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Towards a local experiment in travel-based carbon rationing

Submitted by [admin](#) on Tue, 02/01/2022 - 06:18

État du projet

Finished research

Visuel



Activer

Activé

Niveau de profondeur

Balise H2 + H3

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Désactivé

Date

Fri, 01/07/2022 - 04:47

Date du début

Wed, 12/01/2021 - 12:00 - Thu, 09/01/2022 - 12:00

Présentation longue

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The Mobile Lives Forum is exploring the idea of using carbon rationing as an alternative to a carbon tax. Taxation is criticized as being unfair, as it weighs more heavily on the poorest households, while also being inefficient as it has little effect on

the lifestyles of the richest, even though they are the biggest emitters of CO2.

Rationing would have at least two advantages over taxation: setting a national cap on CO2 emissions and giving each French person the right to emit the same amount of CO2, regardless of their financial situation. In 2020-2021, a team of six students in the Energy MA program, supervised by engineer and transport historian Arnaud Passalacqua, worked on a proposed plan to implement a nationwide carbon rationing scheme. This work allowed us to answer three initial questions: does such a rationing system seem possible, fair and desirable, within the limits of certain pre-designated parameters? The Mobile Lives Forum also documented an experiment conducted in the Finish town of Lahti, where a carbon trading scheme was set up, providing each resident with a carbon budget for travel, which they managed via a mobile app. For 2021-2022, the Forum engaged a new multidisciplinary team of 8 students (engineers, political scientists,...) within the Energy MA degree to design a local carbon rationing experiment, to be applied to individual trips taken by volunteer participants within a given territory in France.

The results:

The Mobile Lives Forum has drawn up 5 major recommendations based on the exploratory work carried out by the student group:

1/ Set up the simplest possible system, limited in time and incentivized

- The scope: travel by internal combustion engine car and domestic flights
- Duration: a full year
- The tools: a mobile app and/or manual reporting
- Mobilizing volunteers: incentivized, collective and participatory
- Number of volunteers: 150 to 200 at the beginning, to secure a group of at least 100 active participants until the end of the project
- Assessment: quantitative and qualitative, by a team of social scientists, assisted by students

2/ Invest in communication and mobilization beforehand to guarantee the success of the experiment

- An initial stage will aim to assemble local actors and stakeholders, who are ready to get involved and support the project. If applicable: local authorities,

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Chapô

At a time of increasing calls for energy sobriety, the Mobile Lives Forum proposes to reflect on real solutions that are both fair and effective, to collectively reduce our emissions and implement a new mobility system that is less dependent on fossil fuels. Carbon rationing, which initially seems radical but is become increasingly topical, is worth examining in this respect. Inspired by the pioneering initiative in Lahti, Finland, a team of students in the Energy MA program (Paris Cité University) is examining the possibility of conducting a local experiment in carbon rationing for travel.

Chapô

The Mobile Lives Forum is exploring the idea of carbon rationing as an alternative to carbon taxing. Following the projected plan to implement a nationwide carbon rationing scheme carried out in 2021, a new team of students from the Master's degree in Energy, supervised by Arnaud Passalacqua, will design a local experiment: what choices, strategies and technical solutions should be recommended to elected officials who wish to experiment the carbon rationing applied to travel on their territory?

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Thématique

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