

1,553 Views | 25 CrossRef citations to date | 0 Altmetric

SYNTHESIS ARTICLE

Identifying carbon leakage sectors in the EU ETS and implications of results

Ingmar Juergens , Jesús Barreiro-Hurlé & Alexander Vasa

Pages 89-109 | Published online: 20 Feb 2012

Cite this article <https://doi.org/10.1080/14693062.2011.649590>

Sample our
Environment and Sustainability
Journals

>> [Sign in here](#) to start your access
to the latest two volumes for 14 days

Full Article Figures & data References Citations Metrics

Reprints & Permissions Read this article Share

We Care About Your Privacy

We and our 870 partners store and access personal data, like browsing data or unique identifiers, on your device. Selecting "I Accept" enables tracking technologies to support the purposes shown under "we and our partners process data to provide," whereas selecting "Reject All" or withdrawing your consent will disable them. If trackers are disabled, some content and ads you see may not be as relevant to you. You can resurface this menu to change your choices or withdraw consent at any time by clicking the ["privacy preferences"] link on the bottom of the webpage [or the floating icon on the bottom-left of the webpage, if applicable]. Your choices will have effect within our Website. For more details, refer to our Privacy Policy. [Here](#)

We and our partners process data to provide:

I Accept

Reject All

Show Purpose



Notes

NACE stands for 'Nomenclature générale des activités économiques dans les Communautés Européennes'. NACE consists of a hierarchical structure (as established in the NACE Regulation), the introductory guidelines and the explanatory notes. The structure of NACE is described as follows: (i) a first level consisting of headings identified by an alphabetical code (sections); (ii) a second level consisting of headings identified by a two-digit numerical code (divisions); (iii) a third level consisting of headings identified by a three-digit numerical code (groups); (iv) a fourth level consisting of headings identified by a four-digit numerical code (classes). Although the NACE classification has undergone a comprehensive revision (European Parliament and the Council of the EU, [2006](#)) that is used for statistics referring to economic activity performed from January 2008 onwards, NACE Revision 1.1 (OJEC, [2002](#)) is used as the reference period for the analysis (referred to in the Directive as 'three most recent years') as it covers the period 2005–2007 (see below). Future carbon leakage assessments might rely on NACE Revision 2 (European Parliament and the Council of the EU, [2006](#)).

The ETS also creates incentives for individual companies to decide their production input mix (CO₂ versus abatement) and thus achieve in the most cost-efficient manner the redu

Five sect following the
qualitati 2/EU
provide e sectors are:
Finishing er sheets,
plywood ds (20.20);
Manufac d casting of
light 
For cons o as sectors
through
For exan s) one can
find two opped
strands ls and other

articles of glass fibers except woven fabrics). These in turn are further disaggregated into several ProdCom eight-digit sectors.

CO₂e is calculated using global warming potentials of the GHGs converted.

See <http://ec.europa.eu/environment/ets/>

See ec.europa.eu/enterprise/policies/sustainable-business/climate-change/energy-intensive-industries/carbon-leakage/index_en.htm.

See http://ec.europa.eu/clima/documentation/ets/docs/20090701_list_sectors.pdf.

See Sijm et al. (2006) for estimates of the CO₂ cost pass-through in Germany and the Netherlands; empirical and model data are presented that indicate that pass-through rates vary between 40 and 60%.

Eurostat reports the average national price in EU€ per kWh without taxes applicable for the first semester of each year for medium-sized industrial consumers (Consumption Band Ic, with annual consumption between 500 and 2000 MWh). Until 2007, the prices refer to the status on 1 January of each year for medium-sized consumers (Standard Consumer Ie with annual consumption of 2000 MWh).

For a number of sectors the data received from Member States were insufficient (i.e.

covering... through... Commission... NACE co... fertilizer... laminbo... 2751 (Ca... required... European... tors with... nufacture of... ywood,... ary forms),

See... This is d... that all... allowanc... cluding the... possibili... And whe... more... disaggre...



Related research

People also read

Recommended articles

Cited by
25

Information for

- Authors
- R&D professionals
- Editors
- Librarians
- Societies

Opportunities

- Reprints and e-prints
- Advertising solutions
- Accelerated publication
- Corporate access solutions

Open access

- Overview
- Open journals
- Open Select
- Dove Medical Press
- F1000Research

Help and information

- Help and contact
- Newsroom
- All journals
- Books

Keep up

Register to receive updates by email

 Sign up

 

 

Copy 

Accession

Registered
5 Howick Pl



Wiley & Francis Group
an informa business