

PRESS RELEASE

European emissions trading scheme: CO₂ emissions down by 4% in 2018

London, 4 April 2019 - Carbon Market Data, a European company providing carbon market research and IT services, issued a data summary on the recent release of the EU Emissions Trading Scheme's 2018 verified emissions reports.

Based on Carbon Market Data calculations, the EU emissions trading scheme (EU ETS) installations emitted **1,574 million tCO₂** in 2018, down by **4%** from previous year. This figure is derived from the verified emissions data submitted so far by 94% (in volume) of the 11,200 installations currently included in the trading scheme. These figures include the 28 EU countries.

This spectacular drop in CO₂ emissions is, according to analysts, mainly due to the closure of some coal power plants, the implementation of energy efficiency measures as well as the ongoing development of renewable energy assets across Europe.

The table shown in the following page displays the list of the 28 EU countries and their respective CO₂ emissions and allowances for the year 2018. It is ranked according to the level of emissions reduction in 2018.

The table in page 4 shows the list of the 25 largest CO₂ emitting installations in 2018 in the European emissions trading scheme.

Airlines emissions were also published and amounted in 2018 to 62 million tCO₂, up by 1% from previous year. 86% of airlines have so far published their CO₂ emissions reports.

The table in page 5 presents the list of the 10 largest CO₂ emitters among aircraft operators in 2018 in the European emissions trading scheme. These figures include only intra-EU flights.

EU ETS 2018 : countries ranked by emission reduction level

	country	installation count	freely allocated allowances 2018	emissions 2018 (tCO ₂ e)	emissions-to-cap (=E-C) 2018	verified emissions evolution (2018/2017)	emissions 2018 - % published
1	Portugal	339	10.732.640	26.251.860	15.614.262	-12,65 %	98,31 %
2	Croatia	58	4.434.782	7.444.621	3.009.839	-11,03 %	100,00 %
3	France	1494	67.735.022	93.874.516	28.357.600	-8,91 %	96,63 %
4	Ireland	144	4.986.109	15.515.291	10.529.182	-8,17 %	100,00 %
5	Greece	194	13.960.053	47.105.495	33.162.248	-8,03 %	99,60 %
6	Austria	263	19.336.946	28.402.029	9.065.083	-7,07 %	99,95 %
7	Spain	1409	56.862.701	127.323.388	70.475.541	-6,67 %	99,96 %
8	United Kingdom	1454	51.258.507	128.803.491	77.563.550	-5,79 %	99,68 %
9	Estonia	63	3.040.292	13.854.145	10.813.853	-5,57 %	99,86 %
10	Italy	1534	67.011.134	140.148.542	85.897.858	-5,45 %	80,94 %
11	Lithuania	121	5.440.997	5.952.939	542.338	-5,23 %	95,72 %
12	Netherlands	630	43.485.185	87.206.120	43.821.282	-4,26 %	99,70 %
13	Malta	7	0	698.028	698.028	-3,59 %	
14	Germany	2589	145.013.039	420.537.322	277.034.038	-3,25 %	98,04 %
15	Hungary	295	9.810.837	19.994.448	10.227.623	-2,80 %	99,55 %
16	Romania	296	17.242.488	39.623.806	22.436.589	-2,39 %	99,34 %
17	Cyprus	14	2.029.541	4.585.570	2.556.029	-1,87 %	99,78 %
18	Luxembourg	27	1.214.238	1.468.871	254.633	-1,68 %	100,00 %
19	Poland	1060	47.099.613	166.604.742	127.346.413	-1,59 %	83,28 %
20	Denmark	437	7.905.057	14.948.428	7.043.371	-1,01 %	99,67 %
21	Bulgaria	170	8.962.297	1.253.423	-207.175	-0,93 %	16,29 %
22	Slovenia	103	1.731.707	6.491.912	4.760.205	-0,68 %	99,98 %
23	Czech	453	27.509.579	66.898.217	39.446.326	+0,03 %	99,75 %











	country	installation count	freely allocated allowances 2018	emissions 2018 (tCO2e)	emissions-to-cap (=E-C) 2018	verified emissions evolution (2018/2017)	emissions 2018 - % published
	Republic						
24	Slovak Republic	220	13.658.304	21.619.497	8.498.698	+0,74 %	95,93 %
25	Sweden	939	21.725.328	19.831.241	-1.885.549	+1,05 %	97,69 %
26	Belgium	462	32.066.465	40.733.378	12.012.355	+1,27 %	81,72 %
27	Finland	725	16.951.799	25.128.317	8.956.857	+3,94 %	92,46 %
28	Latvia	116	1.603.101	2.358.534	966.463	+26,09 %	86,78 %
		15616	702.807.761	1.574.658.171	908.997.540	-4,02 %	93,92 %

List of the 25 largest CO2 emitting installations in the EU ETS in 2018 (prov.)

	installation	country	sector	company	allocated allowances 2018	verified emissions 2018	verified emissions evolution (2018/2017)
1	PGE GiEK S.A. Oddział Elektrownia Belchatów	Poland	Power generation	PGE Górnictwo I Energetyka Konwencjonalna S.A.	67 387	38 348 069	1,86%
2	Kraftwerk Neurath	Germany	Power generation	RWE Power Aktiengesellschaft	1 260	32 156 657	7,55%
3	Kraftwerk Niederaußem	Germany	Power generation	RWE Power Aktiengesellschaft	70 055	25 927 543	-4,59%
4	Kraftwerk Jänschwalde	Germany	Power generation	Lausitz Energie Kraftwerke AG	23 801	22 807 073	-3,47%
5	Kraftwerk Weisweiler	Germany	Power generation	RWE Power Aktiengesellschaft	30 107	16 786 258	-11,40%
6	Kraftwerk Schwarze Pumpe	Germany	Power generation	Lausitz Energie Kraftwerke AG	293 000	12 374 048	8,68%
7	Kraftwerk Lippendorf	Germany	Power generation	Lausitz Energie Kraftwerke AG	82 439	11 711 105	2,94%
8	Kraftwerk Boxberg Werk IV	Germany	Power generation	Lausitz Energie Kraftwerke AG	3 101	10 209 765	-3,53%
9	ELEKTROWNIA KOZIENICE	Poland	Power generation	ENEA WYTWARZANIE SP. Z O.O.	13 137	9 728 131	-13,09%
10	ΑΤΜΟΗΛΕΚΤΡΙΚΟΣ ΣΤΑΘΜΟΣ ΑΗΣ ΑΓΙΟΥ ΔΗΜΗΤΡΙΟΥ	Greece	Power generation	ΔΕΗ Α.Ε	25 468	9 226 694	3,25%
11	Kraftwerk Boxberg Werk III	Germany	Power generation	Lausitz Energie Kraftwerke AG	5 307	8 791 054	2,79%
12	Integriertes Hüttenwerk Duisburg	Germany	Pig iron or steel	ThyssenKrupp Steel Europe AG	15 356 688	8 336 515	4,64%
13	CENTRALE TERMOELETRICA DI TORREVALDALIGA NORD	Italy	Power generation	ENEL PRODUZIONE S.p.A.	-	8 081 026	-17,10%
14	ArcelorMittal Atlantique et Lorraine - Dunkerque	France	Power generation	ARCELORMITTAL ATLANTIQUE ET LORRAINE	8 639 626	8 052 937	-1,64%
15	RWE Eemshaven Centrale	Netherlands	Power generation	RWE Eemshaven Holding II B.V.	-	7 968 947	5,03%
16	Endesa Generación, S.A. - Puentes	Spain	Power generation	Endesa Generación, S.A.	0	7936709	-2,20%
17	Voestalpine Stahl Linz	Austria	Pig iron or steel	Voestalpine Stahl GmbH	6227879	7816077	-15,24%
18	Eesti Elektri jaam	Estonia	Power generation	Enefit Energiatootmine AS	58512	7758535	-7,16%
19	ARCELORMITTAL MEDITERRANEE	France	Pig iron or steel	ARCELORMITTAL MEDITERRANEE	6246659	7460796	-5,98%
20	PGE GiEK S.A. Oddział Elektrownia Opole	Poland	Power generation	PGE Górnictwo I Energetyka Konwencjonalna S.A.	22627	7458645	18,79%
21	Central Termoeléctrica de Sines	Portugal	Power generation	EDP - Gestão Da Produção De Energia, S.A.	0	7432821	-11,47%
22	EDP España, S.A. - Aboño 1	Spain	Power generation	EDP España, S.A.	0	7075973	-13,61%
23	Grosskraftwerk Mannheim	Germany	Power generation	Großkraftwerk Mannheim Aktiengesellschaft	254855	6741030	-1,62%
24	Tata Steel IJmuiden bv BKG 1	Netherlands	Pig iron or steel	Tata Steel IJmuiden B.V.	9727505	6512377	-5,40%
25	Impianti di raffinazione	Italy	Refining of mineral oil	Sarlux Srl	2370982	6348594	-0,41%

source: www.carbonmarketdata.com

Aircraft operator list

	aircraft operator		administering state	state of operator	account status	allocated allowances 2018	verified emissions 2018 ▼
1	Ryanair Designated Activity Company		Ireland	Ireland	open	4.610.591	9.879.100
2	Deutsche Lufthansa AG		Germany	Germany	open	2.127.660	4.350.902
3	EasyJet UK Limited		United Kingdom	United Kingdom	open	0	3.222.457
4	EasyJet Airline Company Ltd		United Kingdom	United Kingdom	open	2.942.618	2.873.376
5	BRITISH AIRWAYS PLC		United Kingdom	United Kingdom	open	1.323.342	2.703.408
6	Scandinavian Airlines System SAS		Sweden	Sweden	open	1.275.339	2.466.820
7	Eurowings GmbH		Germany	Germany	open	0	2.385.511
8	WIZZ AIR HUNGARY LTD		Hungary	Hungary	open	734.441	2.314.873
9	Vueling Airlines, S.A.		Spain	Spain	open	822.522	2.167.198
10	Koninklijke Luchtvaart Maatschappij N.V.		Netherlands	Netherlands	open	768.364	1.825.164

Note for journalists:

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