

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

Paris Agreement ratified on: 12/01/2017

Spain

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):

0.7% #28

0.6% #34

0.6% #33

Per-Capita Emissions (tCO₂eq/cap)

7.2t #58

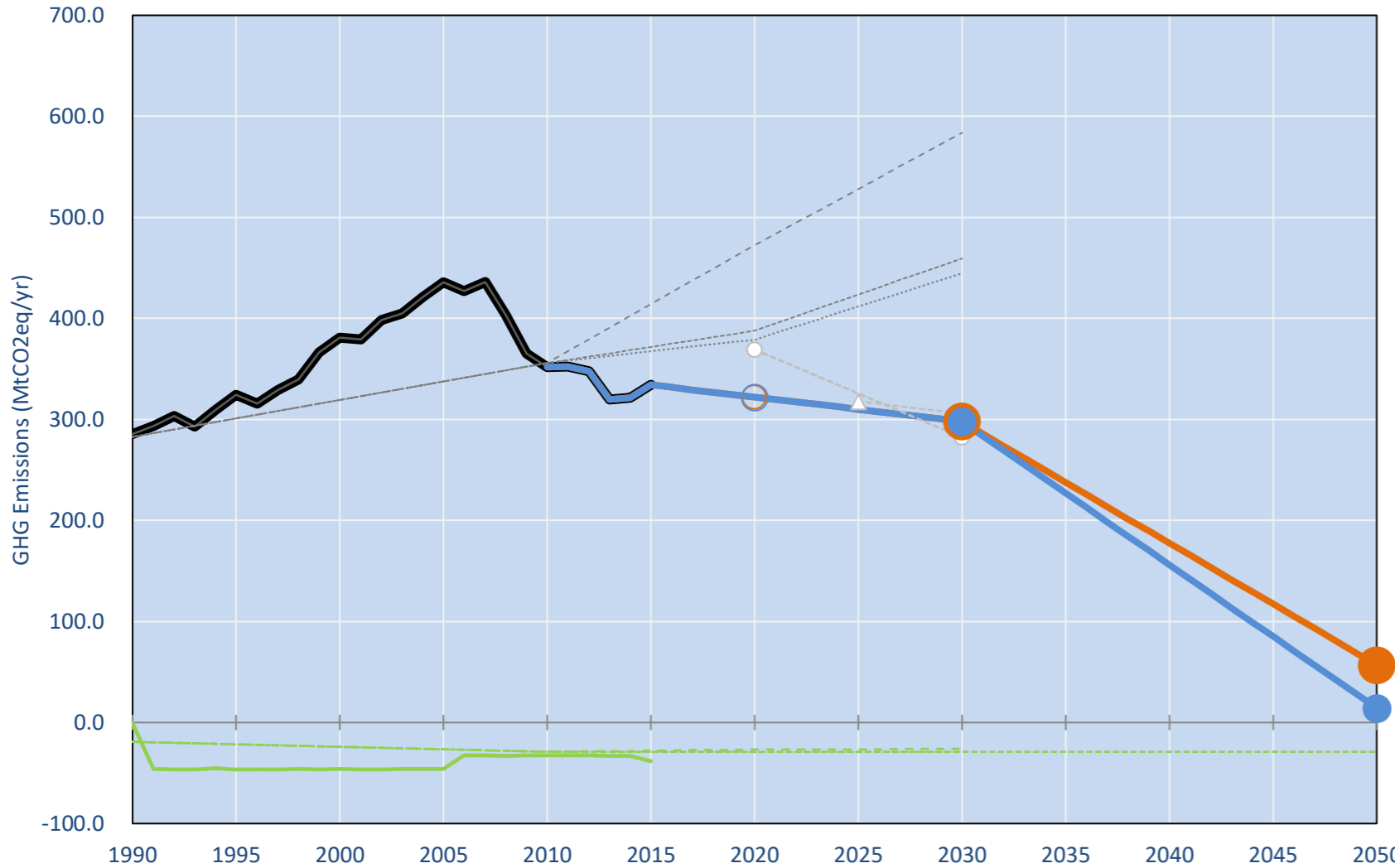
6.7t #66

6.5t #70

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

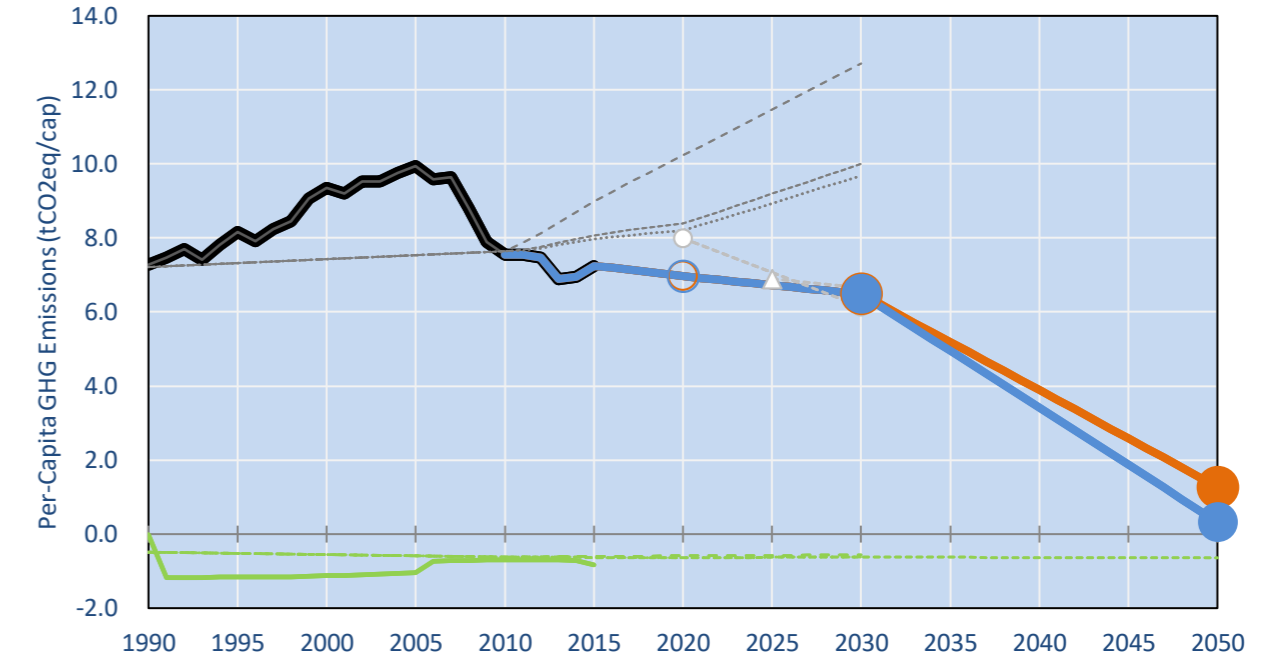
INDC Submitted: 6/03/2015

GHG Emissions

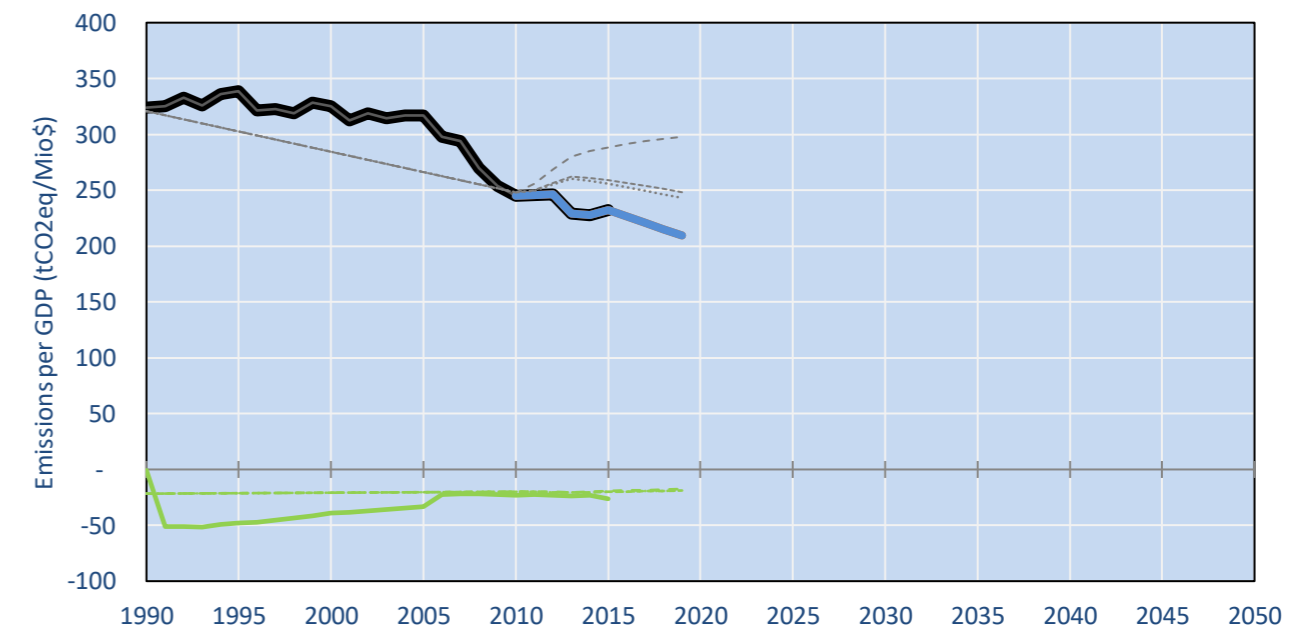


- Reference Total GHG excl. LULUCF
- Historical Covered Emissions, incl. LULUCF, if covered.
- LOW INDC Covered Emissions, incl. LULUCF if covered
- LOW INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH INDC Covered Emissions, incl. LULUCF
- HIGH INDC Covered + Non-Covered Emissions, excl. LULUCF
- Reference LULUCF Emissions
- LOW INDC Levels
- LOW INDC Covered Emissions, excl. LULUCF
- HIGH INDC Levels
- HIGH INDC Covered Emissions, excl. LULUCF
- LOW Cancun Pledges
- HIGH Cancun Pledges
- NM Total excl. LULUCF Projections
- WAM Total excl. LULUCF Projections
- NM LULUCF Projections
- WAM LULUCF Projections
- WAM LULUCF Projections
- Approx. 2030 EU MS target (-28% 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:

| | |
|------------------|-------|
| CO ₂ | 82.5% |
| CH ₄ | 9.6% |
| N ₂ O | 5.7% |
| F-gases | 2.2% |

By Sector:

| | |
|--------------------|-------|
| Cat. 1 Energy | 77.4% |
| Cat. 2, 3, 6 & 7 | 10.6% |
| Cat 4. Agriculture | 9.8% |
| F-gases | 2.2% |

GHG Emissions

| | 1990 | 2000 | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|--|------|------|------|------|------|----------|----------|----------|
| (MtCO ₂ eq/yr in GWP SAR) | | | | | | low high | low high | low high |
| Assumed LULUCF Accounting Credits (-)/Debits (+) | | | | | | 11 - 11 | 16 - 16 | 16 - 16 |
| NDC covered LULUCF Emissions | | | | | | - - | - - | - - |
| NDC covered Emissions excl. LULUCF | 286 | 381 | 436 | 352 | 334 | 322 322 | 310 310 | 298 298 |
| Total GHG excl. LULUCF | 286 | 381 | 436 | 352 | 334 | 322 322 | 310 310 | 298 298 |
| Total GHG incl. LULUCF | 285 | 335 | 390 | 319 | 296 | 293 293 | 281 281 | 269 269 |

Relative GHG Emissions

| | 1990 | 2000 | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|--------------------|------|------|------|------|------|-----------|-----------|-----------|
| Total excl. LULUCF | | | | | | low high | low high | low high |
| Relative 1990 | 100% | 134% | 153% | 123% | 117% | 113% 113% | 109% 109% | 104% 104% |
| Relative 2000 | 75% | 100% | 114% | 92% | 88% | 84% 84% | 81% 81% | 78% 78% |
| Relative 2005 | 65% | 87% | 100% | 81% | 77% | 74% 74% | 71% 71% | 68% 68% |
| Relative 2010 | 81% | 108% | 124% | 100% | 95% | 92% 92% | 88% 88% | 85% 85% |
| Relative 2015 | 85% | 114% | 130% | 105% | 100% | 96% 96% | 93% 93% | 89% 89% |

Per-Capita Emissions

| | 1990 | 2000 | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 |
|--|------|------|------|------|------|----------|----------|----------|
| Total excl. LULUCF | | | | | | low high | low high | low high |
| Population (Mio) | 39 | 41 | 44 | 47 | 46 | 46 46 | 46 46 | 46 46 |
| Per-Capita Emissions (tCO ₂ eq/cap) | 7.3 | 9.4 | 9.9 | 7.5 | 7.2 | 7.0 7.0 | 6.7 6.7 | 6.5 6.5 |
| Relative 1990 | 100% | 128% | 136% | 104% | 99% | 96% 96% | 92% 92% | 89% 89% |
| Relative 2000 | 78% | 100% | 106% | 81% | 77% | 75% 75% | 72% 72% | 69% 69% |
| Relative 2005 | 73% | 94% | 100% | 76% | 73% | 70% 70% | 68% 68% | 65% 65% |
| Relative 2010 | 97% | 124% | 132% | 100% | 96% | 92% 92% | 89% 89% | 86% 86% |
| Relative 2015 | 101% | 129% | 137% | 104% | 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 | Cat5GCMCMWM_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 SAR |
| 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 | | |
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| | | 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 | -19% | CDC | -29% |
| ECPC50 | -6% | ECPC50 | -11% |
| ECPC90 | -14% | ECPC90 | -23% |
| GDR | -91% | GDR | -113% |
| INDC HIGH | -12% | INDC HIGH | -16% |
| INDC LOW | -12% | INDC LOW | -16% |

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