

EU ETS DATA

# EU ETS Companies Database

## User's Manual



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# TABLE OF CONTENTS

<b>1. GETTING STARTED.....</b>	<b>4</b>
1.1 Introduction.....	4
1.2 How this manual is organised.....	5
1.2.1 Notes for the user .....	5
<b>2. GENERAL RULES AND COMMON FUNCTIONALITIES .....</b>	<b>6</b>
2.1 Settings.....	6
2.1.1 Format number .....	6
2.1.2 Tip functionality.....	6
2.1.3 Number of records shown per page .....	6
2.1.4 Selection of years.....	6
2.2 How to navigate in the database?.....	7
2.2.1 Levels.....	7
2.2.2 How to browse the database ? .....	7
2.3 How to sort data in the tables ? .....	9
2.3.1 Data with a numeric format.....	9
2.3.2 Data with a text format .....	9
2.4 Signification of symbols.....	9
2.5.1 Emissions-to-cap symbols.....	9
<b>3. MODULE START .....</b>	<b>10</b>
<b>4. MODULE CITL.....</b>	<b>11</b>
<b>5. MODULE COMPANY.....</b>	<b>12</b>
5.1 Search Box .....	12
5.2 List of companies .....	13
5.3 Company's carbon data summary .....	15
5.4 List of company's installations .....	16
5.5 List of group's installations.....	17
5.6 Emissions by country.....	18
5.7 Installation data .....	19
5.8 Installation's contact details .....	20

## TABLE OF ILLUSTRATIONS

ILLUSTRATION 1: THE NAVIGATION BOX.....	7
ILLUSTRATION 2: MODULE START .....	10
ILLUSTRATION 3: MODULE CITL.....	11
ILLUSTRATION 4: COMPANY SEARCH .....	12
ILLUSTRATION 5: COMPANY LIST .....	13
ILLUSTRATION 6: COMPANIES SORTED BY THEIR NUMBER OF EUAs .....	14
ILLUSTRATION 7: COMPANY'S CARBON DATA SUMMARY .....	15
ILLUSTRATION 8: LIST OF COMPANY'S INSTALLATIONS .....	16
ILLUSTRATION 9: LIST OF GROUP'S INSTALLATIONS .....	17
ILLUSTRATION 10: COMPANY'S CARBON DATA BY COUNTRY .....	18
ILLUSTRATION 11: INSTALLATION DATA.....	19
ILLUSTRATION 12: INSTALLATION'S CONTACT DETAILS .....	20

# 1. Getting started

## 1.1 Introduction

The objective of this manual is to inform users on all the functionalities and information available in the EU ETS Companies Database.

We hope this document will help you use the EU ETS Companies Database Demo in a very natural and optimal way.

For the definitions of the terms used in this manual, please refer to the glossary in the Annex. You can also access the glossary online, in the menu bar of the EU ETS Companies Database Demo interface.

This manual will be updated each time a new tool or functionality is added. The last version of the manual is available for download on our website.

If you experience a problem when using the tool and cannot find any answer in this manual, please contact our support team at [support@carbonmarketdata.com](mailto:support@carbonmarketdata.com).

We welcome your remarks and suggestions on how to improve the EU ETS Companies Database. You can contact us by email at [feedback@carbonmarketdata.com](mailto:feedback@carbonmarketdata.com) or by phone on +44 (0) 845 868 5393.

We wish you a nice reading.

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## 1.2 How this manual is organised

The first chapter of this manual gives you an overview of the manual's structure and familiarises you with the symbols that are used.

The second chapter of this manual details the general rules and common functionalities of the EU ETS Companies Database. It includes very important information and useful advice on settings preferences, navigation rules, how to sort the data, and on the meaning of symbols.

The following chapters are structured by module.

The third chapter presents an overview of the module "START".

The fourth chapter concerns the module "CITL".

The fifth chapter presents the module "COMPANY" which includes all the data on EU ETS companies.

Finally, the glossary shown in the Annex gives a definition of all the terms used in the EU ETS DATA interface.

### 1.2.1 Notes for the user



This symbol indicates important information on technical matters.



This symbol indicates a useful tip or information on one of the functionalities of the EU ETS Companies Database.

## **2. General rules and common functionalities**

### **2.1 Settings**

#### **2.1.1 Format number**

To choose your preferred format number (point or comma as decimal and thousand separator), go to START and select the desired format in the Preferences table.

By default, each time you log in to the EU ETS Companies Database, the format number is set as the one used by your machine's operating system.

#### **2.1.2 Tip functionality**

To activate the tip functionality, which provides you with useful tips on how to navigate through the database, go to START and select the tip box.

#### **2.1.3 Number of records shown per page**

You can select the number of records (installations, companies, ...) per page shown on the screen in each interface.

When you are in the modules CITL or COMPANY, you can type the number of records per page desired in the box entitled "show 20 records". The default value is 20, and the limit value is 999.



It has to be noted that the totals shown at the bottom of the tables do not concern only the installations shown on the screen but concern all installations filtered by your query.

#### **2.1.4 Selection of years**

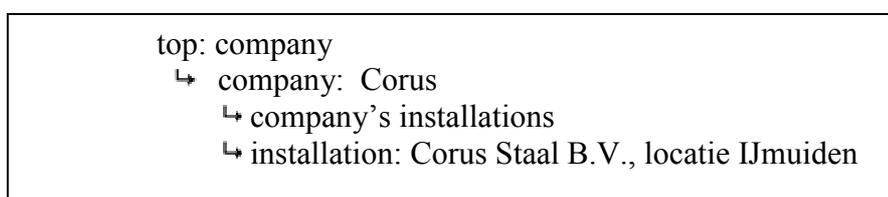
In each module, you can select the years for which you want the information to appear. Just select the years in the filter box on the top of the screen and click on OK. Once you selected the desired years, your selection will remain valid in other modules.

## 2.2 How to navigate in the database?

### 2.2.1 Levels

When you navigate inside the database, you can know where you are by looking at the “navigation box” (shown in the table below). This navigation box indicates you which part of the database you are currently viewing.

In a more technical language, it shows you the path of your navigation and the filters you applied.



**Illustration 1:** The navigation box

Example: In the illustration 1 shown above, the user is viewing the data of the installation “Corus Staal B.V., locatie IJmuiden” that is one of the installations of the Corus company

### 2.2.2 How to browse the database ?

► *Example: module CITL, sub-module BROWSE*

By default, when you click on the sub-module Browse in the CITL module, you see the list of all countries.

When you click on the name of a country, a list of the country’s sectors is displayed.

Then, when you click on one of the sector names, the list of installations belonging to this sector and to the previously selected country will appear.

To see the details of a particular installation, just click on its name in the Installation column.

Finally, to access the list of contacts related to this installation, just click on the contact details symbol  .

\* Example of navigation box:

top: country list

- ↳ country:  Austria
- ↳ activity: Paper
- ↳ installation: Papierfabrik1
- ↳ contacts:

In this example shown above, the user has clicked on the country Austria, then on the sector Paper, the installation entitled “Papierfabrik1” and finally clicked on the contact details symbol to view all the installation’s contact details.

*How to go up by one or more levels ?*



Important: After you completed your query, when you want to go up by one or more levels, just use the navigation box and click on the level you want to reach.

When you navigate in the COMPANY menu, click on COMPANY in the menu bar if you want to reinitialise your query. You can also erase all search fields and click on OK in order to reinitialise your query, erase all filters and access the whole list of companies.

In the sub-module BROWSE, when you click on *Top: country list* in the navigation box, or on the sub-menu title BROWSE, this erases all the filters applied and reinitialises your query.

## 2.3 How to sort data in the tables ?

You can easily sort the information inside the table by just clicking on the column headers.

### 2.3.1 Data with a numeric format

The first time you click on a column header that represents a numeric value, the column data (and all the records of the table) will be sorted in ascending order. If you click a second time, the column data (and all the records of the table) will be sorted in descending order.

### 2.3.2 Data with a text format

When you click on a column header representing a field shown in a text format – such as the name of a company – the column data (and all the records of the table) will be sorted in descending alphabetical order. If you click a second time, the column data (and all the records of the table) will be sorted again in ascending order, as shown by default.



By default, the lists of companies, countries, sectors and installations are sorted in the ascending alphabetical order of respectively the name of the companies, countries, sectors or installations.

## 2.4 Signification of symbols

### 2.5.1 Emissions-to-cap symbols

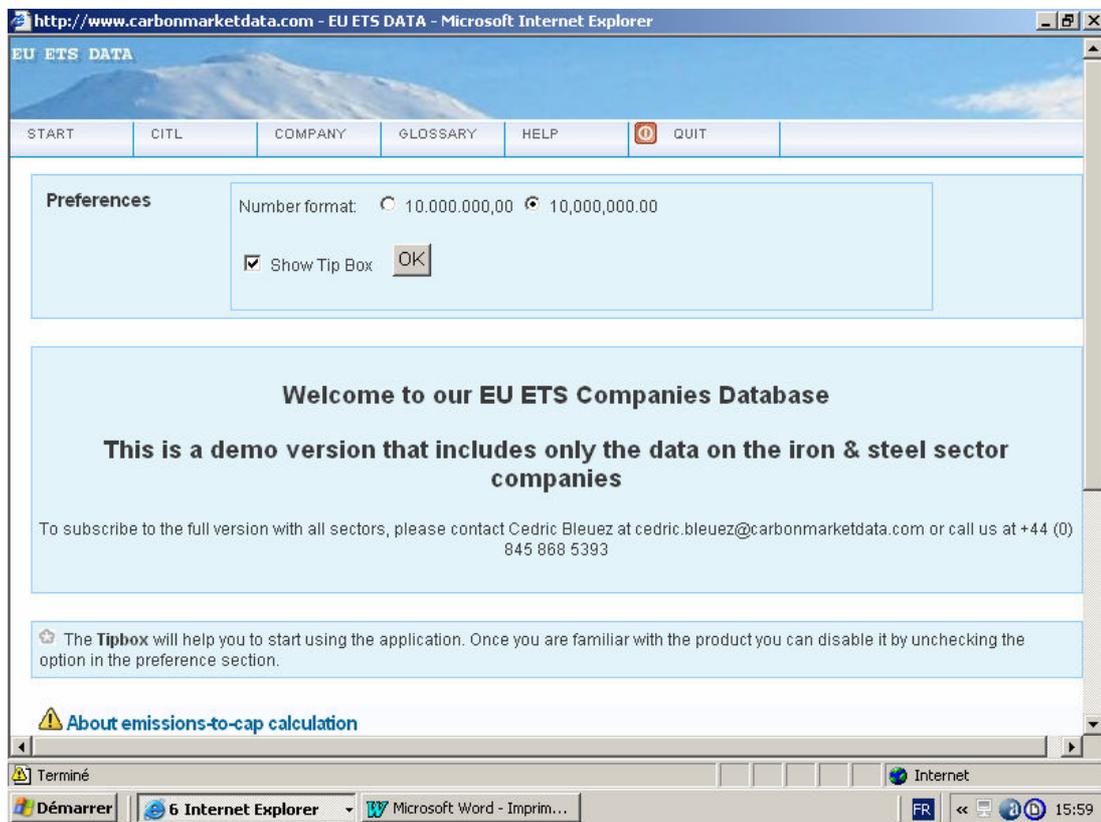
- : The emissions-to-cap is  $< 0$ . There is a surplus of allowances.
- : The emissions-to-cap is  $> 0$ . There is a lack of allowances.
- ⊘ : Data not available.

### 3. Module START

In this introductory module, you can:

- Choose your preferred number format by clicking on one of the two options proposed (point or comma as decimal and thousand separators) in the table entitled « Preferences ».
- Enable or disable the tip box.

In this module, we also supply important technical information on how calculations are made.



**Illustration 2:** Module Start

## 4. Module CITL

This module includes all information from the European Community Independent Transaction Log (CITL). It shows information at installation, sector, country and EU levels.

For information on this module, please refer to our manual available on line at the following address:

<http://www.carbonmarketdata.com/pages/manual.pdf>

The screenshot displays the 'EU ETS DATA - CITL' interface. At the top, there is a navigation menu with 'START', 'CITL', 'COMPANY', 'GLOSSARY', 'HELP', and 'QUIT'. Below this is a search area for 'top: country list' with a 'years to display' section containing checkboxes for 2005, 2006, and 2007, and an 'activity' dropdown menu set to 'all'. There are also three 'Emissions-to-Cap charts' options: 'E-t-C vs eua', 'E-t-C (Mt Co2)', and 'E-t-C (%)'. A help section provides instructions on clicking flags, headers, and chart names. The main content is a 'Country List' table with 12 columns: country, installation count, distributed allowances 2005, verified emissions 2005, emissions-to-cap ratio (as % of cap) 2005, distributed allowances 2006, verified emissions 2006, emissions-to-cap ratio (as % of cap) 2006, emissions-to-cap ratio (as % of cap) 2006, verified emissions evolution (2006/2005), and distributed allowances 2007. The table lists data for Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, and France.

	country	installation count	distributed allowances 2005	verified emissions 2005	emissions-to-cap ratio (as % of cap) 2005	distributed allowances 2006	verified emissions 2006	emissions-to-cap ratio (as % of cap) 2006	emissions-to-cap ratio (as % of cap) 2006	verified emissions evolution (2006/2005)	distributed allowances 2007	
1	Austria	199	32,409,954	33,372,841	962,887	+2.97 %	32,646,666	32,382,819	-263,847	-0.81 %	-2.97 %	32,633,066
2	Belgium	322	58,309,908	55,363,232	-2,946,676	-5.05 %	59,938,449	54,775,326	-5,163,123	-8.61 %	-1.08 %	59,510,825
3	Cyprus	13	5,471,353	5,078,877	-392,476	-7.17 %	5,612,379	5,259,273	-353,106	-6.29 %	+3.55 %	5,899,493
4	Czech Republic	405	96,910,587	82,454,636	-14,453,013	-14.91 %	96,910,587	83,624,960	-13,293,139	-13.72 %	+1.32 %	96,824,336
5	Denmark	388	37,247,536	26,475,718	-10,771,818	-28.92 %	27,853,339	34,199,588	6,299,714	+22.62 %	+29.15 %	26,741,016
6	Estonia	50	16,742,465	12,621,824	-4,120,641	-24.61 %	18,194,633	12,109,281	-6,085,352	-33.45 %	-4.65 %	21,321,469
7	Finland	606	44,665,566	33,099,660	-11,565,906	-25.89 %	44,617,969	44,621,453	3,732	+0.01 %	+34.80 %	44,620,371
8	France	1093	150,613,190	131,454,019	-19,159,171	-12.72 %	150,167,991	123,605,910	-26,562,081	-17.69 %	-5.97 %	149,925,926

Illustration 3: Module CITL

## 5. Module COMPANY

### 5.1 Search Box

The Company Search Box, shown in the illustration below, enables you to search for EU ETS companies using the following criteria:

- Company name
- Sector (limited in the Demo to the Iron & Steel sector)
- Country
- Year
- Distributed allowances
- Emissions-to-cap

Results can be displayed for a specific year or all selected years, using the “years to display” tick boxes.

top: company

company:

sector:  country:

for year:

allowances greater than:  tCO<sub>2</sub> allowances lower than:

emissions-to-cap greater than:  tCO<sub>2</sub> emissions-to-cap lower than:

records to display:

years to display:  2005  2006  2007

OK hide filter

Click on company names to see the company details.  
Click on the Company tab in the menu bar to reinitialise your search.  
Click on the "Show Filter" to select new search criteria.

Illustration 4: Company search

## 5.2 List of companies

After you click in the Search Box on “OK”, the list of companies corresponding to your search criteria is displayed, as shown in the illustration below.

In the Company List, each line displays the following information:

- Company name
- Company acronym (“short”) when relevant
- Sector of activity (limited to Iron & Steel in the Demo version)
- Number of company’s installations
- Total of distributed allowances
- Total of verified emissions
- Company-wide emissions-to-cap (in tCO<sub>2</sub>)
- Company-wide emissions-to-cap (in % of cap)
- Year-on-year emissions evolution (in %)

The screenshot shows a web browser window titled "http://www.carbonmarketdata.com - EU ETS Companies Database - DEMO - Microsoft Internet Explorer". The page header includes "EU ETS DATA" and a navigation menu with "START", "CITL", "COMPANY", "GLOSSARY", "HELP", and "QUIT". A search filter is set to "Sector: Iron & Steel" with a "show filter" button. Below the filter, there are instructions: "Click on company names to see the company details.", "Click on the Company tab in the menu bar to reinitialise your search.", and "Click on the 'Show Filter' to select new search criteria." The main content is a "Company List" table with the following data:

	company	short	sector	installation count	distributed allowances 2005	verified emissions 2005	emissions-to-cap (=E-C) 2005	emissions-to-cap ratio (as % of cap) 2005	distributed allowances 2006	verified emissions 2006
1	Acciaieria di Rubiera		Iron & Steel	1	18,008	19,902	1,894	+10.52 %	18,008	19,929
2	Acciaieria Valsugana		Iron & Steel	1	22,910	35,355	12,445	+54.32 %	22,910	38,403
3	Acciaierie Bertoli Safau	ABS	Iron & Steel	1	92,275	88,103	-4,172	-4.52 %	92,275	83,248

Illustration 5: Company list



To sort companies by their number of 2005-vintage distributed allowances in increasing order, click on the column header entitled “Distributed allowances 2005”. To sort companies by their number of 2005-vintage distributed allowances in decreasing order, click a second time on the column header entitled “Distributed allowances 2005”.

The illustration below displays the result of this sorting for all Iron & Steel companies.

The screenshot shows a web browser window with the URL <http://www.carbonmarketdata.com>. The page title is "EU ETS DATA". The navigation menu includes "START", "CITL", "COMPANY", "GLOSSARY", "HELP", and "QUIT". The search criteria are set to "Sector: Iron & Steel". Below the search criteria, there are instructions: "Click on company names to see the company details.", "Click on the Company tab in the menu bar to reinitialise your search.", and "Click on the 'Show Filter' to select new search criteria." The main content is a "Company List" table with the following data:

	company	short	sector	installation count	distributed allowances 2005 ▼	verified emissions 2005	emissions-to-cap (=E-C) 2005	emissions-to-cap ratio (as % of cap) 2005	distributed allowances 2006	verified emissions 2006
1	Arcelor Mittal		Iron & Steel	63	83,500,244	60,298,076	-23,202,168	-27.79 %	82,622,364	64,347,669
2	Arcelor		Iron & Steel	47	54,851,994	42,810,884	-12,041,110	-21.95 %	53,968,466	44,155,476
3	Corus		Iron & Steel	14	30,672,198	25,546,851	-5,125,347	-16.71 %	30,628,302	26,702,069

Illustration 6: Companies sorted by their number of EUAs

### 5.3 Company's carbon data summary

To get more information on a company's carbon emissions, click on the name of the company in the company list.

This company interface displays the following information:

- Company name
- Sector of activity (limited to Iron & Steel in the Demo version)
- Total of distributed allowances
- Total of verified emissions
- Company-wide emissions-to-cap (in tCO<sub>2</sub>)
- Company-wide emissions-to-cap (in % of cap)
- Year-on-year emissions evolution (in %)
- List of parent companies with % holdings
- List of subsidiaries with % holdings

The illustration below displays the company's carbon data summary of Corus.

The screenshot shows a web browser window with the URL <http://www.carbonmarketdata.com>. The page title is "EU ETS Companies Database - DEMO - Microsoft Internet Explorer". The main content area displays the company "Corus" and provides navigation options: "Company's installations", "All installations", and "Emissions by country". Below this, there is a table for "Corus (Iron & Steel)" and a section for "Subsidiary companies".

year	distributed allowances	verified emissions	emissions-to-cap (=E-C)	emissions-to-cap ratio (as % of cap)	verified emissions evolution
1 2005	30,672,198	25,546,851	-5,125,347	-16.71 %	
2 2006	30,628,302	26,702,065	-3,926,237	-12.82 %	+4.52 %
3 2007	30,628,304				

company	holding	distributed allowances 2005	verified emissions 2005	emissions-to-cap (=E-C) 2005	emissions-to-cap ratio (as % of cap) 2005	distributed allowances 2006	verified emissions 2006	emissions-to-cap (=E-C) 2006	emissions-to-cap ratio (as % of cap) 2006
1 Segal	100.00 %	43,947	27,415	-16,532	-37.62 %	43,947	29,322	-14,625	-33.2 %

Illustration 7: Company's carbon data summary

## 5.4 List of company's installations

To see the list of the company's installations, click on the button entitled "Company's installations".

This list displays all installations belonging to the company as such (i.e. the installations belonging to the company's subsidiaries do not appear in this list – see paragraph 5.5 "List of group's installations" for more details).

The list of company's installations displays the following information for each installation:

- Installation name
- Sector of activity of the installation (as defined by the EU ETS Directive)
- Distributed allowances
- Verified emissions
- Emissions-to-cap (in tCO<sub>2</sub>)
- Emissions-to-cap (in % of cap)
- Year-on-year emissions evolution (in %)

In the illustration below is displayed the list of installations of Corus.

The screenshot shows a web browser window displaying the "EU ETS DATA" website. The navigation menu includes "START", "CITL", "COMPANY", "GLOSSARY", "HELP", and "QUIT". The main content area shows a breadcrumb trail: "top: company" > "company: Corus" > "company's installations:". Below this is a section titled "Corus (Iron & Steel) - Installation list" containing a table with the following data:

installation	activity	distributed allowances 2005	verified emissions 2005	emissions-to-cap (=E-C) 2005	emissions-to-cap ratio (as % of cap) 2005	distributed allowances 2006	verified emissions 2006	emissions-to-cap (=E-C) 2006
1 Corus Aluminium	Combustion	10,949	10,029	-920	-8.40 %	10,949	9,854	-1,095
2 Corus Staal B.V., locatie IJmuiden	Iron & Steel	10,346,404	6,437,427	-3,908,977	-37.78 %	10,346,404	6,231,589	-4,114,815
3 Aluminium Delfzijl B.V (Aldel)	Combustion	25,162	24,178	-984	-3.91 %	25,162	24,960	-202
4 CORUS, SHAPFELL	Cement & Lime	443,856	342,430	-101,426	-22.85 %	443,856	341,119	-102,737

**Illustration 8:** List of company's installations

## 5.5 List of group's installations

To see all the group's installations (installations belonging to the company and to all its subsidiaries), click on the button entitled "All installations".

The list of the group's installations displays the following information for each installation:

- Installation name
- Sector of activity of the installation (as defined by the EU ETS Directive)
- Company owning the installation (void when same owner)
- Parent companies 1<sup>st</sup> and 2<sup>nd</sup> level of the company owning the installation
- % holding of the installation from the company studied
- Distributed allowances
- Verified emissions
- Emissions-to-cap (in tCO<sub>2</sub>)
- Emissions-to-cap (in % of cap)
- Year-on-year emissions evolution (in %)

The screenshot shows a web browser window displaying the EU ETS Companies Database. The page title is "EU ETS DATA". The navigation menu includes "START", "CITL", "COMPANY", "GLOSSARY", "HELP", and "QUIT". The main content area shows a breadcrumb trail: "top: company" -> "company: Corus" -> "all installations:". Below this, the section "Corus (Iron & Steel) - All Installations" contains a table with the following data:

	installation	activity	company	parent1	parent2	%_holding	distributed allowances 2005	verified emissions 2005	emissions-to-cap (=E-C) 2005	emissions-to-cap ratio (as % of cap) 2005
1	Corus Aluminium	Combustion				+100.00 %	10,949	10,029	-920	-8.40 %
2	Segal Ivoz Ramet	Iron & Steel	Segal			+100.00 %	43,947	27,415	-16,532	-37.62 %
3	Corus Staal B.V., locatie Ijmuiden	Iron & Steel				+100.00 %	10,346,404	6,437,427	-3,908,977	-37.78 %
4	Aluminium Delfzijl B.V (Aldel)	Combustion				+100.00 %	25,162	24,178	-984	-3.91 %

Illustration 9: List of group's installations

## 5.6 Emissions by country

For groups with installations in more than one country, you can view their total of carbon emissions by country.

For this, click on the button entitled “Emissions by country”.



The emissions by country function shows emissions for the whole group (i.e. a company and its subsidiaries)

The illustration below shows the Emissions by country for the group Corus.

The screenshot shows a web browser window displaying the 'EU ETS DATA' website. The page title is 'http://www.carbonmarketdata.com - EU ETS Companies Database - DEMO - Microsoft Internet Explorer'. The navigation menu includes 'START', 'CITL', 'COMPANY', 'GLOSSARY', 'HELP', and 'QUIT'. The main content area shows a breadcrumb trail: 'top: company' > 'company: Corus' > 'by country:'. Below this, a table titled 'Corus (Iron & Steel) - By country' displays the following data:

	country	distributed allowances 2005	verified emissions 2005	emissions-to-cap (-E-C) 2005	emissions-to-cap ratio (as % of cap) 2005	distributed allowances 2006	verified emissions 2006	emissions-to-cap (-E-C) 2006	emissions-to-cap ratio (as % of cap) 2006
1	Belgium	54,896	37,444	-17,452	-31.79 %	54,896	39,176	-15,720	-28.64 %
2	Netherlands	10,371,566	6,461,605	-3,909,961	-37.70 %	10,371,566	6,256,549	-4,115,017	-39.68 %
3	United Kingdom	20,245,736	19,047,802	-1,197,934	-5.92 %	20,201,840	20,406,340	204,500	+1.01 %
		30,672,198	25,546,851	-5,125,347	-16.71 %	30,628,302	26,702,065	-3,926,237	-12.82 %

(3 records)

Illustration 10: Company’s carbon data by country

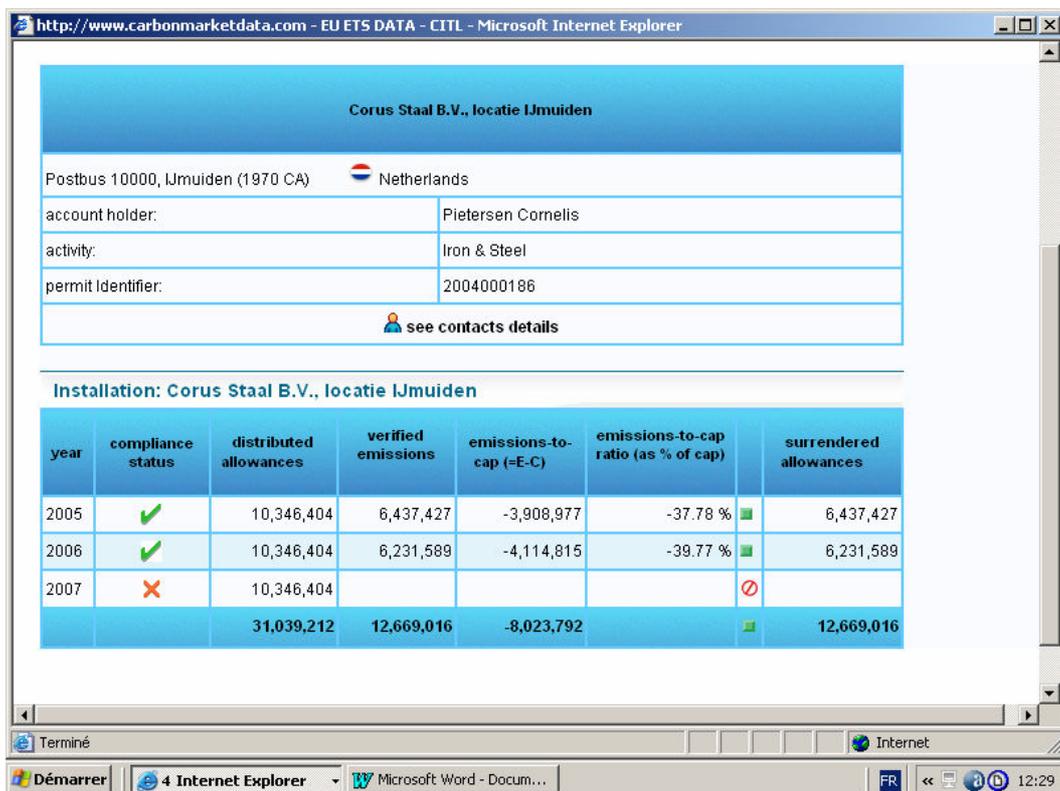
## 5.7 Installation data

When you are in the lists “Company’s installations” or “All installations” (group level), you can view the information on each installation by clicking on the installation name in the first column of the table.

You will then access the installation data, as shown in the CITL module.

The installation data include the following information:

- installation name
- address
- account holder
- sector of activity (as defined by the EC Directive on the EU ETS)
- number of distributed allowances
- verified emissions
- emissions-to-cap figures
- surrendered allowances



http://www.carbonmarketdata.com - EU ETS DATA - CITL - Microsoft Internet Explorer

**Corus Staal B.V., locatie IJmuiden**

Postbus 10000, IJmuiden (1970 CA)  Netherlands

account holder:	Pietersen Cornelis
activity:	Iron & Steel
permit Identifier:	2004000186

 [see contacts details](#)

**Installation: Corus Staal B.V., locatie IJmuiden**

year	compliance status	distributed allowances	verified emissions	emissions-to-cap (=E-C)	emissions-to-cap ratio (as % of cap)	surrendered allowances
2005	✓	10,346,404	6,437,427	-3,908,977	-37.78 % 	6,437,427
2006	✓	10,346,404	6,231,589	-4,114,815	-39.77 % 	6,231,589
2007	✗	10,346,404				
		<b>31,039,212</b>	<b>12,669,016</b>	<b>-8,023,792</b>		<b>12,669,016</b>

Terminé  Internet

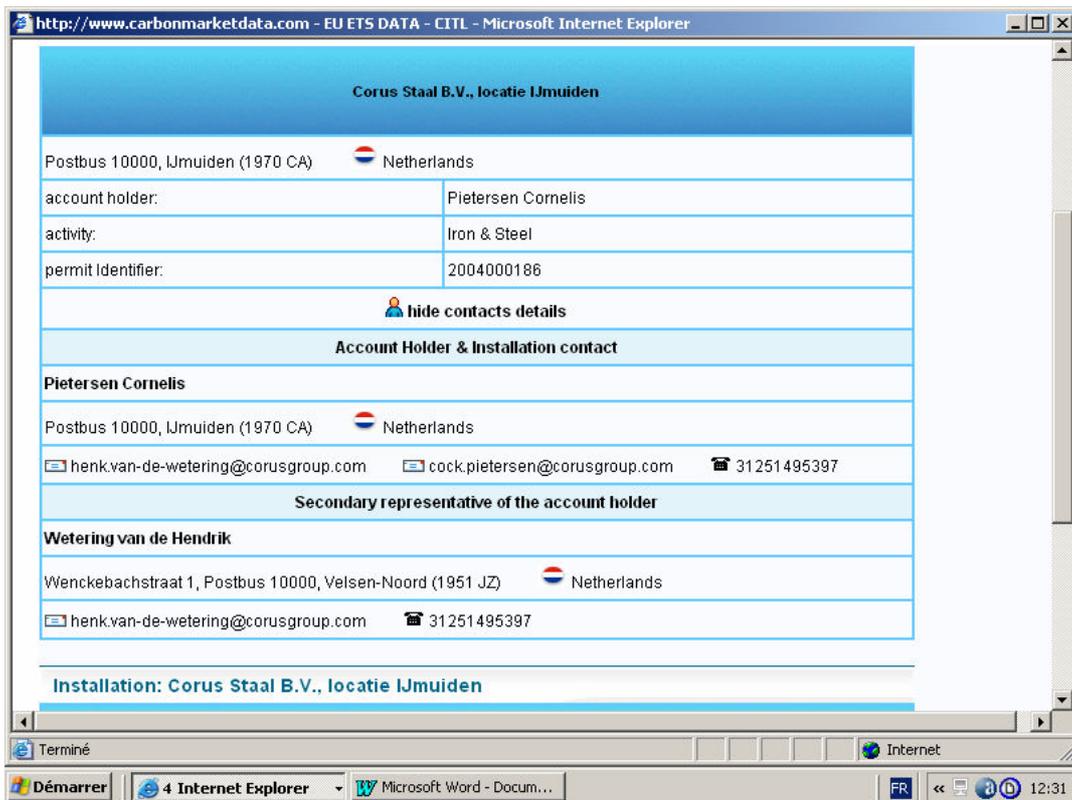
Démarrer 4 Internet Explorer Microsoft Word - Docum... FR 12:29

Illustration 11: Installation data

## 5.8 Installation's contact details

This level displays the list of contacts details related to the installation:

- Installation's contact details
- Account holder 's contact details (the company that manages the installation 's allowances)
- Contact details of the primary representative of the account holder
- Contact details of the secondary representative of the account holder
- Contact details of the verifier's representative (when available)



**Illustration 12:** Installation's contact details

### LOG OUT:

-  To log out of the application, you can just close the window or click on the menu tab « QUIT ».

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## Contact Us

Carbon Market Data Ltd

95 Wilton Road  
Suite 3  
London  
SW1V 1BZ  
United Kingdom

Tel: +44 (0) 845 868 5393

General enquiries: [info@carbonmarketdata.com](mailto:info@carbonmarketdata.com)

Sales department: [sales@carbonmarketdata.com](mailto:sales@carbonmarketdata.com)

Technical support: [support@carbonmarketdata.com](mailto:support@carbonmarketdata.com)

Feedback

On the EU ETS Companies Database: [feedback@carbonmarketdata.com](mailto:feedback@carbonmarketdata.com)

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# **ANNEX**

## **Glossary**

(of the terms used in the EU ETS Companies Database)

### **A**

#### **Account holder**

This field shows the name of the person or the company that manages the installation's allowances and registry account.

#### **Activity**

Here is the list of sectors of activity and their description as defined by the Community Transaction Log (for more detailed information, you can refer to the Annex I of the EU Emissions Trading Scheme directive):

Combustion: Combustion installations with a rated thermal input exceeding 20 MW

Refining: Mineral oil refineries

Coke ovens: Coke ovens

Roasting & Sintering: Metal ore (including sulphide ore) roasting or sintering installations

Iron & Steel: Installations for the production of pig iron or steel (primary or secondary fusion) including continuous casting

Cement & Lime: Installations for the production of cement clinker in rotary kilns or lime in rotary kilns or in other furnaces

Glass: Installations for the manufacture of glass including glass fibre

Bricks & Ceramics: Installations for the manufacture of ceramic products by firing, in particular roofing tiles, bricks, refractory bricks, tiles, stoneware or porcelain

Paper: Industrial plants for the production of (a) pulp from timber or other fibrous materials (b) paper and board

Other: Other activities or installations opted-in pursuant to Article 24 of Directive 2003/87/EC

#### **Allowance**

Permit to emit one tonne of carbon dioxide equivalent.

### **B**

#### **Bricks & Ceramics**

Sector of activity that includes installations for the manufacture of ceramic products by firing, in particular roofing tiles, bricks, refractory bricks, tiles, stoneware or porcelain.

## C

### Cap

The installation cap is equal to the number of EU allowances (EUAs) it has received for free (distributed allowances).

### Cement & Lime

Sector of activity that includes installations for the production of cement clinker in rotary kilns, or lime in rotary kilns or in other furnaces.

### Coke ovens

Sector of activity that includes all types of coke ovens.

### Combustion

Combustion installations with a rated thermal input exceeding 20 MW.

## D

### Distributed Allowances

Number of allowances distributed for free to an installation by each Member State.

## E

### Emissions-to-cap (E-t-C)

Emissions-to-cap = verified emissions - distributed allowances

If E-t-C > 0, it means that the installation has emitted more emissions than the number of allowances it has received for free. It has therefore a short position in the market, and must buy EU allowances, CERs or ERUs to make up with the difference. It can also borrow the allowances distributed the year after (providing they were issued in the same phase of the scheme) and use them for compliance.

If E-t-C < 0, it means that the installation has a surplus of allowances and therefore has a long position in the market. It can then sell its surplus of allowances in the market or keep them for future compliance or future sale.

### Emissions-to-cap ratio (E-t-C ratio)

E-t-C ratio (%) =  $\left( \frac{\text{verified emissions} - \text{distributed allowances}}{\text{distributed allowances}} \right) \times 100$

The emissions-to-cap ratio is equal to the emissions-to-cap figure divided by the distributed allowances, expressed in percentage. It shows by how many percent an installation emits above or under its cap (number of distributed allowances).

### Verified Emissions Evolution (year n+1 / year n)

Verified emissions evolution (year n+1 / year n) (%) =  $\frac{(\text{verified emissions year n+1}) - (\text{verified emissions year n}) \times 100}{(\text{verified emissions year n})}$

## **EU ETS**

Stands for European Union's Emissions Trading Scheme.

The European Union's emissions trading scheme includes the 25 EU countries and will be joined in 2007 by the two new Member States, Bulgaria and Romania. It started in 2005 and will run until at least 2012. It is designed in two phases : first phase during the years 2005-2007 and second phase in 2008-2012 (which corresponds to the Kyoto Protocol compliance period). A third phase of the EU ETS (post-2012) is currently discussed.

For further information, please refer to the EU ETS directive.

## **G**

### **Glass**

Sector of activity that includes installations for the manufacture of glass, including glass fibre.

## **I**

### **Installation**

As defined in the EU ETS directive, 'installation' means a stationary technical unit where one or more activities (listed in Annex I of the directive) are carried out and any other directly associated activities which have a technical connection with the activities carried out on that site and which could have an effect on emissions and pollution.

### **Iron & Steel**

Sector of activity that includes installations for the production of pig iron or steel (primary or secondary fusion) including continuous casting.

## **O**

### **Other**

Other activities or installations opted-in pursuant to Article 24 of Directive 2003/87/EC.

## **P**

### **Paper**

Sector of activity that includes industrial plants for the production of

- (a) pulp from timber or other fibrous materials
- (b) paper and board

### **Permit identifier**

Number of the installation's emissions permit. Each installation included in the EU ETS must hold a greenhouse gas emissions permit, which is issued by the competent national authority.

## **R**

### **Refining**

Sector of activity that includes mineral oil refineries.

### **Roasting & Sintering**

Sector of activity that includes metal ore (including sulphide ore) roasting or sintering installations.

## **S**

### **Surrendered allowances**

At 30 April each year at the latest, the operator of each installation must surrender to the competent national authority a number of allowances equal to the total verified emissions emitted from that installation during the preceding calendar year.

## **V**

### **Verified emissions**

Amount of emissions actually emitted by an installation. Each installation's emissions are monitored and verified by independent third-parties in accordance with the monitoring and reporting guidelines published by each Member State.