

Luxembourg

Per-Capita Emissions in 2030 rel. 2015 (excl. LULUCF): **-31%**

NDC 2025

NDC 2030

2015 World Rank

2025 World Rank

2030 World Rank

Share of World Emissions excl. LULUCF (Rank):

0.0% #141

0.0% #149

0.0% #152

Per-Capita Emissions (tCO2eq/cap)

18.2t #14

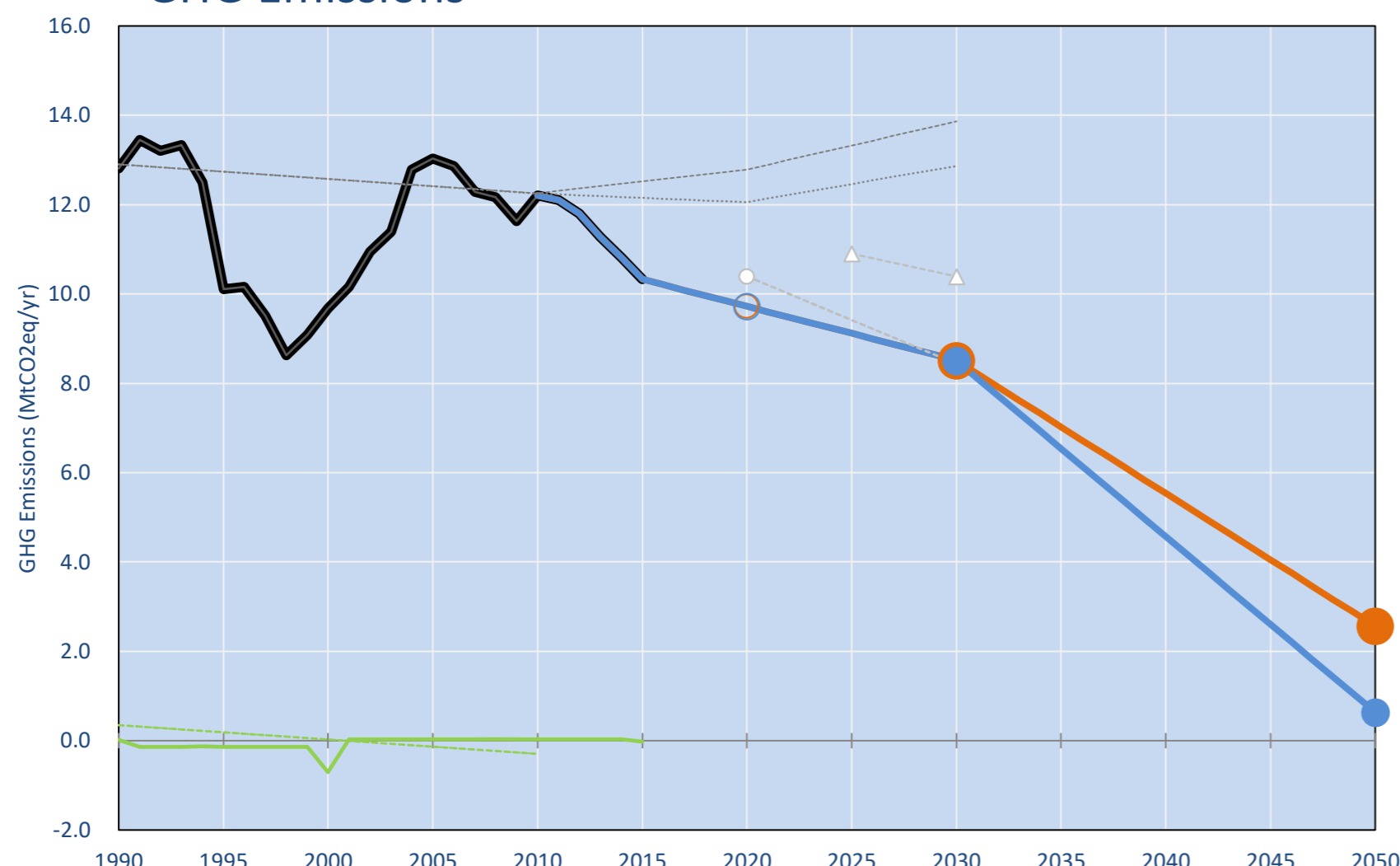
14.2t #21

12.6t #22

NDC: Contributing to the joint EU28 INDC with intra-EU split up of Emission Trading System and Effort Sharing Sectors.. (GWP AR4)

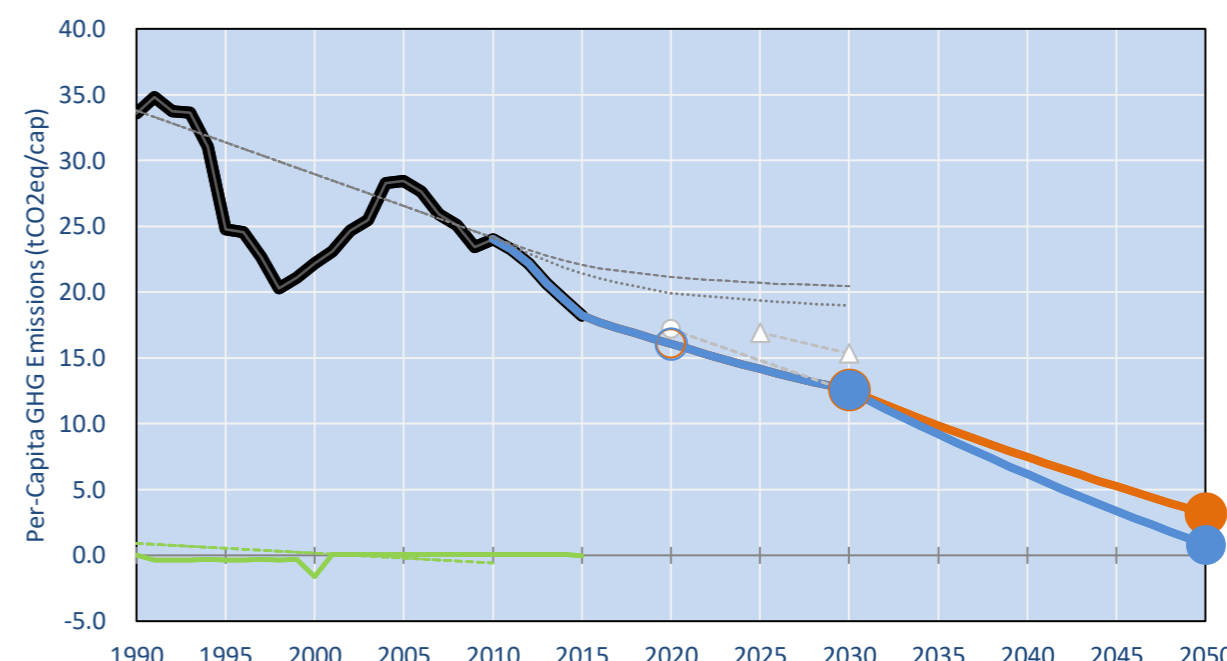
INDC Submitted: 6/03/2015

GHG Emissions

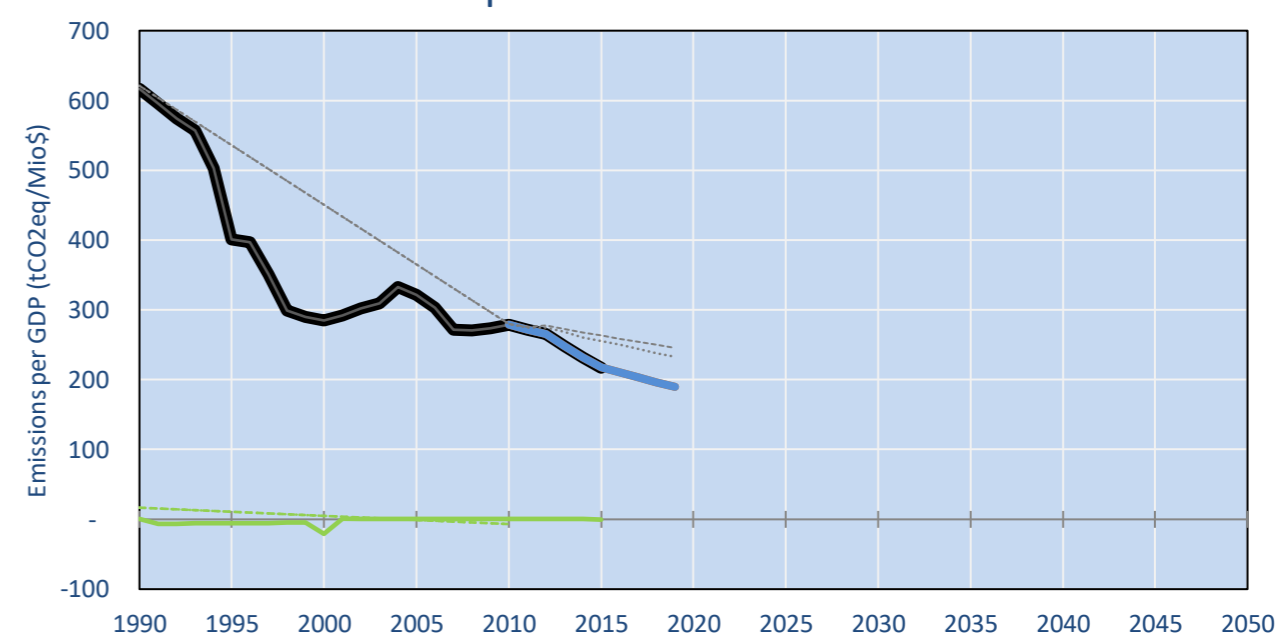


- Reference Total GHG excl. LULUCF
- Historical Covered Emissions, incl. LULUCF, if covered.
- LOW INDC Covered Emissions, incl. LULUCF if covered
- LOW INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH INDC Covered Emissions, incl. LULUCF
- HIGH INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH Cancun Pledges
- WAM Total excl. LULUCF Projections
- WAM LULUCF Projections
- WAM LULUCF Projections
- Reference LULUCF Emissions
- LOW INDC Levels
- LOW INDC Covered Emissions, excl. LULUCF
- HIGH INDC Levels
- HIGH INDC Covered Emissions, excl. LULUCF
- LOW Cancun Pledges
- WAM Total excl. LULUCF Projections
- WAM LULUCF Projections
- WAM LULUCF Projections
- Approx. 2030 EU MS target (-40% ESD + -43% ETS)
- 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 90.0%
CH4 6.0%
N2O 3.2%
F-gases 0.8%

By Sector:

Cat. 1 Energy 85.9%
Cat. 2, 3, 6 & 7 6.8%
Cat 4. Agriculture 6.6%
F-gases 0.8%

GHG Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
(MtCO2eq/yr in GWP AR4)						low	high	low	high	low	high
Assumed LULUCF Accounting Credits (-)/Debits (+)	-	-	-	-	-	0	0	-	-	0	0
NDC covered LULUCF Emissions	-	-	-	-	-	-	-	-	-	-	-
NDC covered Emissions excl. LULUCF	13	10	13	12	10	10	10	9	9	9	9
Total GHG excl. LULUCF	13	10	13	12	10	10	10	9	9	9	9
Total GHG incl. LULUCF	13	9	13	12	10	10	10	9	9	8	8

Relative GHG Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
Total excl. LULUCF						low	high	low	high	low	high
Relative 1990	100%	75%	102%	95%	81%	76%	76%	71%	71%	66%	66%
Relative 2000	132%	100%	135%	126%	107%	101%	101%	94%	94%	88%	88%
Relative 2005	98%	74%	100%	94%	79%	75%	75%	70%	70%	65%	65%
Relative 2010	105%	79%	107%	100%	85%	80%	80%	75%	75%	70%	70%
Relative 2015	124%	94%	126%	118%	100%	94%	94%	88%	88%	82%	82%

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	1	1	1	1	1	1	1	1
Per-Capita Emissions (tCO2eq/cap)	33.6	22.2	28.5	24.0	18.2	16.1	16.1	14.2	14.2	12.6	12.6
Relative 1990	100%	66%	85%	72%	54%	48%	48%	42%	42%	37%	37%
Relative 2000	151%	100%	128%	108%	82%	72%	72%	64%	64%	57%	57%
Relative 2005	118%	78%	100%	84%	64%	56%	56%	50%	50%	44%	44%
Relative 2010	140%	92%	118%	100%	76%	67%	67%	59%	59%	52%	52%
Relative 2015	184%	122%	156%	132%	100%	88%	88%	78%	78%	69%	69%

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 + Nat. Comms.
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 AR4
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		
	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		

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:		2030 rel. 2010:	
	#N/A		#N/A
LEADER		LEADER	
CDC	-10%	CDC	-22%
ECPC50	-46%	ECPC50	-76%
ECPC90	-20%	ECPC90	-38%
GDR	-97%	GDR	-121%
INDC HIGH	-26%	INDC HIGH	-31%
INDC LOW	-26%	INDC LOW	-31%

More info on www.mitigation-contributions.org

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