

**COMMISSION IMPLEMENTING DECISION (EU) 2020/2126****of 16 December 2020****on setting out the annual emission allocations of the Member States for the period from 2021 to 2030 pursuant to Regulation (EU) 2018/842 of the European Parliament and of the Council****(Text with EEA relevance)**

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EU) 2018/842 of the European Parliament and of the Council of 30 May 2018 on binding annual greenhouse gas emission reductions by Member States from 2021 to 2030 contributing to climate action to meet commitments under the Paris Agreement and amending Regulation (EU) No 525/2013 <sup>(1)</sup>, and in particular Article 4(3) thereof,

Whereas:

- (1) In order to set out the annual emission allocations of the Member States for the period from 2021 to 2030 in the sectors within the scope of Regulation (EU) 2018/842, the relevant calculations need to be based on the most accurate data available. Therefore, the total greenhouse gas emissions falling within the scope of Regulation (EU) 2018/842 and submitted by the Member States to the Commission pursuant to Article 7 of Regulation (EU) No 525/2013 of the European Parliament and of the Council <sup>(2)</sup> in the year 2020 are established following a comprehensive review. That review has been conducted by the Commission, assisted by the European Environment Agency, in accordance with Article 19(1) of Regulation (EU) No 525/2013 and constitutes reviewed greenhouse gas emissions data for the years 2005 and 2016 to 2018 in accordance with Article 4(3) of Regulation (EU) 2018/842.
- (2) Equally accurate data as the reviewed inventory data are required in relation to greenhouse gas emissions from stationary installations within the scope of Directive 2003/87/EC of the European Parliament and of the Council <sup>(3)</sup>, which establishes a system for greenhouse gas emission allowance trading within the Union ('EU ETS') as deriving from the Union Registry of verified emissions of those installations ('Registry'). To the extent the 2005 EU ETS emissions in the Registry do not correspond to the current scope of Directive 2003/87/EC or Regulation (EU) 2018/842, relevant Commission Decisions <sup>(4)</sup> adopted pursuant to Directive 2003/87/EC or Decision No 406/2009/EC of the European Parliament and of the Council <sup>(5)</sup>, as well as national allocation plans and the official correspondence between the Commission and the respective Member States are used for providing complementary emission data.

<sup>(1)</sup> OJ L 156, 19.6.2018, p. 26.

<sup>(2)</sup> Regulation (EU) No 525/2013 of the European Parliament and of the Council of 21 May 2013 on a mechanism for monitoring and reporting greenhouse gas emissions and for reporting other information at national and Union level relevant to climate change and repealing Decision No 280/2004/EC (OJ L 165, 18.6.2013, p. 13).

<sup>(3)</sup> Directive 2003/87/EC of the European Parliament and of the Council of 13 October 2003 establishing a system for greenhouse gas emission allowance trading within the Union and amending Council Directive 96/61/EC (OJ L 275, 25.10.2003, p. 32).

<sup>(4)</sup> Commission Decision 2013/162/EU of 26 March 2013 on determining Member States' annual emission allocations for the period from 2013 to 2020 pursuant to Decision No 406/2009/EC of the European Parliament and of the Council (OJ L 90, 28.3.2013, p. 106); Commission Implementing Decision 2013/634/EU of 31 October 2013 on the adjustments to Member States' annual emission allocations for the period from 2013 to 2020 pursuant to Decision No 406/2009/EC of the European Parliament and of the Council (OJ L 292, 1.11.2013, p. 19); Commission Decision (EU) 2017/1471 of 10 August 2017 amending Decision 2013/162/EU to revise Member States' annual emission allocations for the period from 2017 to 2020 (OJ L 209, 12.8.2017, p. 53).

<sup>(5)</sup> Decision No 406/2009/EC of the European Parliament and of the Council of 23 April 2009 on the effort of Member States to reduce their greenhouse gas emissions to meet the Community's greenhouse gas emission reduction commitments up to 2020 (OJ L 140, 5.6.2009, p. 136).

- (3) In order to ensure consistency of the determined annual emission allocations with the reported greenhouse gas emissions for each year of the period from 2021 to 2030, Member States' annual emission allocations need to be calculated in CO<sub>2</sub> equivalents by applying the same values for global warming potentials, namely values set out in the Intergovernmental Panel for Climate Change 5th Assessment Report and listed in the Annex to Commission Delegated Regulation (EU) 2020/1044 <sup>(6)</sup>.
- (4) To calculate the annual emission allocation for each Member State for the year 2030 in accordance with the greenhouse gas emission reductions in 2030 in relation to their 2005 levels specified in Annex I to Regulation (EU) 2018/842, a five-step methodology applies.
- (5) First, the value for the 2005 greenhouse gas emissions is determined. The quantity of greenhouse gas emissions of stationary installations within the scope of Directive 2003/87/EC that existed in 2005 is subtracted from the reviewed total greenhouse gas emissions for the year 2005. To Member States participating in the EU ETS since later than 2005, the quantity of 2005 emissions as determined in Decision 2013/162/EU applies. The extension of the scope of Directive 2003/87/EC in 2013 is reflected by calculating the 2005 equivalent value of the corresponding adjustment of the annual emission allocation for 2020 in accordance with Decision No 406/2009/EC as set out in Implementing Decision 2013/634/EU. As required by Article 10(1)(a) of Regulation (EU) 2018/842, the calculation also reflects changes of installation coverage between 2005 and 2012, in the same way as set out in Decision (EU) 2017/1471.
- (6) Second, the annual emission allocation for each Member State for the year 2030 is calculated by applying the percentage laid down in Annex I to Regulation (EU) 2018/842 to the calculated 2005 emission value.
- (7) Third, the average quantity of greenhouse gas emissions within the scope of Regulation (EU) 2018/842 in the years 2016, 2017 and 2018 of each Member State is calculated by subtracting the average quantity of verified greenhouse gas emissions from stationary installations within the scope of Directive 2003/87/EC in the years 2016, 2017 and 2018 in the respective Member State and CO<sub>2</sub> emissions of domestic aviation from its average total reviewed greenhouse gas emissions for the years 2016, 2017 and 2018.
- (8) Fourth, the annual emission allocations for each Member State for the years 2021 to 2029 are calculated. They are established on the basis of a linear trajectory starting at the average quantity for the years 2016, 2017 and 2018 at five-twelfths of the distance from 2019 to 2020 and ending with its annual emission allocation for the year 2030. For Greece, Croatia and Hungary, the linear trajectory starts in 2020, as this results in a lower allocation for those Member States.
- (9) Last, the resulting values of the annual emission allocations are adjusted. EU ETS allowances pertaining to greenhouse gas emissions from stationary installations excluded from the EU ETS in accordance with Article 27 of Directive 2003/87/EC, as notified by Member States to the Commission under that Article, to the extent they are excluded from the Union emission cap under that Directive for 2021 onwards, fall therefore within the scope of Regulation (EU) 2018/842. Subsequently, the quantities deducted from the cap are added to the annual emission allocations of the relevant Member States for the period from 2021 to 2030. The amount of adjustment specified in Annex IV to Regulation (EU) 2018/842 is added to the annual emission allocation for the year 2021 for each Member State listed in that Annex.
- (10) The total maximum quantities for certain Member States following reduction of EU ETS allowances that may be taken into account for a Member State's compliance between 2021 and 2030 in accordance with Article 9 of Regulation (EU) 2018/842 are determined by applying the percentages notified by Member States pursuant to Article 6(3) of that Regulation to the values of the calculated 2005 greenhouse gas emissions values.
- (11) The measures provided for in this Decision are in accordance with the opinion of the Climate Change Committee,

<sup>(6)</sup> Commission Delegated Regulation (EU) 2020/1044 of 8 May 2020 supplementing Regulation (EU) 2018/1999 of the European Parliament and of the Council with regard to values for global warming potentials and the inventory guidelines and with regard to the Union inventory system and repealing Commission Delegated Regulation (EU) No 666/2014 (OJ L 230, 17.7.2020, p. 1).

HAS ADOPTED THIS DECISION:

*Article 1*

The values for the 2005 greenhouse gas emissions for each Member State pursuant to Article 4(3) of Regulation (EU) 2018/842 shall apply as set out in Annex I to this Decision.

*Article 2*

The annual emission allocation for each Member State for each year of the period from 2021 to 2030 pursuant to Article 4(3) of Regulation (EU) 2018/842, adjusted in accordance with Article 10 of that Regulation, shall apply as set out in Annex II to this Decision.

*Article 3*

The total quantities pursuant to Article 4(4) of Regulation (EU) 2018/842 that may be taken into account for a Member State's compliance under Article 9 of that Regulation shall apply as set out in Annex III to this Decision.

*Article 4*

This Decision shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

Done at Brussels, 16 December 2020.

*For the Commission*  
*The President*  
Ursula VON DER LEYEN

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## ANNEX I

**Values for the 2005 greenhouse gas emissions for each Member State pursuant to Article 4(3) of Regulation (EU) 2018/842**

Member State	Value for the 2005 greenhouse gas emissions in tonnes of CO <sub>2</sub> equivalent
Belgium	81 605 589
Bulgaria	22 326 386
Czechia	64 965 295
Denmark	40 368 089
Germany	484 694 619
Estonia	6 196 136
Ireland	47 687 589
Greece	62 985 180
Spain	241 979 192
France	401 113 722
Croatia	18 056 312
Italy	343 101 747
Cyprus	4 266 823
Latvia	8 597 807
Lithuania	13 062 124
Luxembourg	10 116 187
Hungary	47 826 909
Malta	1 020 601
The Netherlands	128 112 158
Austria	56 991 984
Poland	192 472 253
Portugal	48 635 827
Romania	78 235 752
Slovenia	11 826 308
Slovakia	23 137 112
Finland	34 439 858
Sweden	43 228 505

**Annual emission allocations for each Member State for each year of the period from 2021 to 2030 pursuant to Article 4(3) of Regulation (EU) 2018/842, adjusted in accordance with Article 10 of that Regulation**

Member State	Adjusted value of the annual emission allocation in tonnes of CO <sub>2</sub> equivalent									
	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Belgium	71 141 629	69 130 741	67 119 852	65 108 964	63 098 075	61 087 187	59 076 298	57 065 410	55 054 522	53 043 633
Bulgaria	27 116 956	25 159 860	24 805 676	24 451 491	24 097 307	23 743 123	23 388 939	23 034 755	22 680 571	22 326 386
Czechia	65 984 531	60 913 974	60 283 497	59 653 019	59 022 541	58 392 064	57 761 586	57 131 109	56 500 631	55 870 153
Denmark	32 127 535	31 293 868	30 460 202	29 626 535	28 792 868	27 959 201	27 125 535	26 291 868	25 458 201	24 624 534
Germany	427 306 142	413 224 443	399 142 745	385 061 046	370 979 348	356 897 650	342 815 951	328 734 253	314 652 554	300 570 856
Estonia	6 223 937	6 001 620	5 925 247	5 848 875	5 772 502	5 696 129	5 619 756	5 543 384	5 467 011	5 390 638
Ireland	43 479 402	42 357 392	41 235 382	40 113 372	38 991 362	37 869 352	36 747 342	35 625 332	34 503 322	33 381 312
Greece	46 227 407	46 969 645	47 711 883	48 454 122	49 196 360	49 938 598	50 680 836	51 423 075	52 165 313	52 907 551
Spain	200 997 922	198 671 005	196 344 088	194 017 170	191 690 253	189 363 335	187 036 418	184 709 500	182 382 583	180 055 665
France	335 726 735	326 506 522	317 286 309	308 066 096	298 845 883	289 625 670	280 405 456	271 185 243	261 965 030	252 744 817
Croatia	17 661 355	16 544 497	16 576 348	16 608 198	16 640 049	16 671 899	16 703 749	16 735 600	16 767 450	16 799 301
Italy	273 503 734	268 765 611	264 027 488	259 289 365	254 551 242	249 813 118	245 074 995	240 336 872	235 598 749	230 860 626
Cyprus	4 072 960	3 980 718	3 888 477	3 796 235	3 703 993	3 611 752	3 519 510	3 427 269	3 335 027	3 242 785
Latvia	10 649 507	8 854 834	8 758 222	8 661 610	8 564 998	8 468 386	8 371 774	8 275 162	8 178 551	8 081 939
Lithuania	16 112 304	13 717 534	13 488 659	13 259 784	13 030 909	12 802 033	12 573 158	12 344 283	12 115 408	11 886 533
Luxembourg	8 406 740	8 147 070	7 887 400	7 627 731	7 368 061	7 108 391	6 848 721	6 589 052	6 329 382	6 069 712
Hungary	49 906 277	43 342 400	43 484 478	43 626 556	43 768 634	43 910 712	44 052 791	44 194 869	44 336 947	44 479 025
Malta	2 065 044	1 239 449	1 187 854	1 136 258	1 084 663	1 033 068	981 473	929 878	878 282	826 687
The Netherlands	98 513 233	96 677 516	94 841 800	93 006 083	91 170 366	89 334 649	87 498 932	85 663 215	83 827 498	81 991 781
Austria	48 768 448	47 402 495	46 036 542	44 670 589	43 304 636	41 938 683	40 572 729	39 206 776	37 840 823	36 474 870
Poland	215 005 372	204 376 828	201 204 624	198 032 420	194 860 216	191 688 012	188 515 807	185 343 603	182 171 399	178 999 195
Portugal	42 526 461	40 821 093	40 770 978	40 720 863	40 670 748	40 620 633	40 570 518	40 520 403	40 470 288	40 420 173

Romania	87 878 093	76 914 871	76 884 391	76 853 912	76 823 433	76 792 954	76 762 474	76 731 995	76 701 516	76 671 037
Slovenia	11 403 194	11 107 762	10 991 138	10 874 515	10 757 891	10 641 268	10 524 644	10 408 021	10 291 397	10 174 774
Slovakia	23 410 477	21 151 422	21 052 577	20 953 731	20 854 886	20 756 040	20 657 195	20 558 350	20 459 504	20 360 659
Finland	28 840 335	27 970 110	27 099 886	26 229 661	25 359 436	24 489 212	23 618 987	22 748 762	21 878 538	21 008 313
Sweden	31 331 358	30 731 996	30 132 635	29 533 273	28 933 911	28 334 550	27 735 188	27 135 826	26 536 464	25 937 103

## ANNEX III

**Total quantities pursuant to Article 4(4) of Regulation (EU) 2018/842 that may be taken into account  
for a Member State's compliance under Article 9 of that Regulation**

Member State	Total quantity in tonnes of CO <sub>2</sub> equivalent
Belgium	15 423 456
Denmark	8 073 618
Ireland	19 075 035
Luxembourg	4 046 475
Malta	204 120
Austria	11 398 397
Finland	6 887 972