

PRESS RELEASE

Carbon Market Data publishes the EU ETS Company Rankings 2013

London, 19 May 2014 - Carbon Market Data, a European company providing carbon market research and data supply services, published the rankings of companies included in the European Union’s emissions trading scheme, following the recent release of verified emissions reports for the year 2013.

Based on Carbon Market Data’s research, RWE, Vattenfall and E.ON were the three biggest CO2 emitters of the EU emissions trading scheme (EU ETS) during the year 2013. RWE, Vattenfall and E.ON emitted in 2013 respectively 146 MtCO2, 98 MtCO2 and 82 MtCO2. This ranking is unchanged from last year. These figures are calculated at group level, taking into account both minority and majority stakeholdings in other companies included in the EU emissions trading scheme.

In the table below are shown for the year 2013 the freely distributed carbon allowances and the CO2 emissions of these three companies.

Table 1: EU ETS Company Emissions Ranking (Mt CO2)

company	free allowances 2013	verified emissions 2013
RWE	4	146
Vattenfall	10	98
E.ON	4	82

RWE’s emissions were down by 11 MtCO2 compared to 2012. The company declared in August 2013 that it would disconnect 3,100MW with “further power stations being assessed” for suspension or closure.

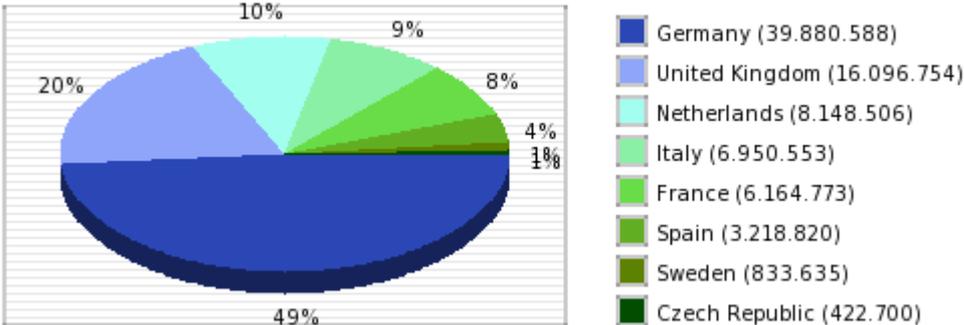
“Due to the continuing boom in solar energy, many power stations throughout the sector and across Europe are no longer profitable to operate,” RWE said in a statement.

The affected RWE power stations, located in Germany and the Netherlands, represent around 6% of its total capacity.

E.ON saw its CO2 emissions decrease by around 8 MtCO2 year-on-year. The German energy giant announced in August that it had closed or left idle 6,500 megawatts (MW) of conventional generating capacity due to unfavourable power market conditions.

In Germany and other European countries such as Denmark, daily peak hour electricity prices have decreased dramatically with the onset of wind and solar power. In consequence, fossil-fuel power stations' profitability was impacted by lower production margins especially at peak hour times.

E.ON (Power & Heat) - Verified emissions by country 2013



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Companies with the highest carbon allowance surplus

In 2013, the three companies with the highest surplus of freely allocated EU carbon allowances (EUAs) were three steel makers: ArcelorMittal (10 million EUAs surplus), Riva Group (8 million EUAs surplus) and Tata (4.7 million EUAs surplus).

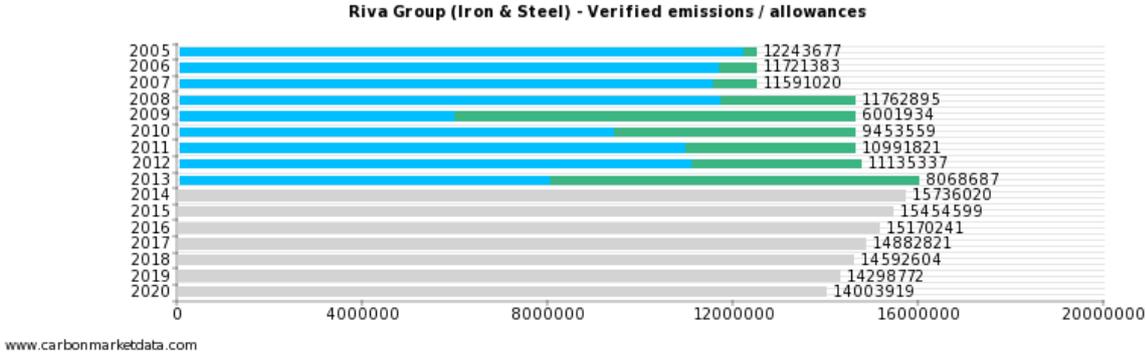
Table 2: EU ETS Companies with highest carbon surplus in 2013

company	sector	free allowances 2013 (M)	verified emissions 2013 (MtCO2)	emissions-to-cap (=E-C) 2013 (M)
ArcelorMittal	Steel	61	51	-10
Riva Group	Steel	16	8	-8
Tata	Steel & chemicals	25.4	20.7	-4.7

ArcelorMittal, the world’s biggest steel maker, continues to dominate this ranking in 2013, which is the first year of the phase III (2013-2020) of the EU emissions trading scheme. Though, its EUAs surplus was cut dramatically, from 37 million EU allowances in 2012 to 10 million EU allowances in 2013. As the Indian steel maker saw its CO2 emissions nearly stable year-on-year, in 2013 it received 61 million free EUAs compared to 89 million free EUAs in 2012.

The graph below shows for Riva Group the number of CO2 emissions versus the total number of free allowances received for each year under the EU emissions trading scheme.

The figure displayed for the period 2005-2013 represents the number of verified emissions; the green colour represents the surplus of EU allowances. The figure displayed for the period 2014-2020 represents the number of allowances allocated for free.



Companies with the largest shortage of carbon allowances

Unsurprisingly, the three companies having in 2013 the highest shortage of EU carbon allowances are all involved in the electricity generation business. These companies are RWE (shortage of 142 Mt), Vattenfall (88 Mt) and E.ON (78 Mt).

At current EUA price of 4.85 Euros, RWE's shortage represents a value of 690 million Euros.

In the phase III (2013 – 2020) of the EU emissions trading scheme, most electricity producers – with exception from some Eastern European countries - are given very few EU carbon allowances for free. Therefore, they must purchase most of their emissions rights through carbon auctions or any other carbon trading channel (exchanges, brokers, bilateral trades).

Companies from the chemical and aluminium sectors

In 2013, new sectors were added to the EU ETS, including the chemical and aluminium sectors.

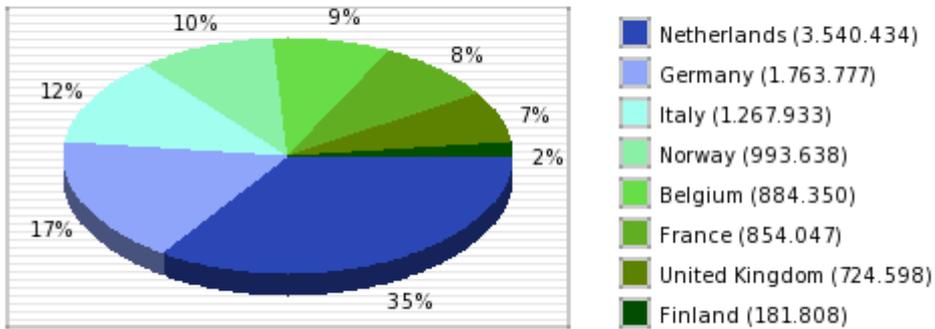
Two new greenhouse gases have also been added to the scope of the EU ETS, i.e. nitrous oxide (N₂O) and perfluorocarbons (PFCs).

In the two tables below are displayed the rankings of the largest greenhouse gas emitters in 2013 for the chemical and aluminium industries.

Table 3: Largest greenhouse gas emitters in EU ETS in 2013 – Chemical sector

company	sector	verified emissions 2013 (MtCO ₂)	free allowances 2013 (M)
Evonik	Chemicals	15.4	3
BASF	Chemicals	12.5	12.9
Yara	Chemicals	10.3	9.9

Yara International (Chemicals) - Verified emissions by country 2013

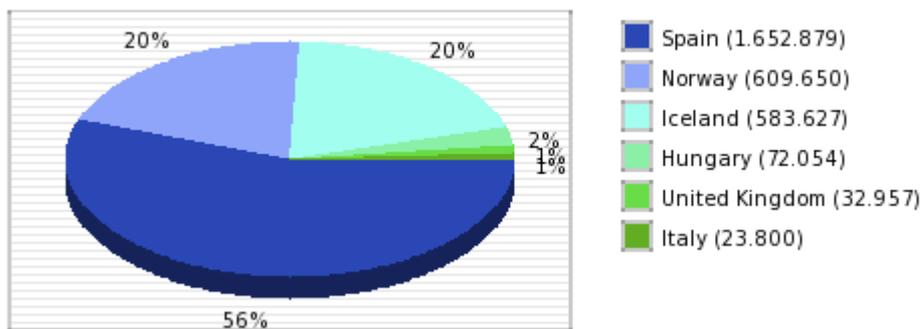


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Table 4: Largest greenhouse gas emitters in EU ETS in 2013 – Aluminium sector

company	sector	verified emissions 2013 (MtCO2)	free allowances 2013 (M)
Rio Tinto Alcan	Aluminium	3.3	1
Alcoa	Aluminium	3	2.9
Hydro	Aluminium	2.3	2.1

Alcoa (Aluminium) - Verified emissions by country 2013



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About Carbon Market Data

Carbon Market Data is a carbon market research company and data vendor offering information, consulting and technology services to a wide range of organisations in the world.

Carbon Market Data developed the EU ETS Company Database, a unique and innovative carbon disclosure solution.

The EU ETS Company Database is a corporate carbon tracking tool that provides the following strategic information on 1,000 companies included in the EU emissions trading scheme:

- CO2 verified emissions
- Allocated allowances
- CERs surrendered
- ERUs surrendered
- Emissions-to-cap figures
- List of installations
- List of parent companies
- List of subsidiaries
- List of underlying CDM-JI projects
- Sector of activity
- Contact details

A free version of the EU ETS Company Database is accessible online at <http://www.carbonmarketdata.com> .

Note for journalists :

All data and graphs shown in this document are **available for free for publication** by any newspaper, magazine and information provider (electronically or on paper). Please state the source of the data - Carbon Market Data - together with the website address <http://www.carbonmarketdata.com> next to the graphs used and within the article.

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