

China

Per-Capita Emissions in 2030 rel. 2015 (excl. LULUCF): **+13%**

NDC 2025

NDC 2030

-60% -65% Intensity Target rel. 2005

Share of World Emissions excl. LULUCF (Rank):

2015 World Rank

2025 World Rank

2030 World Rank

26.6% #1

26.7% #1

27.0% #1

Per-Capita Emissions (tCO₂eq/cap)

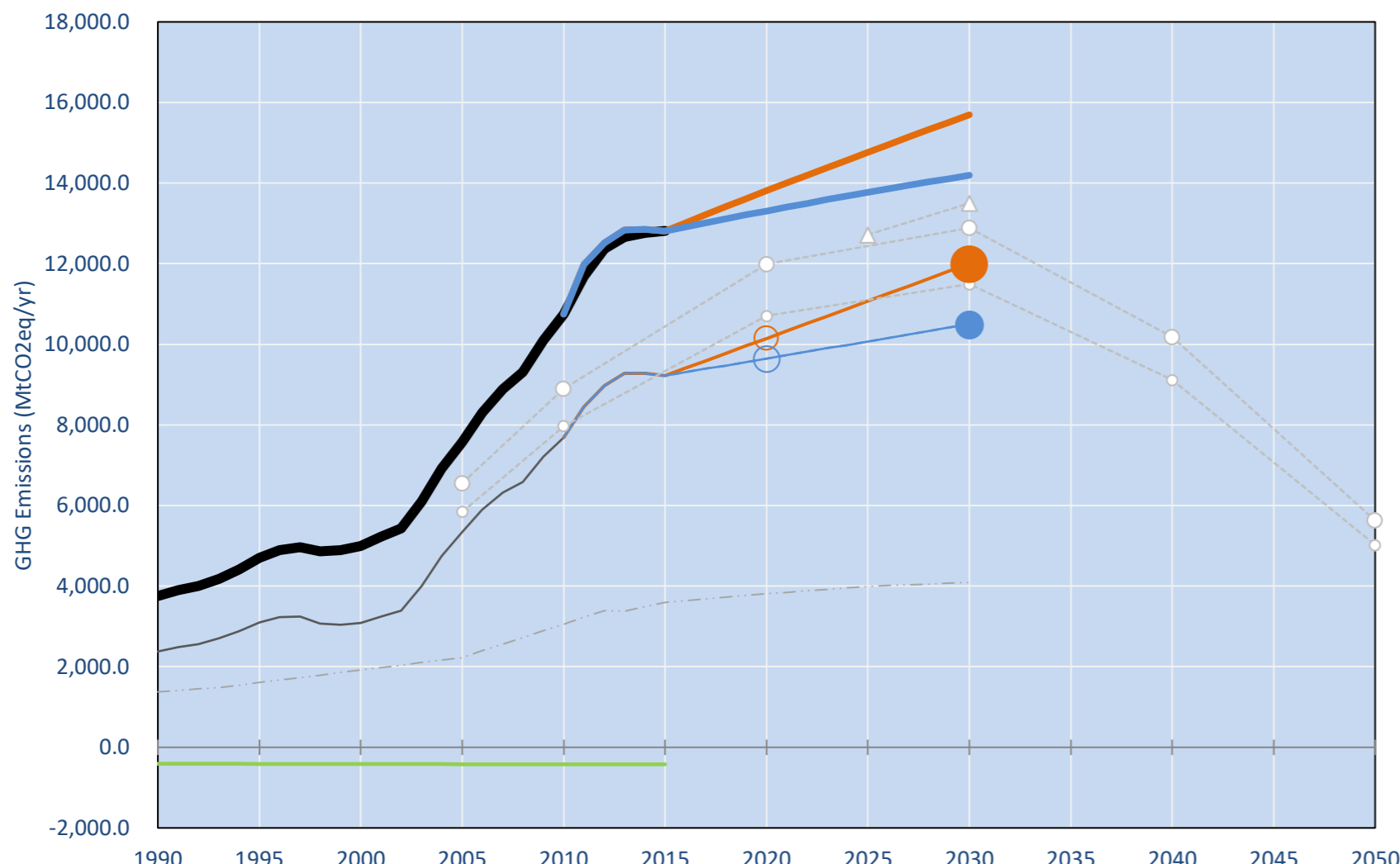
9.3t #42

10.1t #31

10.6t #27

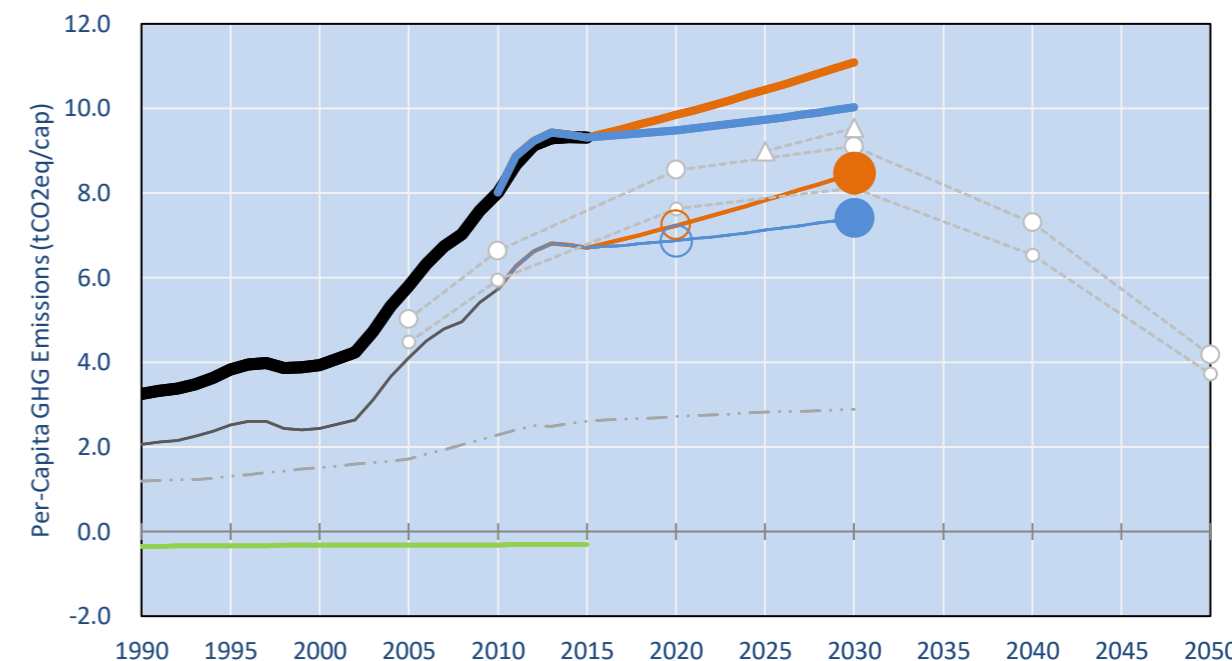
NDC: Achieve peaking of carbon dioxide emissions around 2030 and making the best effort to peak early. Lower carbon dioxide emissions per unit of GDP by 60-65% from 2005 level. Increase share of non-fossil fuel in primary energy consumption to at least 15% by 2030. INDC Submitted: 30/06/2015

GHG Emissions

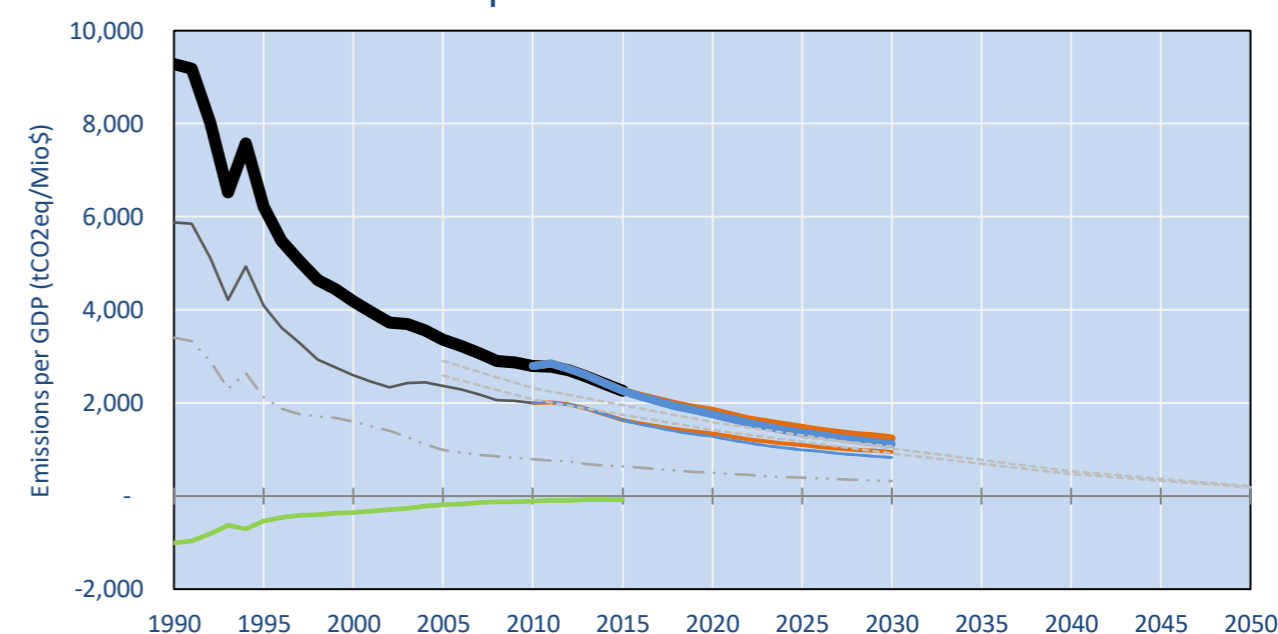


- Reference Total GHG excl. LULUCF
- Historical Covered Emissions, incl. LULUCF, if covered.
- LOW INDC Covered Emissions, incl. LULUCF if covered
- LOW INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH INDC Covered Emissions, incl. LULUCF
- HIGH INDC Covered + Non-Covered Emissions, excl. LULUCF
- 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
- Fu Sha et al. 2015 CO₂ (incl. cement) w/o energy data adj.
- 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 82.9%
CH₄ 12.5%
N₂O 4.5%
F-gases 0.1%

By Sector:

Cat. 1 Energy 78.8%
Cat. 2, 3, 6 & 7 12.4%
Cat. 4. Agriculture 8.7%
F-gases 0.1%

GHG Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
(MtCO ₂ eq/yr in GWP AR5)						low	high	low	high	low	high
Assumed LULUCF Accounting Credits (-)/Debits (+)	-	-	-	-	-	-	-	-	-	-	-
NDC covered LULUCF Emissions	-	-	-	-	-	-	-	-	-	-	-
NDC covered Emissions excl. LULUCF	2,378	3,089	5,348	7,685	9,220	10,146	9,646	11,072	10,072	11,998	10,498
Total GHG excl. LULUCF	3,755	5,002	7,575	10,747	12,815	13,810	13,310	14,768	13,768	15,695	14,195
Total GHG incl. LULUCF	3,347	4,586	7,154	10,326	12,393	13,389	12,889	14,346	13,346	15,274	13,774

Relative GHG Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
Total excl. LULUCF						low	high	low	high	low	high
Relative 1990	100%	133%	202%	286%	341%	368%	354%	393%	367%	418%	378%
Relative 2000	75%	100%	151%	215%	256%	276%	266%	295%	275%	314%	284%
Relative 2005	50%	66%	100%	142%	169%	182%	176%	195%	182%	207%	187%
Relative 2010	35%	47%	70%	100%	119%	129%	124%	137%	128%	146%	132%
Relative 2015	29%	39%	59%	84%	100%	108%	104%	115%	107%	122%	111%

Per-Capita Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
Total excl. LULUCF						low	high	low	high	low	high
Population (Mio)	1,155	1,270	1,306	1,341	1,376	1,403	1,403	1,415	1,415	1,416	1,416
Per-Capita Emissions (tCO ₂ eq/cap)	3.3	3.9	5.8	8.0	9.3	9.8	9.5	10.4	9.7	11.1	10.0
Relative 1990	100%	121%	178%	246%	286%	303%	292%	321%	299%	341%	308%
Relative 2000	83%	100%	147%	204%	236%	250%	241%	265%	247%	282%	255%
Relative 2005	56%	68%	100%	138%	161%	170%	164%	180%	168%	191%	173%
Relative 2010	41%	49%	72%	100%	116%	123%	118%	130%	121%	138%	125%
Relative 2015	35%	42%	62%	86%	100%	106%	102%	112%	104%	119%	108%

Data Sources:

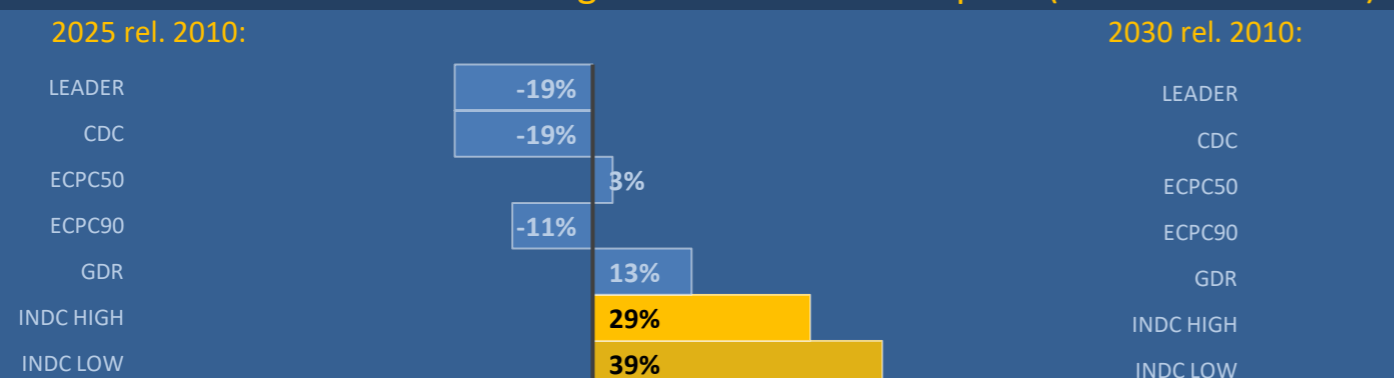
Category	Source	Category	Source
Cat1_CO2	COUNTRY-SPECIFIC USER DATA	Cat5A1_CO2	UNFCCC CRF + Nat. Comms.
Cat2367_CO2	PRIMAPHIST17	Cat5A2_CO2	UNFCCC CRF + Nat. Comms.
Cat4_CO2	PRIMAPHIST17	Cat5LtoNonFL_CO2	UNFCCC CRF + Nat. Comms.
Cat5_CO2	PRIMAPHIST17	Cat5GMCMWMM_C	UNFCCC CRF
Cat1_CH4	PRIMAPHIST17	Cat5A1ForestFires	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 AR5
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		

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



climatecollege.unimelb.edu.au
AUSTRALIAN-GERMAN CLIMATE & ENERGY COLLEGE

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



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