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# 1. **OVERVIEW OF EU CLIMATE TARGETS**

**Table 1: Overview of EU climate targets.**

|  | **International commitments** | | | **EU domestic legislation** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **The EU’s commitment under the Kyoto Protocol** | | **The EU’s commitment under the Paris Agreement** | **2020 Climate and Energy Package** | | | **2030 Climate and Energy Framework** | | | |
| **EU ETS** | **Effort Sharing Decision (ESD)** | | **EU ETS** | | **Effort Sharing Regulation (ESR)** | **LULUCF** |
| **Target year of period** | Second commitment period (2013-2020)  (target for EU-28) | | Already in force – covers the period post 2020 | 2013-2020 | 2013-2020 | | 2021-2030 | | 2021-2030 | 2021-2030 |
| **Emission reduction target** | -20 % | | at least -40 % in 2030 | -21 % in 2020 compared to 2005 for ETS emissions | Annual targets by MS. In 2020 -10 % compared to 2005 for non-ETS emissions | | -43 % in 2030 compared to 2005 for ETS emissions | | Annual targets by MS. In 2030 -30 % compared to 2005 for non-ETS emissions | 0% (no-debit target based on accounting rules) |
| Overall target: -20 % GHG emissions reduction vs 1990" | | | Overall target: at least -40 % domestic GHG emissions reduction vs 1990 | | | |
| **Further targets** | - | | • limiting global warming to well below 2°C.;  • every 5 years to set more ambitious targets as required by science; • report on implementation/ track progress towards the long-term goal through a robust transparency and accountability system.  • balance between anthropogenic emissions by sources and removals by sinks of greenhouse gases in the second half of this century. | Renewable Energy Directive: 20 % share of renewable energy of gross final energy consumption; | | | At least 32 % share of renewable energy in EU energy consumption (with an upward review by 2023); | | | |
| Energy Efficiency Directive : Increase energy efficiency by 20 %. | | | At least 32.5 % improvement in energy efficiency (with an upward review by 2023). | | | |
| **Base year** | 1990, but subject to flexibility rules. 1995 or 2000 may be used as its base year for NF3 | | 1990 | 2005 | | 2005 | 2005 | 2005 | | Subject to accounting rules |
| 1990 for overall emission reduction target | | | 1990 for overall emission reduction target | | | |
| **LULUCF** | Included: afforestation, reforestation and deforestation (ARD) and forest management, other activities if elected  (new accounting rules) | | Included: Contributes to the commitment of decreasing emissions by at least -40%. | Excluded from target, but reported in inventories. | | | Included: Contributes to the commitment of decreasing emissions by at least -40%. | | | |
| **Aviation[[1]](#footnote-1)** | Domestic aviation included. International aviation not attributed. | | Economy-wide action encouraged | EU ETS:  Domestic (national) and some international aviation included. | ESD:  CO2 from domestic aviation excluded | | EU ETS:  Domestic and some international aviation included. | | ESR:  CO2 from domestic aviation excluded Aviation generally excluded |  |
| **Use of international credits** | Use of KP flexible mechanisms subject to KP rules | | The EU will not use international credits (according to its NDC) | Upper limit for credit use for period 2008-2020 at a maximum of 50 % of the reduction effort below 2005 levels | Annual use of carbon credits is limited to up to 3 % of each Member State's ESD emissions in 2005[[[2]](#footnote-2)](file:///C:/Users/veragsi/AppData/Local/Microsoft/Windows/Temporary%20Internet%20Files/Content.MSO/E0DB9A89.xlsx#RANGE!C25) | | No[[3]](#footnote-3) | | No | No |
| **Carry-over of units from preceeding periods[[4]](#footnote-4)** | Subject to KP rules including those agreed in the Doha Amendment | | No | EU ETS allowances can be banked into subsequent ETS trading periods since the second trading period | No carry over from previous period | | Indefinite validity of allowances not limited to trading periods, no need to carry over. | | No | No |
| **Gases covered** | CO2, CH4, N2O, HFCs[[5]](#footnote-5), PFCs, SF6, NF3 | | CO2, CH4, N2O, HFCs, PFCs, SF6, NF3 | CO2, N2O, PFCs, | CO2, CH4, N2O, HFCs, PFCs, SF6 | | CO2, N2O, PFCs, | | CO2, CH4, N2O, HFCs, PFCs, SF6, NF3 | CO2, CH4, N2O |
| **Sectors included** | Energy, IPPU, agriculture, waste, LULUCF | Energy, IPPU, agriculture, waste, LULUCF | Energy, IPPU, agriculture, waste, LULUCF | Power & heat generation, energy-intensive industry sectors, aviation | Transport (except aviation), buildings, non-ETS industry, agriculture (non-CO2) and waste | | Power & heat generation, energy-intensive industry sectors, aviation | | Transport (except aviation), buildings, non-ETS industry, agriculture (non CO2) and waste | Land use, land use change and forestry |
| **GWPs used** | IPCC SAR | IPCC AR4 | IPCC AR5 | IPCC AR4 | | | IPCC AR5 | | | |
| **Applicable to number of MS** | 15 (additional KP targets for single MS) | EU-27, UK[[6]](#footnote-6) and Iceland | EU-27, UK | EU-27, UK[[7]](#footnote-7) | | | EU-27[[8]](#footnote-8) | | | |

# 2. GREENHOUSE GAS EMISSIONS COVERED BY THE KYOTO PROTOCOL AND THE CLIMATE AND ENERGY PACKAGE

**Table 2: Emissions covered by the EU Climate and Energy Package and by the Kyoto Protocol, second commitment period 1990, 2018 and 2020 targets (Mt CO2-eq. and % change from base year emissions)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Base year emissions (Mt CO2-eq.)** | **1990 emissions (Mt CO2-eq.)** | **2018 emissions (Mt CO2-eq.)** | **2018 emissions (% change from base year)** | **2020 targets (Mt CO2-eq.)** | **2020 target (% change from base year)** |
| **Climate and energy package:** |  |  |  |  |  |  |
| Total GHG emissions, including international aviation (EU Convention scope) | 5721 | 5721 | 4392 | 23% | 4577 | -20% |
| **Kyoto Protocol:** |  |  |  |  |  |  |
| Total GHG emissions, excluding international aviation (EU KP scope + Iceland) | 5876 | 5659 | 4234 | 28% | 4701 | -20% |

Table 2 shows progress towards the EU’s 2020 targets as defined under the EU Climate and Energy Package and under the Kyoto Protocol. The differences between the two approaches are described in table 1. Notably, emissions from international aviation are included in the Climate and Energy Package, but excluded under the Kyoto Protocol. The geographical scope of the commitment under the Kyoto protocol includes Iceland and certain regions not included in the Climate and Energy Package.

Under the Kyoto Protocol, base year emissions differs from 1990 because some Member States have used a different base year. Moreover, for NF3 emissions, 1995 or 2000 may have been used as base year.

Under the Kyoto Protocol, Member States also need to account for emissions and removals from certain categories of land use, land use change and forestry (LULUCF) by applying the accounting rules of the Kyoto Protocol. Table 2 does not include emissions and removals from LULUCF. For the EU as a whole, the LULUCF sector has been a net accounted sink in 2013-2018, thereby contributing to achieving the commitment.

# 3. EU GREENHOUSE GAS EMISSIONS BY SECTOR

  
**Figure 1: EU-27 greenhouse gas emissions by sector, historical data (1990-2019) and projections (2020-2030).[[9]](#footnote-9)**

**Figure 2: EU-27 greenhouse gas emissions by sector 2018 (in % of total emissions).[[10]](#footnote-10)**

The sectors used in Figure 1 and 2 correspond to the following IPCC sectors:

* Energy supply: 1A1, 1B and 1C,
* Energy use in manufacturing industries: 1A2,
* Industrial processes and product use: 2,
* Transport: 1A3,
* Other energy use: 1A4, 1A5 and 6,
* Agriculture: 3,
* Waste: 5,
* International aviation: memo item.

# 4. TOTAL GHG EMISSIONS PER MEMBER STATE

**Table 3: Total GHG Emissions 2019, excl. LULUCF, including international aviation (Mt CO2-eq. and % change from 1990 and 2005)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1990** | **2005** | **2019** |  | **2019/1990** | **2019/2005** |  |
| EU-27 | 4912 | 4647 | 3749 |  | -24% | -19% |  |
| Austria | 79 | 94 | 83 |  | 5% | -12% |  |
| Belgium | 150 | 150 | 124 |  | -17% | -17% |  |
| Bulgaria | 103 | 65 | 57 |  | -44% | -12% |  |
| Croatia | 32 | 30 | 25 |  | -22% | -17% |  |
| Cyprus | 6 | 10 | 10 |  | 63% | -2% |  |
| Czechia | 200 | 150 | 132 |  | -34% | -12% |  |
| Denmark | 73 | 69 | 48 |  | -34% | -31% |  |
| Estonia | 40 | 19 | 15 |  | -62% | -20% |  |
| Finland | 72 | 71 | 55 |  | -23% | -22% |  |
| France | 557 | 571 | 459 |  | -18% | -20% |  |
| Germany | 1262 | 1016 | 835 |  | -34% | -18% |  |
| Greece | 106 | 139 | 89 |  | -16% | -36% |  |
| Hungary | 94 | 76 | 64 |  | -32% | -16% |  |
| Ireland | 57 | 72 | 62 |  | 9% | -14% |  |
| Italy | 520 | 595 | 427 |  | -18% | -28% |  |
| Latvia | 27 | 12 | 12 |  | -55% | 0% |  |
| Lithuania | 48 | 23 | 21 |  | -57% | -10% |  |
| Luxembourg | 13 | 14 | 13 |  | -3% | -10% |  |
| Malta | 3 | 3 | 3 |  | -12% | -12% |  |
| Netherlands | 226 | 226 | 196 |  | -13% | -13% |  |
| Poland | 476 | 405 | 394 |  | -17% | -3% |  |
| Portugal | 60 | 88 | 69 |  | 15% | -22% |  |
| Romania | 249 | 152 | 113 |  | -55% | -26% |  |
| Slovakia | 74 | 51 | 42 |  | -43% | -18% |  |
| Slovenia | 19 | 21 | 17 |  | -10% | -18% |  |
| Spain | 294 | 455 | 333 |  | 13% | -27% |  |
| Sweden | 73 | 69 | 53 |  | -27% | -23% |  |

# 5. GREENHOUSE GAS INTENSITY IN THE EU AND ITS MEMBER STATES

  
**Figure 3: Greenhouse gas emissions intensity (i.e. the ratio between emissions and GDP) in the EU and its Member States 1990, 2005 and 2019 (g CO2-eq./ EUR2015).[[11]](#footnote-11)**

# 6. GREENHOUSE GAS EMISSIONS PER CAPITA IN THE EU AND ITS MEMBER STATES

  
**Figure 4: Greenhouse gas emissions per capita in the EU and its Member States 1990, 2005 and 2019 (tonnes CO2-eq. per capita).[[12]](#footnote-12)**

# 7. EU ETS EMISSIONS

**Table 4: Verified ETS emissions from stationary installations (Mt CO2-eq. and percentage change from year X-1).**



# 8. EMISSIONS COVERED BY THE EFFORT SHARING LEGISLATION

In 2019 and 2020, Member States have submitted projections in the context of the NECPs and of the Monitoring Mechanism Regulation (EU) No. 525/2013 (MMR) Effort Sharing legislation. The aggregated “with existing measures” projections for effort sharing sectors are based on the GHG projection submissions under the MMR Monitoring Mechanism Regulation (EU) No. 525/2013 or the NECPs, whichever is more recent.

13 Member States reported updated GHG projections in 2020 (AT, BE, CY, DK, EE, EL, HU, IE, LV, LT, LU, PL and SI). The aggregated planned measures are based on the 2030 greenhouse gas projections “with additional measures” for effort sharing sectors that were included in the NECPs. If Member States provided projections in March 2020 under the MMR calibrated to more recent inventory data, these were used.

For the few Member States for which projections of planned measures for effort sharing sectors are not available (DK, NL, PT, RO, SE, SK), the following gap-fillers were applied: ESR targets for DK, NL and RO, as the targets set in the NECPs imply fulfilling the ESR targets domestically, national domestic ESR targets (SK), with additional measures projections submitted under the MMR in 2019 (PT).

For SE with existing measures projections submitted in March 2019 are presented; certain measures have been implemented or planned to achieve the domestic target for ESR sectors of at least -50% reductions since then which will only be reflected in updated projections in March 2021.

For Bulgaria it is noted that the WEM projection has lower emissions than the WAM projection. One reason is that they stem from different modelling exercises, WEM from the 2019 MMR submission and WAM from the final NECP.

The 2005 base year values as used under the Effort Sharing Decision and published in the accompanying Staff Working Document e.g. in SWD(2018)453 have been used unless Member State updates thereof based on more recent inventories are available from the NECPs.

**Table 5: Member States targets, historical and projected emissions under the effort-sharing legislation and distance to targets in percentage change from 2005 base year emissions. Positive values indicate projected overachievement while negative values indicate projected underachievement. WEM = with existing measures, WAM = with additional measures.**

| **Member State** | | **2017** | | **2018** | | **2019 (preliminary)** | | **2030 (projections WEM)** | | **2030 (projections WMM)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Austria** |  | |  | |  | |  | |  | |
| Target | -13% | | -14% | | -15% | | -36% | | -36% | |
| Emissions | -9% | | -11% | | -11% | | -16% | | -27% | |
| Distance to target (pp) | -4% | | -2% | | -4% | | -20% | | -9% | |
| **Belgium** |  | |  | |  | |  | |  | |
| Target | -10% | | -11% | | -13% | | -35% | | -35% | |
| Emissions | -12% | | -8% | | -7% | | -14% | | -34% | |
| Distance to target (pp) | 2% | | -4% | | -6% | | -21% | | -1% | |
| **Bulgaria** |  | |  | |  | |  | |  | |
| Target | 17% | | 18% | | 19% | | 0% | | 0% | |
| Emissions | 20% | | 19% | | 23% | | 8% | | 14% | |
| Distance to target (pp) | -3% | | -1% | | -4% | | -8% | | -14% | |
| **Croatia** |  | |  | |  | |  | |  | |
| Target | 7% | | 9% | | 10% | | -7% | | -7% | |
| Emissions | -4% | | -7% | | -3% | | -13% | | -19% | |
| Distance to target (pp) | 12% | | 15% | | 13% | | 6% | | 12% | |
| **Cyprus** |  | |  | |  | |  | |  | |
| Target | 0% | | -1% | | -3% | | -24% | | -24% | |
| Emissions | 2% | | -1% | | 3% | | -7% | | -21% | |
| Distance to target (pp) | -2% | | -1% | | -6% | | -17% | | -3% | |
| **Czechia** |  | |  | |  | |  | |  | |
| Target | 6% | | 7% | | 8% | | -14% | | -14% | |
| Emissions | 1% | | -2% | | 10% | | -12% | | -14% | |
| Distance to target (pp) | 5% | | 9% | | -2% | | -2% | | 0% | |
| **Denmark** |  | |  | |  | |  | |  | |
| Target | -13% | | -15% | | -18% | | -39% | | -39% | |
| Emissions | -18% | | -17% | | -19% | | -23% | | -39% | |
| Distance to target (pp) | 5% | | 2% | | 1% | | -16% | | 0% | |
| **Estonia** |  | |  | |  | |  | |  | |
| Target | 9% | | 10% | | 10% | | -13% | | -13% | |
| Emissions | 14% | | 13% | | 20% | | -6% | | -20% | |
| Distance to target (pp) | -5% | | -3% | | -10% | | -7% | | 7% | |
| **Finland** |  | |  | |  | |  | |  | |
| Target | -11% | | -13% | | -14% | | -39% | | -39% | |
| Emissions | -11% | | -12% | | -14% | | -24% | | -37% | |
| Distance to target (pp) | 0% | | -1% | | -1% | | -15% | | -2% | |
| **France** |  | |  | |  | |  | |  | |
| Target | -10% | | -11% | | -13% | | -37% | | -37% | |
| Emissions | -11% | | -14% | | -14% | | -23% | | -41% | |
| Distance to target (pp) | 1% | | 3% | | 2% | | -14% | | 4% | |
| **Germany** |  | |  | |  | |  | |  | |
| Target | -10% | | -11% | | -13% | | -38% | | -38% | |
| Emissions | -2% | | -9% | | -8% | | -24% | | -35% | |
| Distance to target (pp) | -7% | | -2% | | -5% | | -14% | | -3% | |
| **Greece** |  | |  | |  | |  | |  | |
| Target | -5% | | -5% | | -4% | | -16% | | -16% | |
| Emissions | -27% | | -29% | | -29% | | -25% | | -34% | |
| Distance to target (pp) | 22% | | 24% | | 25% | | 9% | | 18% | |
| **Hungary** |  | |  | |  | |  | |  | |
| Target | 4% | | 6% | | 8% | | -7% | | -7% | |
| Emissions | -10% | | -10% | | -9% | | -8% | | -23% | |
| Distance to target (pp) | 14% | | 16% | | 18% | | 1% | | 16% | |
| **Ireland** |  | |  | |  | |  | |  | |
| Target | -13% | | -15% | | -18% | | -30% | | -30% | |
| Emissions | -7% | | -4% | | -5% | | -6% | | -29% | |
| Distance to target (pp) | -6% | | -12% | | -12% | | -24% | | -1% | |
| **Italy** |  | |  | |  | |  | |  | |
| Target | -11% | | -12% | | -12% | | -33% | | -33% | |
| Emissions | -19% | | -17% | | -19% | | -27% | | -35% | |
| Distance to target (pp) | 8% | | 5% | | 6% | | -6% | | 2% | |
| **Latvia** |  | |  | |  | |  | |  | |
| Target | 14% | | 15% | | 16% | | -6% | | -6% | |
| Emissions | 8% | | 7% | | 6% | | -7% | | -13% | |
| Distance to target (pp) | 6% | | 8% | | 10% | | 1% | | 7% | |
| **Lithuania** |  | |  | |  | |  | |  | |
| Target | 7% | | 9% | | 12% | | -9% | | -9% | |
| Emissions | 7% | | 8% | | 8% | | 2% | | -24% | |
| Distance to target (pp) | 0% | | 2% | | 4% | | -11% | | 15% | |
| **Luxembourg** |  | |  | |  | |  | |  | |
| Target | -14% | | -16% | | -18% | | -40% | | -40% | |
| Emissions | -14% | | -11% | | -9% | | -16% | | -53% | |
| Distance to target (pp) | 0% | | -5% | | -9% | | -24% | | 13% | |
| **Malta** |  | |  | |  | |  | |  | |
| Target | 5% | | 5% | | 5% | | -19% | | -19% | |
| Emissions | 28% | | 24% | | 24% | | 47% | | 41% | |
| Distance to target (pp) | -23% | | -19% | | -19% | | -66% | | -60% | |
| **Netherlands** |  | |  | |  | |  | |  | |
| Target | -11% | | -13% | | -14% | | -36% | | -36% | |
| Emissions | -20% | | -22% | | -22% | | -31% | | -36% | |
| Distance to target (pp) | 9% | | 9% | | 7% | | -5% | | 0% | |
| **Poland** |  | |  | |  | |  | |  | |
| Target | 11% | | 12% | | 13% | | -7% | | -7% | |
| Emissions | 18% | | 18% | | 15% | | 11% | | -7% | |
| Distance to target (pp) | -6% | | -6% | | -2% | | -18% | | 0% | |
| **Portugal** |  | |  | |  | |  | |  | |
| Target | -1% | | -1% | | 0% | | -17% | | -17% | |
| Emissions | -17% | | -17% | | -14% | | -40% | | -47% | |
| Distance to target (pp) | 16% | | 16% | | 15% | | 23% | | 30% | |
| **Romania** |  | |  | |  | |  | |  | |
| Target | 11% | | 14% | | 16% | | -2% | | -2% | |
| Emissions | 0% | | 3% | | 0% | | 10% | | -2% | |
| Distance to target (pp) | 12% | | 11% | | 16% | | -12% | | 0% | |
| **Slovakia** |  | |  | |  | |  | |  | |
| Target | 9% | | 10% | | 12% | | -12% | | -12% | |
| Emissions | -7% | | -8% | | -5% | | -12% | | -20% | |
| Distance to target (pp) | 17% | | 19% | | 17% | | 0% | | 8% | |
| **Slovenia** |  | |  | |  | |  | |  | |
| Target | 3% | | 3% | | 4% | | -15% | | -15% | |
| Emissions | -8% | | -7% | | -9% | | -10% | | -26% | |
| Distance to target (pp) | 11% | | 10% | | 12% | | -5% | | 11% | |
| **Spain** |  | |  | |  | |  | |  | |
| **Target** | -8% | | -8% | | -9% | | -26% | | -26% | |
| Emissions | -15% | | -14% | | -15% | | -21% | | -39% | |
| Distance to target (pp) | 7% | | 6% | | 6% | | -5% | | 13% | |
| **Sweden** |  | |  | |  | |  | |  | |
| Target | -13% | | -14% | | -16% | | -40% | | -40% | |
| Emissions | -25% | | -28% | | -30% | | -40% | | -40% | |
| Distance to target (pp) | 12% | | 13% | | 14% | | 0% | | 0% | |
| **EU 27** |  | |  | |  | |  | |  | |
| Target | -6% | | -7% | | -7% | | -29% | | -29% | |
| Emissions | -9% | | -10% | | -10% | | -19% | | -32% | |
| Distance to target (pp) | 3% | | 3% | | 3% | | -10% | | 3% | |

**Table 6: Annual emissions allocations[[13]](#footnote-13), historical and projected emissions and distance to targets under the Effort Sharing Decision (Mt. CO2-eq.). Positive gap to target indicate projected overachievement, negative values indicate projected underachievement. WEM = with existing measures, WAM = with additional measures.**

| **Member State** | **2005 base year emissions** | | **2013** | | **2014** | **2015** | | **2016** | **2017** | **2018**  **(preliminary)** | **2019**  **(proxy inventory)** | **2020** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Austria** |  |  | | |  |  |  | |  |  |  |  |
| AEA |  | 52,6 | | | 52,1 | 51,5 | 51,0 | | 49,5 | 48,9 | 48,3 | 47,8 |
| Emissions | 56,8 | 50,1 | | | 48,2 | 49,3 | 50,6 | | 51,7 | 50,3 | 50,7 |  |
| Distance to target |  | 2,5 | | | 3,9 | 2,2 | 0,4 | | -2,1 | -1,4 | -2,4 |  |
| Cumulative surplus of AEAs |  | 2,5 | | | 6,4 | 8,7 | 9,0 | | 6,9 | 5,5 | 3,1 |  |
| **Belgium** |  |  | | |  |  |  | |  |  |  |  |
| AEA |  | 78,4 | | | 76,9 | 75,3 | 73,8 | | 72,5 | 71,1 | 69,7 | 68,2 |
| Emissions | 80,3 | 74,3 | | | 70,1 | 72,7 | 74,1 | | 70,8 | 74,3 | 74,3 |  |
| Distance to target |  | 4,1 | | | 6,8 | 2,6 | -0,3 | | 1,7 | -3,2 | -4,6 |  |
| Cumulative surplus of AEAs |  | 4,1 | | | 10,9 | 13,5 | 13,2 | | 14,9 | 11,7 | 7,1 |  |
| **Bulgaria** |  |  | | |  |  |  | |  |  |  |  |
| AEA |  | 26,9 | | | 27,2 | 27,5 | 27,7 | | 25,9 | 26,1 | 26,3 | 26,5 |
| Emissions | 22,1 | 22,2 | | | 22,9 | 25,4 | 25,6 | | 26,5 | 26,3 | 27,1 |  |
| Distance to target |  | 4,7 | | | 4,3 | 2,1 | 2,1 | | -0,6 | -0,2 | -0,8 |  |
| Cumulative surplus of AEAs |  | 4,7 | | | 9,0 | 11,1 | 13,3 | | 12,6 | 12,4 | 11,6 |  |
| **Croatia** |  |  | | |  |  |  | |  |  |  |  |
| AEA |  | 19,6 | | | 19,8 | 20,0 | 20,2 | | 18,7 | 18,9 | 19,1 | 19,3 |
| Emissions | 17,4 | 15,1 | | | 14,7 | 15,6 | 16,0 | | 16,7 | 16,2 | 16,8 |  |
| Distance to target |  | 4,5 | | | 5,1 | 4,4 | 4,2 | | 2,0 | 2,7 | 2,3 |  |
| Cumulative surplus of AEAs |  | 4,5 | | | 9,6 | 14,1 | 18,2 | | 20,3 | 22,9 | 25,2 |  |
| **Cyprus** |  |  | | |  |  |  | |  |  |  |  |
| AEA |  | 5,9 | | | 5,9 | 5,9 | 5,9 | | 4,2 | 4,1 | 4,0 | 4,0 |
| Emissions | 4,2 | 3,9 | | | 3,9 | 4,1 | 4,1 | | 4,3 | 4,2 | 4,3 |  |
| Distance to target |  | 2,0 | | | 2,0 | 1,9 | 1,8 | | -0,1 | 0,0 | -0,3 |  |
| Cumulative surplus of AEAs |  | 2,0 | | | 4,0 | 5,8 | 7,7 | | 7,6 | 7,5 | 7,3 |  |
| **Czechia** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 62,5 | | 63,2 | | 64,0 | 64,7 | | 65,2 | 65,9 | 66,5 | 67,2 |
| Emissions | 61,7 | 61,5 | | 57,6 | | 61,3 | 62,8 | | 62,4 | 60,6 | 67,8 |  |
| Distance to target |  | 1,0 | | 5,6 | | 2,7 | 1,9 | | 2,8 | 5,3 | -1,2 |  |
| Cumulative surplus of AEAs |  | 1,0 | | 6,6 | | 9,3 | 11,2 | | 14,0 | 19,2 | 18,0 |  |
| **Denmark** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 36,8 | | 35,9 | | 35,0 | 34,1 | | 34,8 | 33,9 | 33,0 | 32,1 |
| Emissions | 40,1 | 33,7 | | 32,6 | | 32,5 | 33,1 | | 32,7 | 33,1 | 32,5 |  |
| Distance to target |  | 3,1 | | 3,3 | | 2,5 | 1,0 | | 2,1 | 0,7 | 0,5 |  |
| Cumulative surplus of AEAs |  | 3,1 | | 6,4 | | 8,9 | 9,9 | | 12,0 | 12,7 | 13,2 |  |
| **Estonia** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 6,3 | | 6,3 | | 6,3 | 6,4 | | 5,9 | 6,0 | 6,0 | 6,0 |
| Emissions | 5,4 | 5,8 | | 6,1 | | 6,1 | 6,2 | | 6,2 | 6,1 | 6,5 |  |
| Distance to target |  | 0,5 | | 0,2 | | 0,2 | 0,2 | | -0,3 | -0,2 | -0,5 |  |
| Cumulative surplus of AEAs |  | 0,5 | | 0,8 | | 1,0 | 1,1 | | 0,9 | 0,7 | 0,2 |  |
| **Finland** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 31,8 | | 31,3 | | 30,8 | 30,3 | | 30,2 | 29,6 | 29,1 | 28,5 |
| Emissions | 33,9 | 31,6 | | 30,1 | | 29,9 | 31,4 | | 30,1 | 29,9 | 29,3 |  |
| Distance to target |  | 0,2 | | 1,1 | | 0,9 | -1,0 | | 0,1 | -0,3 | -0,3 |  |
| Cumulative surplus of AEAs |  | 0,2 | | 1,3 | | 2,2 | 1,2 | | 1,3 | 1,0 | 0,8 |  |
| **France** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 394,1 | | 389,5 | | 384,4 | 379,4 | | 358,2 | 352,9 | 347,7 | 342,5 |
| Emissions | 398,2 | 366,1 | | 353,5 | | 353,0 | 351,9 | | 352,8 | 342,2 | 341,1 |  |
| Distance to target |  | 28,0 | | 35,9 | | 31,4 | 27,5 | | 5,4 | 10,7 | 6,6 |  |
| Cumulative surplus of AEAs |  | 28,0 | | 63,9 | | 95,3 | 122,8 | | 128,2 | 138,9 | 145,5 |  |
| **Germany** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 472,5 | | 465,8 | | 459,1 | 452,4 | | 432,3 | 425,2 | 418,1 | 410,9 |
| Emissions | 477,8 | 460,2 | | 436,8 | | 444,1 | 454,2 | | 466,9 | 434,0 | 439,7 |  |
| Distance to target |  | 12,3 | | 29,0 | | 15,1 | -1,7 | | -34,5 | -8,8 | -21,6 |  |
| Cumulative surplus of AEAs |  | 12,3 | | 41,4 | | 56,4 | 54,7 | | 20,2 | 11,3 | -10,3 |  |
| **Greece** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 59,0 | | 59,3 | | 59,6 | 59,9 | | 59,1 | 59,4 | 59,7 | 60,0 |
| Emissions | 62,6 | 44,2 | | 44,4 | | 45,4 | 44,9 | | 45,4 | 44,7 | 44,3 |  |
| Distance to target |  | 14,8 | | 14,9 | | 14,2 | 15,0 | | 13,7 | 14,7 | 15,5 |  |
| Cumulative surplus of AEAs |  | 14,8 | | 29,6 | | 43,8 | 58,8 | | 72,5 | 87,3 | 102,7 |  |
| **Hungary** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 50,4 | | 51,5 | | 52,6 | 53,8 | | 50,1 | 51,0 | 51,9 | 52,8 |
| Emissions | 48,0 | 38,4 | | 38,4 | | 41,4 | 42,1 | | 43,1 | 43,2 | 43,5 |  |
| Distance to target |  | 12,0 | | 13,1 | | 11,2 | 11,7 | | 6,9 | 7,7 | 8,4 |  |
| Cumulative surplus of AEAs |  | 12,0 | | 25,1 | | 36,3 | 47,9 | | 54,9 | 62,6 | 71,0 |  |
| **Ireland** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 46,9 | | 45,8 | | 44,6 | 43,5 | | 40,9 | 39,8 | 38,7 | 37,7 |
| Emissions | 47,1 | 42,2 | | 41,7 | | 43,0 | 43,8 | | 43,8 | 45,4 | 44,6 |  |
| Distance to target |  | 4,7 | | 4,1 | | 1,6 | -0,3 | | -2,9 | -5,6 | -5,8 |  |
| Cumulative surplus of AEAs |  | 4,7 | | 8,8 | | 10,4 | 10,1 | | 7,1 | 1,6 | -4,3 |  |
| **Italy** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 308,2 | | 306,2 | | 304,2 | 302,3 | | 298,3 | 295,8 | 293,4 | 291,0 |
| Emissions | 334,5 | 273,3 | | 265,3 | | 273,3 | 270,7 | | 270,1 | 278,7 | 272,3 |  |
| Distance to target |  | 34,8 | | 40,9 | | 31,0 | 31,6 | | 28,1 | 17,1 | 21,1 |  |
| Cumulative surplus of AEAs |  | 34,8 | | 75,7 | | 106,7 | 138,3 | | 166,4 | 183,5 | 204,6 |  |
| **Latvia** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 9,3 | | 9,4 | | 9,4 | 9,5 | | 9,7 | 9,8 | 9,9 | 10,0 |
| Emissions | 8,5 | 8,8 | | 9,0 | | 9,0 | 9,1 | | 9,2 | 9,1 | 9,0 |  |
| Distance to target |  | 0,5 | | 0,3 | | 0,4 | 0,4 | | 0,5 | 0,7 | 0,9 |  |
| Cumulative surplus of AEAs |  | 0,5 | | 0,8 | | 1,3 | 1,7 | | 2,2 | 2,9 | 3,7 |  |
| **Lithuania** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 12,9 | | 13,3 | | 13,7 | 14,0 | | 14,1 | 14,5 | 14,9 | 15,2 |
| Emissions | 13,3 | 12,4 | | 12,9 | | 13,3 | 13,9 | | 14,1 | 14,3 | 14,4 |  |
| Distance to target |  | 0,5 | | 0,4 | | 0,4 | 0,1 | | 0,0 | 0,2 | 0,5 |  |
| Cumulative surplus of AEAs |  | 0,5 | | 0,9 | | 1,3 | 1,4 | | 1,4 | 1,6 | 2,1 |  |
| **Luxembourg** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 9,5 | | 9,3 | | 9,1 | 8,9 | | 8,7 | 8,5 | 8,3 | 8,1 |
| Emissions | 10,1 | 9,4 | | 8,9 | | 8,6 | 8,5 | | 8,7 | 9,1 | 9,2 |  |
| Distance to target |  | 0,2 | | 0,5 | | 0,5 | 0,4 | | 0,0 | -0,5 | -0,9 |  |
| Cumulative surplus of AEAs |  | 0,2 | | 0,7 | | 1,2 | 1,6 | | 1,6 | 1,1 | 0,2 |  |
| **Malta** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 1,2 | | 1,2 | | 1,2 | 1,2 | | 1,2 | 1,2 | 1,2 | 1,2 |
| Emissions | 1,1 | 1,3 | | 1,3 | | 1,3 | 1,3 | | 1,4 | 1,4 | 1,4 |  |
| Distance to target |  | -0,1 | | -0,1 | | -0,1 | -0,2 | | -0,3 | -0,2 | -0,2 |  |
| Cumulative surplus of AEAs |  | -0,1 | | -0,2 | | -0,3 | -0,5 | | -0,8 | -1,0 | -1,2 |  |
| **Netherlands** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 122,9 | | 120,7 | | 118,4 | 116,1 | | 114,1 | 111,8 | 109,6 | 107,4 |
| Emissions | 127,8 | 108,3 | | 97,9 | | 101,1 | 101,3 | | 102,3 | 99,7 | 100,2 |  |
| Distance to target |  | 14,7 | | 22,8 | | 17,3 | 14,8 | | 11,7 | 12,1 | 9,4 |  |
| Cumulative surplus of AEAs |  | 14,7 | | 37,5 | | 54,8 | 69,6 | | 81,3 | 93,4 | 102,8 |  |
| **Poland** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 193,6 | | 194,9 | | 196,1 | 197,4 | | 200,0 | 201,7 | 203,4 | 205,2 |
| Emissions | 180,0 | 186,1 | | 181,5 | | 186,8 | 198,7 | | 211,5 | 213,0 | 206,9 |  |
| Distance to target |  | 7,5 | | 13,3 | | 9,4 | -1,3 | | -11,5 | -11,3 | -3,4 |  |
| Cumulative surplus of AEAs |  | 7,5 | | 20,9 | | 30,2 | 29,0 | | 17,4 | 6,1 | 2,7 |  |
| **Portugal** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 49,3 | | 49,6 | | 49,9 | 50,1 | | 47,9 | 48,3 | 48,7 | 49,1 |
| Emissions | 48,6 | 38,6 | | 38,8 | | 40,6 | 41,6 | | 40,2 | 40,6 | 41,6 |  |
| Distance to target |  | 10,7 | | 10,8 | | 9,2 | 8,6 | | 7,7 | 7,7 | 7,1 |  |
| Cumulative surplus of AEAs |  | 10,7 | | 21,5 | | 30,7 | 39,3 | | 47,0 | 54,7 | 61,8 |  |
| **Romania** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 75,6 | | 77,5 | | 79,3 | 81,1 | | 84,1 | 86,0 | 87,9 | 89,8 |
| Emissions | 75,5 | 72,7 | | 72,5 | | 74,6 | 73,1 | | 75,4 | 77,6 | 75,5 |  |
| Distance to target |  | 2,9 | | 4,9 | | 4,7 | 8,0 | | 8,7 | 8,7 | 12,4 |  |
| Cumulative surplus of AEAs |  | 2,9 | | 7,8 | | 12,5 | 20,5 | | 29,2 | 37,5 | 50,0 |  |
| **Slovakia** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 24,0 | | 24,4 | | 24,7 | 25,1 | | 25,0 | 25,3 | 25,6 | 25,9 |
| Emissions | 23,0 | 21,1 | | 19,8 | | 20,1 | 19,8 | | 21,2 | 21,1 | 21,8 |  |
| Distance to target |  | 2,9 | | 4,6 | | 4,7 | 5,3 | | 3,8 | 4,3 | 3,9 |  |
| Cumulative surplus of AEAs |  | 2,9 | | 7,5 | | 12,2 | 17,5 | | 21,3 | 25,6 | 29,5 |  |
| **Slovenia** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 12,3 | | 12,4 | | 12,4 | 12,4 | | 12,2 | 12,2 | 12,3 | 12,3 |
| Emissions | 11,8 | 10,9 | | 10,5 | | 10,7 | 11,2 | | 10,9 | 11,0 | 10,8 |  |
| Distance to target |  | 1,4 | | 1,9 | | 1,7 | 1,2 | | 1,3 | 1,2 | 1,5 |  |
| Cumulative surplus of AEAs |  | 1,4 | | 3,3 | | 4,9 | 6,1 | | 7,4 | 8,6 | 10,1 |  |
| **Spain** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 227,6 | | 225,6 | | 223,7 | 221,8 | | 218,3 | 216,3 | 214,3 | 212,4 |
| Emissions | 236,0 | 200,3 | | 199,8 | | 196,2 | 198,5 | | 201,1 | 203,0 | 200,9 |  |
| Distance to target |  | 27,3 | | 25,9 | | 27,6 | 23,3 | | 17,2 | 13,3 | 13,4 |  |
| Cumulative surplus of AEAs |  | 27,3 | | 53,2 | | 80,8 | 104,1 | | 121,3 | 134,5 | 148,0 |  |
| **Sweden** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 41,7 | | 41,0 | | 40,4 | 39,8 | | 37,8 | 37,2 | 36,7 | 36,1 |
| Emissions | 43,5 | 35,3 | | 34,5 | | 33,9 | 32,6 | | 32,5 | 31,4 | 30,5 |  |
| Distance to target |  | 6,4 | | 6,5 | | 6,5 | 7,2 | | 5,3 | 5,8 | 6,2 |  |
| Cumulative surplus of AEAs |  | 6,4 | | 12,9 | | 19,4 | 26,6 | | 31,9 | 37,7 | 43,8 |  |
| **United Kingdom** |  |  | |  | |  |  | |  |  |  |  |
| AEA |  | 358,7 | | 354,2 | | 349,7 | 345,2 | | 360,4 | 357,2 | 354,1 | 350,9 |
| Emissions | 417,8 | 339,5 | | 324,4 | | 326,0 | 333,9 | | 332,1 | 329,9 | 326,8 |  |
| Distance to target |  | 19,3 | | 29,8 | | 23,7 | 11,3 | | 28,4 | 27,4 | 27,3 |  |
| Cumulative surplus of AEAs |  | 19,3 | | 49,1 | | 72,7 | 84,0 | | 112,4 | 139,7 | 167,0 |  |

# 9. USE OF REVENUES FROM AUCTIONING OF ETS ALLOWANCES

Table 7: Member States' revenues from auctioning of ETS allowances (EUR million), amounts spent on climate and energy purposes (EUR million) and share of the revenues spent on climate and energy purposes (%), 2013-2019.[[14]](#footnote-14)

| **Member State** | **2013** | **2014** | **2015** | **2016** | **2017** | **2018** | **2019** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Austria\*[[15]](#footnote-15)** |  |  |  |  |  |  |  |
| Total revenues | 55,8 | 53,6 | 78,6 | 59,5 | 157,4 | 210,4 | 183,8 |
| Amount spent on climate and energy | 37,0 | 54,8 | 79,8 | 59,9 |  |  |  |
| Share spent on climate and energy | 66% | 102% | 102% | 101% |  |  |  |
| **Belgium** |  |  |  |  |  |  |  |
| Total revenues | 115,0 | 97,1 | 141,6 | 107,9 | 145,1 | 381,5 | 356,8 |
| Amount spent on climate and energy | 0,0 | 0,0 | 0,0 | 37,5 | 133,1 | 213,7 | 357,8 |
| Share spent on climate and energy | 0% | 0% | 0% | 35% | 92% | 56% | 100% |
| **Bulgaria** |  |  |  |  |  |  |  |
| Total revenues | 52,6 | 36,4 | 121,8 | 85,3 | 130,4 | 368,2 | 440,3 |
| Amount spent on climate and energy | 51,3 | 36,2 | 103,5 | 94,1 | 138,2 | 368,2 | 440,3 |
| Share spent on climate and energy | 97% | 99% | 85% | 110% | 106% | 100% | 100% |
| **Croatia[[16]](#footnote-16)** |  |  |  |  |  |  |  |
| Total revenues | N/A | N/A | 87.0 | 20.3 | 27.2 | 71.5 | 72.7 |
| Amount spent on climate and energy | N/A | N/A | 50.8 | 46.1 | 18.9 | 29.0 | 13.4 |
| Share spent on climate and energy | N/A | N/A | 100% | 100% | 100% | 100% | 100% |
| **Cyprus** |  |  |  |  |  |  |  |
| Total revenues | 1,9 | 0,7 | 1,4 | 0,4 | 6,4 | 26,0 | 26,1 |
| Amount spent on climate and energy | 0,5 | 0,4 | 2,8 | 0,3 | 0,8 | 6,4 |  |
| Share spent on climate and energy | 28% | 55% | 195% | 88% | 12% | 25% |  |
| **Czechia** |  |  |  |  |  |  |  |
| Total revenues | 80,7 | 55,7 | 111,5 | 118,0 | 199,8 | 584,4 | 630,4 |
| Amount spent on climate and energy | 73,2 | 26,9 | 110,9 | 117,4 | 199,8 | 367,3 | 408,4 |
| Share spent on climate and energy | 91% | 48% | 99% | 100% | 100% | 63% | 65% |
| **Denmark\*** |  |  |  |  |  |  |  |
| Total revenues | 56,0 | 48,1 | 71,3 | 53,7 | 71,7 | 189,8 | 166,1 |
| Amount spent on climate and energy | 56,0 | 48,1 | 71,3 | 53,7 | 71,7 | 189,8 | 166,1 |
| Share spent on climate and energy | 100% | 100% | 100% | 100% | 100% | 100% | 100% |
| **Estonia** |  |  |  |  |  |  |  |
| Total revenues | 18,1 | 7,4 | 21,3 | 23,6 | 39,4 | 141,3 | 142,8 |
| Amount spent on climate and energy | 9,0 | 3,6 | 9,5 | 12,4 | 15,9 | 53,3 | 64,5 |
| Share spent on climate and energy | 50% | 49% | 44% | 52% | 40% | 38% | 45% |
| **Finland\*** |  |  |  |  |  |  |  |
| Total revenues | 67,0 | 63,5 | 93,8 | 71,2 | 95,3 | 251,8 | 219,9 |
| Amount spent on climate and energy | 2,0 | 31,1 | 93,8 | 71,2 | 9,5 | 251,8 | 219,9 |
| Share spent on climate and energy | 3% | 49% | 100% | 100% | 10% | 100% | 100% |
| **France** |  |  |  |  |  |  |  |
| Total revenues | 219,2 | 215,3 | 312,1 | 234,7 | 313,4 | 829,6 | 726,5 |
| Amount spent on climate and energy | 219,2 | 215,3 | 312,1 | 0,0 | 313,4 | 550,0 | 420,0 |
| Share spent on climate and energy | 100% | 100% | 100% | 0% | 100% | 66% | 58% |
| **Germany** |  |  |  |  |  |  |  |
| Total revenues | 790,9 | 750,0 | 1110,2 | 850,4 | 1146,8 | 2581,7 | 3164,0 |
| Amount spent on climate and energy | 790,9 | 750,0 | 1110,2 | 845,6 | 1130,8 | 2563,0 | 3147,2 |
| Share spent on climate and energy | 100% | 100% | 100% | 99% | 99% | 99% | 99% |
| **Greece** |  |  |  |  |  |  |  |
| Total revenues | 147,6 | 131,1 | 195,2 | 148,1 | 198,0 | 523,5 | 509,5 |
| Amount spent on climate and energy | 142,5 | 116,7 | 177,2 | 148,1 | 198,0 | 523,5 | 509,5 |
| Share spent on climate and energy | 97% | 89% | 91% | 100% | 100% | 100% | 100% |
| **Hungary** |  |  |  |  |  |  |  |
| Total revenues | 49,4 | 56,5 | 83,3 | 63,4 | 85,1 | 226,5 | 228,0 |
| Amount spent on climate and energy | 17,3 | 13,1 | 32,8 | 22,4 | 68,1 | 65,9 | 74,0 |
| Share spent on climate and energy | 35% | 23% | 39% | 35% | 80% | 29% | 32% |
| **Ireland\*** |  |  |  |  |  |  |  |
| Total revenues | 41,7 | 36,0 | 41,7 | 40,1 | 53,6 | 142,1 | 124,3 |
| Amount spent on climate and energy | 41,7 | 36,0 | 41,7 | 40,1 | 53,6 | 142,1 | 124,3 |
| Share spent on climate and energy | 100% | 100% | 100% | 100% | 100% | 100% | 100% |
| **Italy** |  |  |  |  |  |  |  |
| Total revenues | 427,9 | 408,6 | 543,4 | 411,2 | 549,8 | 1453,4 | 1289,0 |
| Amount spent on climate and energy | 214,7 | 207,5 | 0,0 | 118,1 | 383,7 | 148,4 | 148,1 |
| Share spent on climate and energy | 50% | 51% | 0% | 29% | 70% | 10% | 11% |
| **Latvia** |  |  |  |  |  |  |  |
| Total revenues | 10,8 | 10,2 | 15,3 | 11,5 | 15,4 | 40,7 | 42,6 |
| Amount spent on climate and energy | 0,0 | 0,1 | 0,1 | 7,4 | 3,8 | 12,3 | 11,4 |
| Share spent on climate and energy | 0% | 1% | 1% | 64% | 25% | 30% | 27% |
| **Lithuania** |  |  |  |  |  |  |  |
| Total revenues | 20,0 | 17,3 | 28,4 | 20,8 | 31,5 | 80,4 | 84,0 |
| Amount spent on climate and energy | 20,0 | 17,3 | 28,4 | 20,8 | 31,5 | 80,4 | 83,7 |
| Share spent on climate and energy | 100% | 100% | 100% | 100% | 100% | 100% | 100% |
| **Luxembourg\*** |  |  |  |  |  |  |  |
| Total revenues | 5,0 | 5,2 | 6,8 | 5,1 | 6,9 | 18,3 | 17,1 |
| Amount spent on climate and energy | 2,5 | 2,9 | 3,5 | 2,6 | 3,5 | 9,2 | 17,1 |
| Share spent on climate and energy | 50% | 56% | 52% | 51% | 50% | 51% | 100% |
| **Malta\*** |  |  |  |  |  |  |  |
| Total revenues | 4,5 | 3,9 | 6,2 | 4,5 | 6,0 | 15,7 | 15,9 |
| Amount spent on climate and energy | 4,5 | 3,9 | 6,2 | 4,5 | 6,9 | 4,9 | 9,1 |
| Share spent on climate and energy | 100% | 100% | 100% | 100% | 116% | 31% | 57% |
| **Netherlands\*** |  |  |  |  |  |  |  |
| Total revenues | 134,2 | 131,1 | 187,3 | 142,6 | 190,7 | 504,2 | 440,1 |
| Amount spent on climate and energy | 134,2 | 131,1 | 187,3 | 141,6 | 190,7 | 504,2 | 440,1 |
| Share spent on climate and energy | 100% | 100% | 100% | 100% | 100% | 100% | 100% |
| **Poland\*** |  |  |  |  |  |  |  |
| Total revenues | 244,0 | 78,0 | 132,8 | 136,1 | 506,0 | 1202,3 | 2548,8 |
| Amount spent on climate and energy | 128,7 | 39,0 | 68,5 | 68,1 | 290,4 | 609,9 | 1274,4 |
| Share spent on climate and energy | 53% | 50% | 52% | 50% | 57% | 51% | 50% |
| **Portugal** |  |  |  |  |  |  |  |
| Total revenues | 72,8 | 67,1 | 99,2 | 75,1 | 100,3 | 265,6 | 257,1 |
| Amount spent on climate and energy | 71,4 | 65,0 | 83,7 | 82,5 | 95,1 | 201,2 | 235,3 |
| Share spent on climate and energy | 98% | 97% | 84% | 110% | 95% | 76% | 92% |
| **Romania** |  |  |  |  |  |  |  |
| Total revenues | 122,7 | 97,9 | 195,2 | 194,0 | 260,8 | 719,1 | 749,8 |
| Amount spent on climate and energy | 91,2 | 67,7 | 42,5 | 52,0 | 0,0 | 160,0 | 42,7 |
| Share spent on climate and energy | 74% | 69% | 22% | 27% | 0% | 22% | 6% |
| **Slovakia** |  |  |  |  |  |  |  |
| Total revenues | 61,7 | 57,6 | 84,5 | 65,0 | 87,1 | 229,8 | 244,7 |
| Amount spent on climate and energy | 0,1 | 15,0 | 15,1 | 21,7 | 40,9 | 55,6 | 44,6 |
| Share spent on climate and energy | 0% | 26% | 18% | 33% | 47% | 24% | 18% |
| **Slovenia[[17]](#footnote-17)** |  |  |  |  |  |  |  |
| Total revenues | 17,7 | 16,6 | 24,4 | 18,7 | 25,1 | 66,3 | 65,3 |
| Amount spent on climate and energy | 8,9 | 8,3 | 24,4 | 18,7 | 25,1 |  | 65,3 |
| Share spent on climate and energy | 50% | 50% | 100% | 100% | 100% |  | 100% |
| **Spain** |  |  |  |  |  |  |  |
| Total revenues | 346,1 | 330,1 | 489,5 | 364,5 | 493,6 | 1306,0 | 1245,2 |
| Amount spent on climate and energy | 346,1 | 370,2 | 387,8 | 343,6 | 445,5 | 788,6 | 1054,1 |
| Share spent on climate and energy | 100% | 112% | 79% | 94% | 90% | 60% | 85% |
| **Sweden\*** |  |  |  |  |  |  |  |
| Total revenues | 35,7 | 33,6 | 52,4 | 38,6 | 52,6 | 136,3 | 128,5 |
| Amount spent on climate and energy | 35,7 | 18,9 | 30,5 | 21,7 | 28,8 | 76,5 | 73,9 |
| Share spent on climate and energy | 100% | 56% | 58% | 56% | 55% | 56% | 58% |
| **United Kingdom\*[[18]](#footnote-18)** |  |  |  |  |  |  |  |
| Total revenues | 485,4 | 401,5 | 586,3 | 424,3 | 614,8 | 1620,7 | 0,0 |
| Amount spent on climate and energy | 485,4 | 401,5 | 586,3 | 419,0 | 614,8 | 1334,2 |  |
| Share spent on climate and energy | 100% | 100% | 100% | 99% | 100% | 82% |  |

\*Member States that do not earmark auction revenues.

# 10. NER 300 PROJECTS

**Table 8: NER 300 commitments for projects under operation or development from first and second call**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Call** | **Number** | **MS** | **Project name** | **Maximum funding amount (EUR)** |
| First | 1 | AT | Windpark Handalm | 11.259.564 |
| First | 2 | DE | Verbiostraw | 22.272.049 |
| First | 3 | DE | Nordsee One | 70.000.000 |
| First | 4 | DE | Veja Mate | 112.603.636 |
| First | 5 | EL | Minos | 42.041.991 |
| First | 6 | FR | Vertimed | 34.316.460 |
| First | 7 | HU | South Hungarian Enhanced Geothermal System (EGS) Demonstration | 39.295.008 |
| First | 8 | PT | Windfloat | 29.990.526 |
| First | 9 | SE | Windpark Blaiken | 15.000.000 |
| Second | 1 | CY | EOS GREEN ENERGY | 60.185.628 |
| Second | 2 | EE | TORR | 25.005.728 |
| Second | 3 | ES | BALEA | 33.365.908 |
| Second | 4 | ES | FloCan5 | 34.000.000 |
| Second | 5 | FR | GEOSTRAS | 16.839.180 |
| Second | 6 | HR | Geothermae | 14.740.181 |
| Second | 7 | IT | Puglia Active Network | 84.976.708 |
|  |  |  |  |  |
| **Total** |  |  |  | **645.892.567** |
| 1st call |  |  |  | 376.779.234 |
| 2nd call |  |  |  | 269.113.333 |

1. May be reviewed in the light of the implementation of ICAO's global measure. [↑](#footnote-ref-1)
2. Member States that do not use their 3 % limit for the use of international credits in any specific year can transfer the unused part of their limit to another Member State or bank it for their own use until 2020. Member States fulfilling additional criteria (Austria, Belgium, Cyprus, Denmark, Finland, Ireland, Italy, Luxembourg, Portugal, Slovenia, Spain and Sweden) may use credits from projects in Least Developed Countries (LDCs) and Small Island Developing States (SIDS) up to an additional 1 % of their verified emissions in 2005. These credits are not bankable and transferable. A maximum of approximately 750 Mt of international credits can be used during the period from 2013 to 2020 in the ESD. [↑](#footnote-ref-2)
3. A link with the permit system in Switzerland has been ratified. [↑](#footnote-ref-3)
4. For the CP2 it refers to carry over from CP1. For the ETS it refers to carry-over from previous trading period under the scheme itself. [↑](#footnote-ref-4)
5. HFCs are also covered by the Kigali Amendment to the Montreal Protocol, which entered into force on the 1st of January 2019. [↑](#footnote-ref-5)
6. EU-28 until 31 January 2020 [↑](#footnote-ref-6)
7. In addition to the 27 MS and UK, Iceland, Liechtenstein, and Norway are also covered under the EU-ETS. [↑](#footnote-ref-7)
8. Within the Agreement on the European Economic Area, Iceland and Norway cooperate with the EU-27 towards achieving the 2030 targets in the LULUCF and Effort Sharing sectors. [↑](#footnote-ref-8)
9. Sources: EU greenhouse gas inventory 1990-2018. EU approximated greenhouse gas inventory 2019 (EEA). Member States projections with ‘existing measures’ reviewed by EEA (2020). [↑](#footnote-ref-9)
10. EU greenhouse gas inventory 1990-2018. [↑](#footnote-ref-10)
11. Sources: EU greenhouse gas inventory 1990-2018, EU approximated greenhouse gas inventory 2019 (EEA). GDP in 2015-prices, data from Ameco database (European Commission, DG ECFIN) gap-filled by EEA. [↑](#footnote-ref-11)
12. Sources: EU greenhouse gas inventory 1990-2018, EU approximated greenhouse gas inventory 2019 (EEA). Average population (total) (Eurostat). [↑](#footnote-ref-12)
13. AEAs for the years 2017-2020 have been recalculated for all Member States to reflect updates in methodologies for reporting of GHG inventories. This recalculation ensures maintaining of the originally intended effort of each Member State (in % of 2005 emissions). [↑](#footnote-ref-13)
14. Values for 2013-2015 are based on the study “*Analysis of the use of Auction Revenues by the Member States*” by Rambøll for the European Commission (2017). Values for 2016-2019 are presented as reported by the Member States. [↑](#footnote-ref-14)
15. For 2017 - 2019, Austria has not reported amounts spent on climate and energy purposes. Austria has reported that the total spending on such purposes was larger than the auction revenues in these years. [↑](#footnote-ref-15)
16. By Croatian law, 100% of the auctioning revenues are spent on climate and energy. This table lists the amount spent during the same year as the revenue was earnt, the remainder is carried over to the next years [↑](#footnote-ref-16)
17. Slovenia has not reported on the use of auctioning revenues in 2018 (by 15.10.2019). [↑](#footnote-ref-17)
18. There was no auctioning in the UK in 2019 due safeguard measures. Auctioning resumed in 2020. [↑](#footnote-ref-18)