestFires	UNFCCC Cat5 + EDGAR(IPCC Database)
Cat5A1HWP_CO2	UNFCCC CRF + Nat. Comms.
Cat5bisA_CO2	UNFCCC CRF + NATCOMM.
Cat5bisB_CO2	UNFCCC CRF + NATCOMM.
Cat5bisC_CO2	UNFCCC CRF + NATCOMM.
Cat5bisD_CO2	UNFCCC CRF + NATCOMM.
Cat5bisE_CO2	UNFCCC CRF + NATCOMM.
PRO_WM_Cat5_G	UNFCCC Annex I Reports
Metric	GWP AR4

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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THE UNIVERSITY OF MELBOURNE

AUSTRALIAN-GERMAN CLIMATE & ENERGY COLLEGE

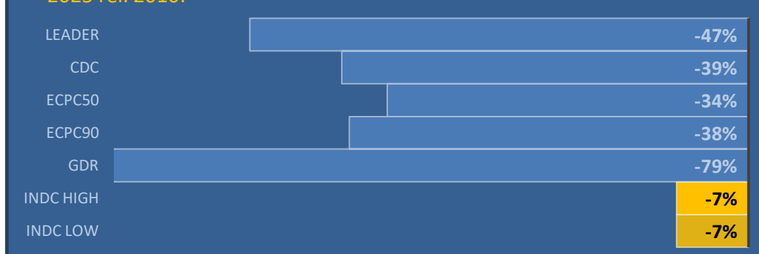
PIK

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

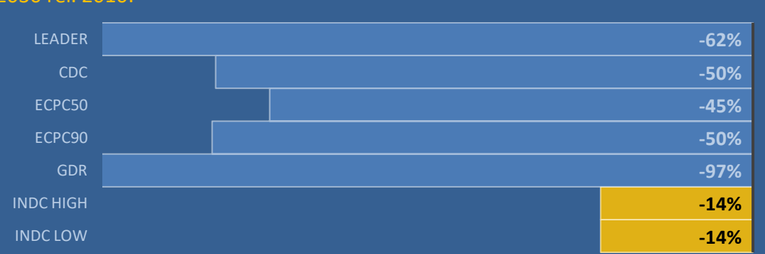
Various 'fair' contributions for a global 'least-cost' 2°C path (total incl. LULUCF):

More info on www.mitigation-contributions.org

2025 rel. 2010:



2030 rel. 2010:



"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