

Exploration of EU-ETS micro data

The European Union Emission Trading System (EU-ETS) is a cornerstone of the decarbonization of European industry. Established in 2005, it is currently in its fourth phase. This carbon market has experienced many ups and downs and has been regularly reformed during its different phases. Questions nevertheless remain as to its real capacity to induce deep decarbonization. The situation of the different market players can, however, be contrasted and a micro level assessment of the situation of these players is still very fragmentary.

This internship will aim to continue the exploitation of the EUTL database of transactions on the EU-ETS already started within the Climate Economics Chair. The emphasis will be particularly placed on two elements. The first is the development and implementation of strategies to identify and separate spot market transactions from those relating to carbon market derivatives. The second is site and/or company-wide measurement of banking situations. These two elements will help calibrating a model of the EU-ETS under construction at the Climate Economics Chair.

Missions

- Update of data by site and by company of emissions and transaction data based on EUTL information.
- Literature review on possible strategies to distinguish transactions relating to the spot market and those relating to derivatives in the database.
- Choice and implementation of at least one of these strategies, analysis of the information thus revealed.
- Construction of banking of allowances indicators at the scale of sites and companies; analysis of the information thus revealed.
- Publication of the results in the *Climate & Debate* series of the Climate Economics Chair.

Profile

This position is aimed at master students / engineering students in the fields of economy / environment / data science. The candidate must have organizational ease, autonomy and ability to work in relation with the various interlocutors of the Chair. A good command of data processing is expected. A personal interest in the areas of climate change economics is an asset.

This internship can lead to a CEC thesis project.

Duration: Starting March-April 2024 for a 6 month-period

Location: Chaire Economie du Climat, Palais Brongniart, 28 Place de la Bourse, 75002

Salary: 80% minimum wage if 2nd year of Master, 70% if 1st year - + meal vouchers-face value 9€

Contact and documents: send CV, Cover letter **plus** Master 1 grades (and Master 2 grades available) in **only ONE PDF file** to claire.berenger@chaireeconomieduclimat.org indicating the internship offer's (**only 2 applications maximum on all CEC internships offers**)

Application closure: January 9th, 2024

Interviews from January 10th, 2024

Final response to candidates: January 31st, 2024