

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

Paris Agreement ratified on: 05/10/2016

EU28

Per-Capita Emissions in 2030 rel. 2015 (excl. LULUCF): **-18%**

NDC 2025

NDC 2030

2015

2025

2030

Share of World Emissions excl. LULUCF (Rank):

8.9%

7.1%

6.4%

Per-Capita Emissions (tCO₂eq/cap)

8.4t

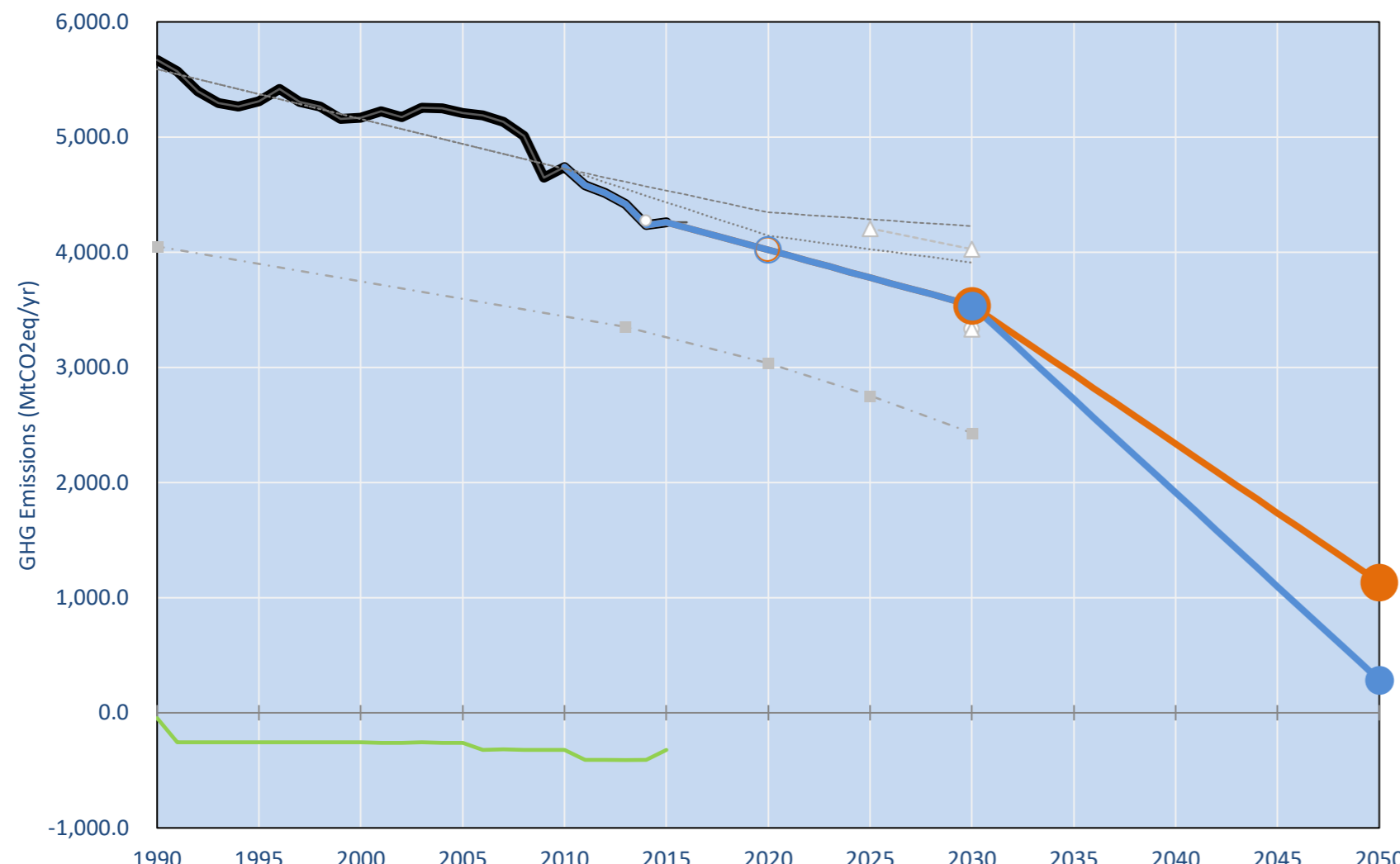
7.4t

6.9t

NDC: At least 40% reduction of GHG emissions by 2030 compared to 1990. ()

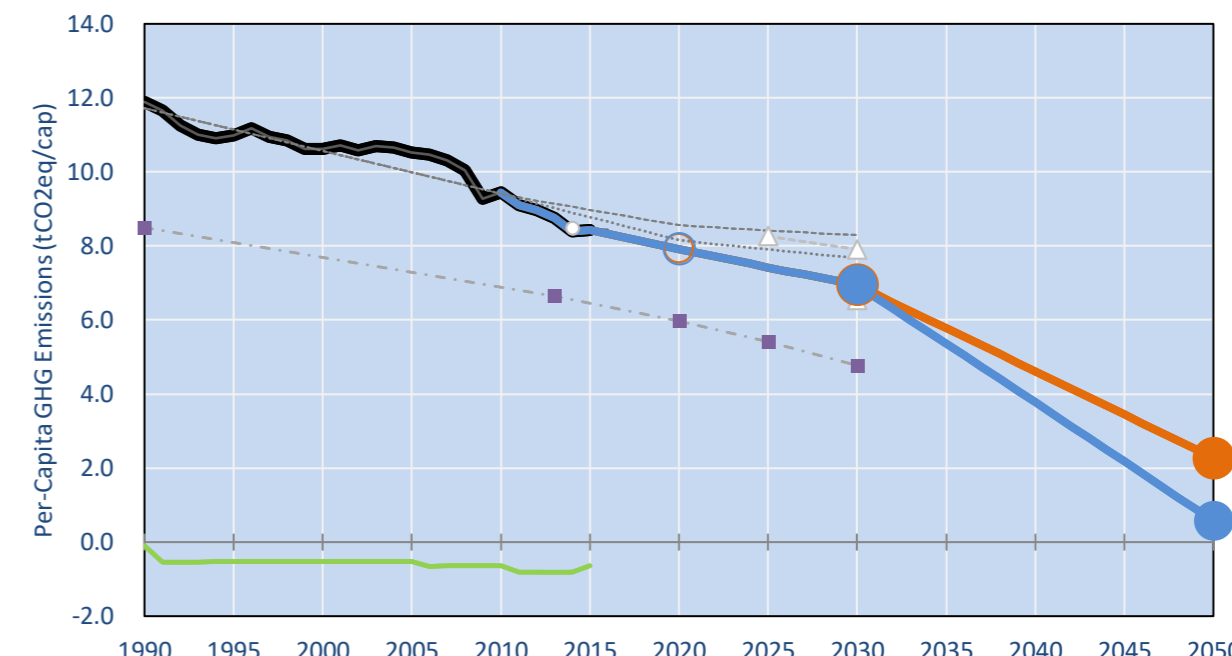
INDC Submitted: 6/03/2015

GHG Emissions

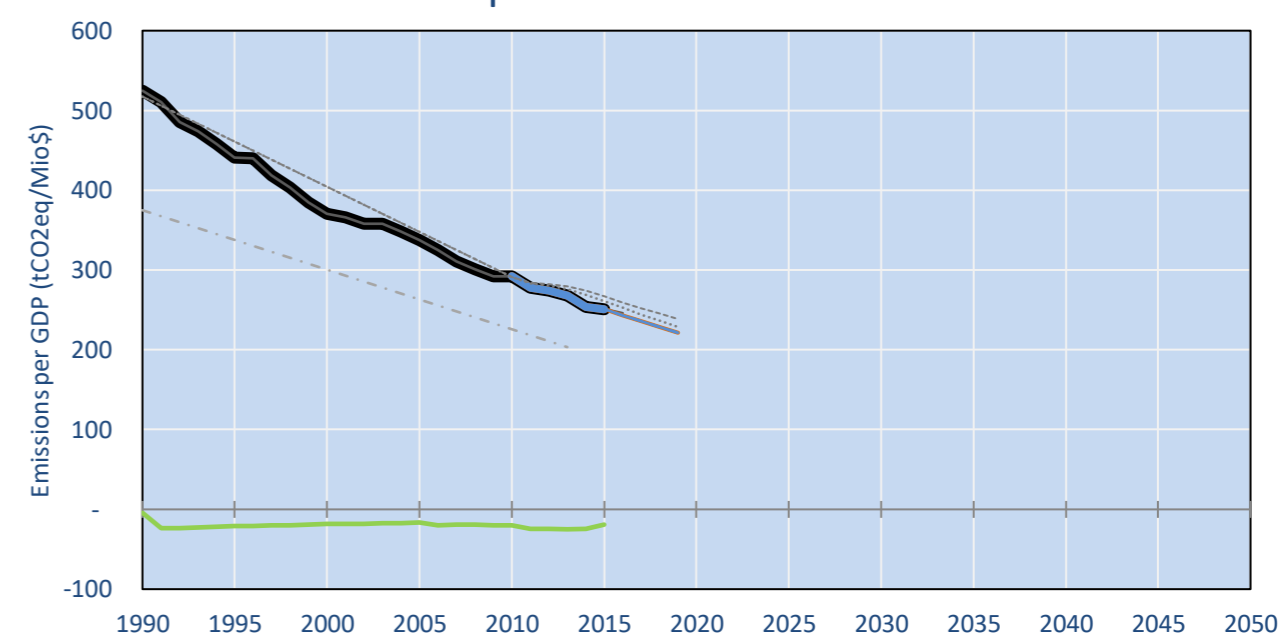


- Reference Total GHG excl. LULUCF
- Historical Covered Emissions, incl. LULUCF, if covered.
- LOW INDC Covered Emissions, incl. LULUCF if covered
- LOW INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH INDC Covered Emissions, incl. LULUCF
- HIGH INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH Cancun Pledges
- WAM Total excl. LULUCF Projections
- 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
- EEA Approximated GHG emissions for 2014
- Regional/Gas-specific BAU
- Comparison II Timeseries HIGH
- Approx. 2030 EU MS target (-30% ESD + -43% ETS)
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- Not-covered GHG excl. LULUCF (Region Projection)

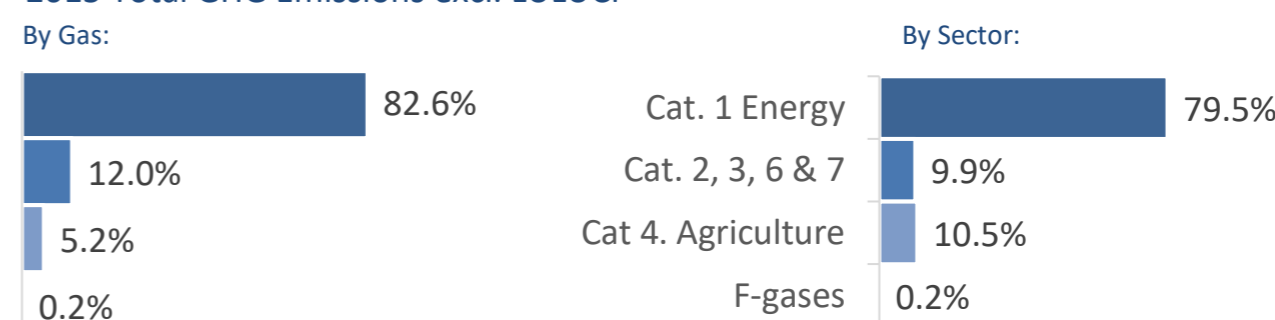
Per-Capita Emissions



GHG Emissions per GDP



2015 Total GHG Emissions excl. LULUCF



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 (+)						85 - 85	137 - 137	137 - 137
NDC covered LULUCF Emissions								
NDC covered Emissions excl. LULUCF	5,669	5,166	5,206	4,741	4,262	4,021 4,021	3,779 3,779	3,538 3,538
Total GHG excl. LULUCF	5,669	5,166	5,206	4,741	4,262	4,021 4,021	3,779 3,779	3,538 3,538
Total GHG incl. LULUCF	5,623	4,910	4,947	4,418	3,941	3,752 3,752	3,487 3,487	3,258 3,258

Relative GHG Emissions

	1990	2000	2005	2010	2015	2020	2025	2030
Total excl. LULUCF						low high	low high	low high
Relative 1990	100%	91%	92%	84%	75%	71% 71%	67% 67%	62% 62%
Relative 2000	110%	100%	101%	92%	82%	78% 78%	73% 73%	68% 68%
Relative 2005	109%	99%	100%	91%	82%	77% 77%	73% 73%	68% 68%
Relative 2010	120%	109%	110%	100%	90%	85% 85%	80% 80%	75% 75%
Relative 2015	133%	121%	122%	111%	100%	94% 94%	89% 89%	83% 83%

Per-Capita Emissions

	1990	2000	2005	2010	2015	2020	2025	2030
Total excl. LULUCF						low high	low high	low high
Population (Mio)	477	487	494	502	505	508 508	509 509	509 509
Per-Capita Emissions (tCO ₂ eq/cap)	11.9	10.6	10.5	9.4	8.4	7.9 7.9	7.4 7.4	6.9 6.9
Relative 1990	100%	89%	89%	79%	71%	67% 67%	62% 62%	58% 58%
Relative 2000	112%	100%	99%	89%	79%	75% 75%	70% 70%	65% 65%
Relative 2005	113%	101%	100%	90%	80%	75% 75%	70% 70%	66% 66%
Relative 2010	126%	112%	112%	100%	89%	84% 84%	79% 79%	74% 74%
Relative 2015	141%	126%	125%	112%	100%	94% 94%	88% 88%	82% 82%

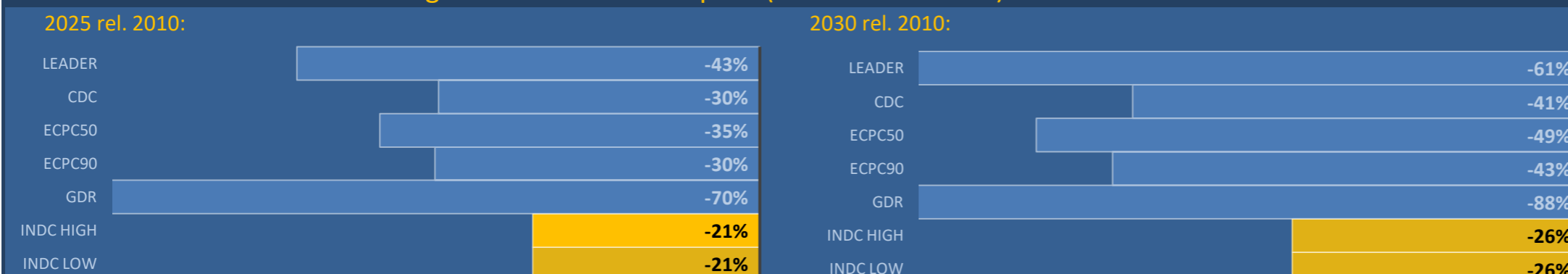
Data Sources:

- 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
- 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
- Cat5A1_CO2 UNFCCC CRF + Nat. Comms.
- Cat5A2_CO2 UNFCCC CRF + Nat. Comms.
- Cat5LtoNonFL_CO UNFCCC CRF + Nat. Comms.
- Cat5GMCMWWM_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 AR5

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

"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**