

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

Paris Agreement ratified on: 13/10/2016

Sweden

Per-Capita Emissions in 2030 rel. 2015 (excl. LULUCF): **-10%**

NDC 2025

NDC 2030

2015 World Rank

2025 World Rank

2030 World Rank

Share of World Emissions excl. LULUCF (Rank):

0.1% #79

0.1% #88

0.1% #87

Per-Capita Emissions (tCO2eq/cap)

5.4t #87

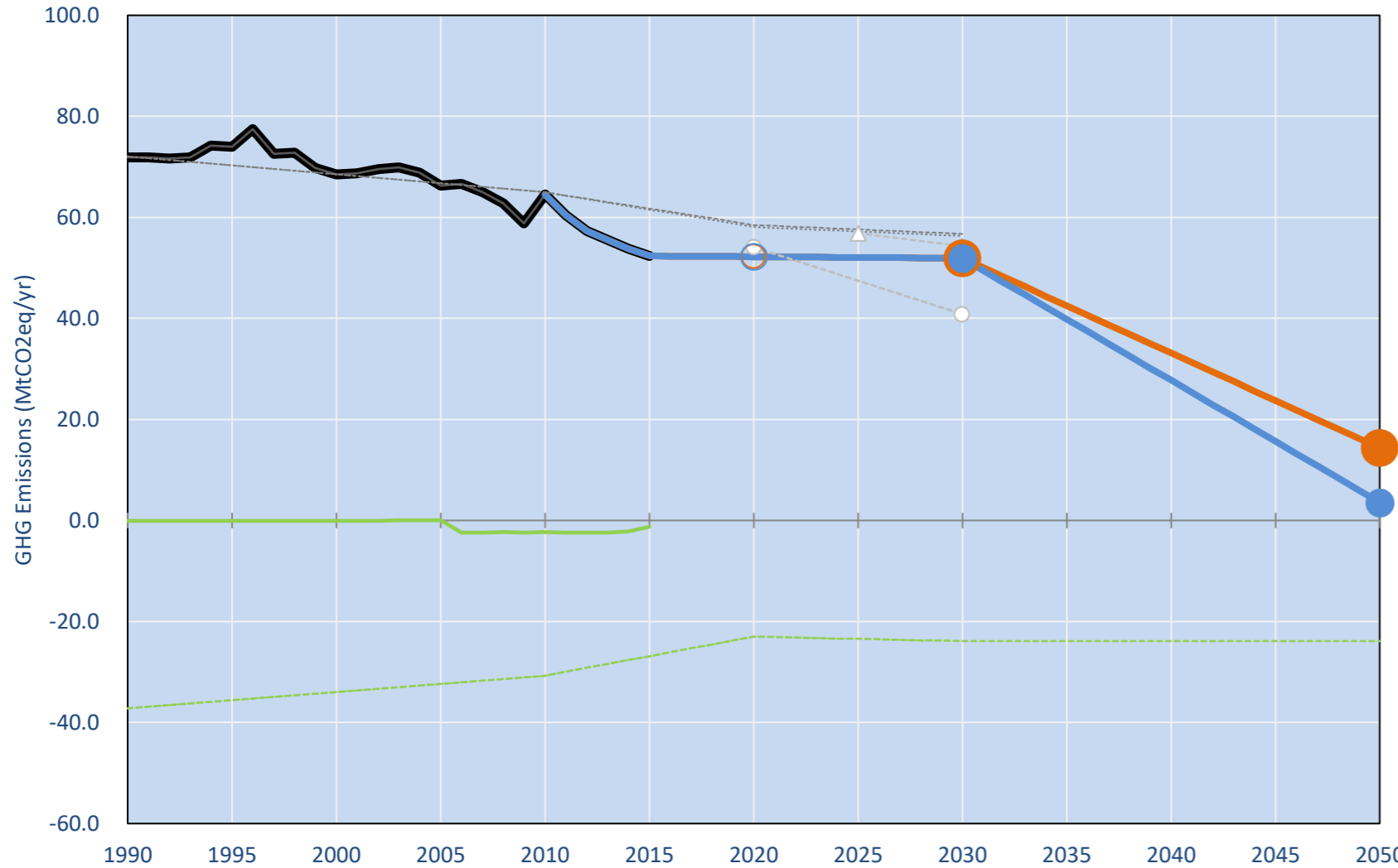
5t #95

4.8t #96

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

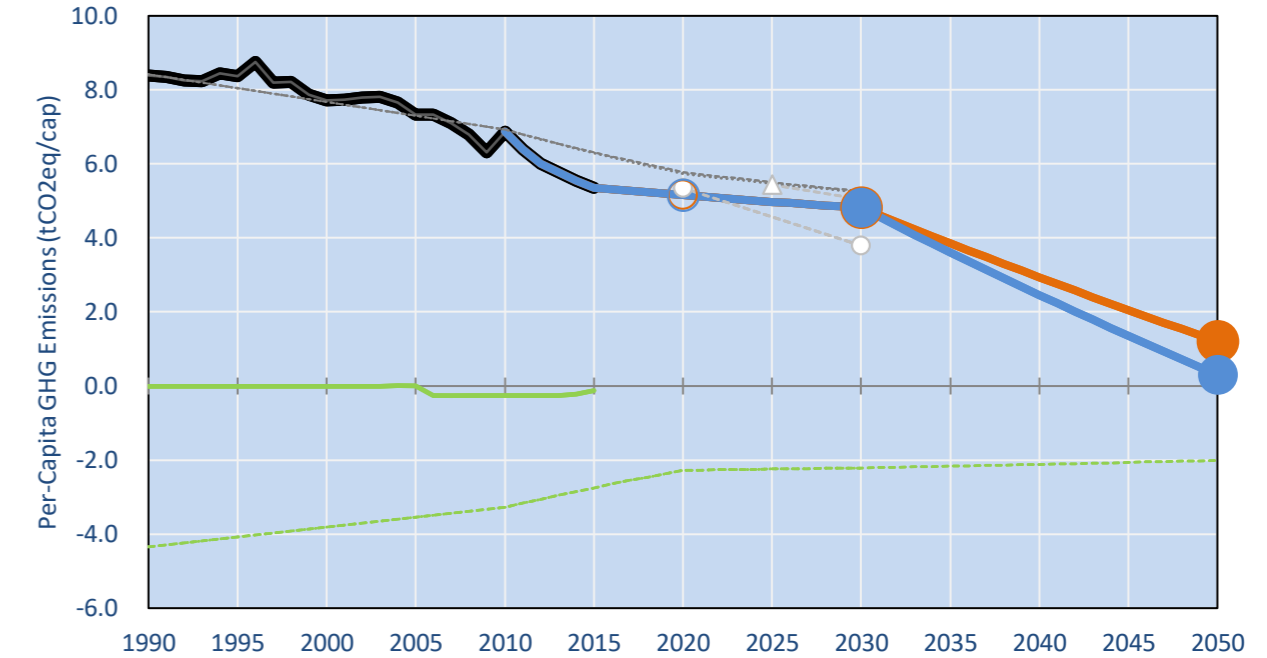
INDC Submitted: 6/03/2015

GHG Emissions

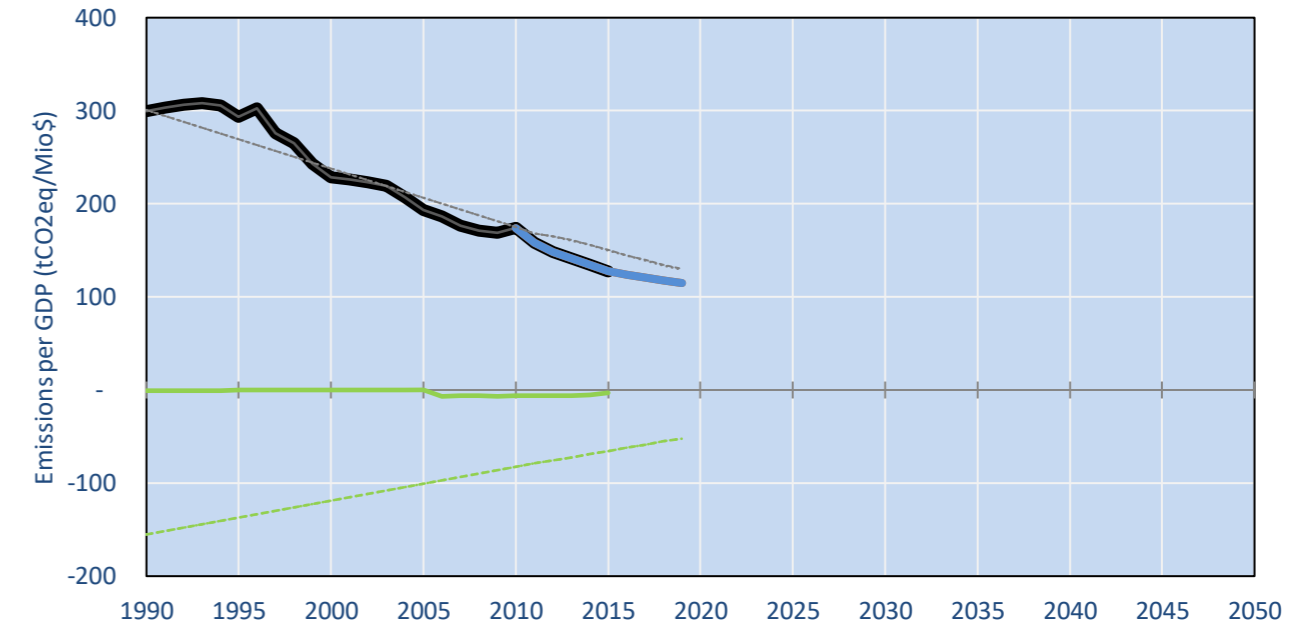


- Reference Total GHG excl. LULUCF
- Historical Covered Emissions, incl. LULUCF, if covered.
- LOW INDC Covered Emissions, incl. LULUCF if covered
- LOW INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH INDC Covered Emissions, incl. LULUCF
- HIGH INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH Cancun Pledges
- WAM Total excl. LULUCF Projections
- WAM LULUCF Projections
- WAM LULUCF Projections
- Approx. 2030 EU MS target (-40% ESD + -43% ETS)
- Regional/Gas-specific BAU
- Not-covered GHG excl. LULUCF (Region Projection)
- Reference LULUCF Emissions
- LOW INDC Levels
- LOW INDC Covered Emissions, excl. LULUCF
- HIGH INDC Levels
- HIGH INDC Covered Emissions, excl. LULUCF
- LOW Cancun Pledges
- Approx. 2030 EU MS target (-40% ESD + -43% ETS)
- Regional/Gas-specific BAU

Per-Capita Emissions



GHG Emissions per GDP



2015 Total GHG Emissions excl. LULUCF

By Gas:

CO2 81.3%
CH4 10.4%
N2O 8.2%
F-gases 0.1%

By Sector:

Cat. 1 Energy 73.2%
Cat. 2, 3, 6 & 7 13.5%
Cat 4. Agriculture 13.2%
F-gases 0.1%

GHG Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
(MtCO2eq/yr in GWP AR5)						low	high	low	high	low	high
Assumed LULUCF Accounting Credits (-)/Debits (+)	-	-	-	-	-	-	-	-	-	-	-
NDC covered LULUCF Emissions	-	-	-	-	-	-	-	-	-	-	-
NDC covered Emissions excl. LULUCF	72	68	66	65	52	52	52	52	52	52	52
Total GHG excl. LULUCF	72	68	66	65	52	52	52	52	52	52	52
Total GHG incl. LULUCF	72	68	66	62	51	29	29	29	29	28	28

Relative GHG Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
Total excl. LULUCF						low	high	low	high	low	high
Relative 1990	100%	95%	92%	90%	73%	73%	73%	72%	72%	72%	72%
Relative 2000	105%	100%	97%	94%	76%	76%	76%	76%	76%	76%	76%
Relative 2005	108%	103%	100%	97%	79%	79%	79%	79%	79%	78%	78%
Relative 2010	111%	106%	103%	100%	81%	81%	81%	81%	81%	80%	80%
Relative 2015	137%	131%	126%	123%	100%	100%	100%	99%	99%	99%	99%

Per-Capita Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
Total excl. LULUCF						low	high	low	high	low	high
Population (Mio)	9	9	9	9	10	10	10	10	10	11	11
Per-Capita Emissions (tCO2eq/cap)	8.4	7.7	7.3	6.9	5.4	5.2	5.2	5.0	5.0	4.8	4.8
Relative 1990	100%	92%	87%	82%	64%	61%	61%	59%	59%	57%	57%
Relative 2000	109%	100%	95%	89%	69%	67%	67%	64%	64%	62%	62%
Relative 2005	114%	105%	100%	94%	73%	70%	70%	68%	68%	66%	66%
Relative 2010	122%	112%	107%	100%	78%	75%	75%	72%	72%	70%	70%
Relative 2015	157%	144%	137%	128%	100%	96%	96%	93%	93%	90%	90%

Data Sources:

Cat1_CO2	PRIMAPHIST17	Cat5A1_CO2	UNFCCC CRF + Nat. Comms.
Cat2367_CO2	PRIMAPHIST17	Cat5A2_CO2	UNFCCC CRF + Nat. Comms.
Cat4_CO2	PRIMAPHIST17	Cat5LtoNonFL_CO	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 AR5
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		
		climatecollege.unimelb.edu.au	
		AUSTRALIAN-GERMAN CLIMATE & ENERGY COLLEGE	

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

2025 rel. 2010:		2030 rel. 2010:	
LEADER	#N/A	LEADER	#N/A
CDC	35%	CDC	42%
ECPC50	29%	ECPC50	29%
ECPC90	36%	ECPC90	52%
GDR	-208%	GDR	-248%
INDC HIGH	-54%	INDC HIGH	-55%
INDC LOW	-54%	INDC LOW	-55%



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