

Marie YOUNG BRUN

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Personal website

FIELDS OF INTEREST

Climate and environmental economics, with a focus on distributional impacts from both climate change and mitigation policies

WORK IN PROGRESS

The political economy of carbon taxation with vertical and horizontal inequality

This paper investigates how majority voting over a carbon tax is impacted by the distribution of the tax's burden. I introduce both income and urban-rural inequalities in a theoretical majority voting framework. To capture heterogeneity in salient carbon-intensive expenditures, such as car fuel or heating energy, urbans and rurals differ by the amount of subsistence polluting good they must consume. I study the tax resulting from a majority voting and its efficiency, both theoretically and with a calibration.

Intra-regional inequality and climate policy in integrated assessment models with Simon Feindt

Climate change damages and abatement costs are not distributed equally within countries. These within country inequalities affect climate policy recommendations and impacts. In particular, inequality in sources of income (labour or capital earnings) is an important mechanism to explain and mitigate the heterogeneous impacts of climate change

EDUCATION

- 2019 - PhD in ECONOMICS, *Paris 1 Panthéon-Sorbonne/ Paris School of Economics*
Subject Distributional effects of climate policy
Supervisors : Stéphane ZUBER and Aurélie MÉJEAN
- 2017-2019 Master's Degree in ECONOMICS (with *highest honours*), *Paris School of Economics*
2019 Thesis: "Adaptation, Altruism and the Long-term Climate Issue" | Advisor: Stéphane ZUBER
- 2017 BA in ECONOMICS *Paris 1 Panthéon-Sorbonne*

SKILLS

SOFTWARE Python, R, Julia, LaTeX, Stata, Bash
LANGUAGES French (mother tongue), Spanish (mother tongue), English (fluent), German (intermediary)

RELEVANT EXPERIENCE

- | | |
|-------------|---|
| 2019 | Research assistant at CEPREMAP
<i>Role of trust in political polarization</i> |
| Summer 2018 | Research intern at URBAN LABS, <i>University of Chicago</i>
<i>Effects of lead paint regulation on the housing market</i> |

CONFERENCES AND SEMINAR PRESENTATION

- 2020 PSE PhD Informal Seminar
2021 CIRED PhD Seminar, PSE Regulation and Environment, MCC Seminar

TEACHING AND OTHER ACTIVITIES

- Spring 2019 and 2020 Teaching Assistant, 48h/year, *Paris 1 Panthéon-Sorbonne*
Undergraduate course "*Markets, Equilibrium and Optimum*", Prof E. del Mercato
- 2020 - PhD student representative at the Doctoral School (ED465)

SCHOLARSHIPS

- 2021 PSE PhD International Mobility Grant (1,850€)
2019-2022 3-year CNRS scholarship linked to international research project [CHIPS](#)
(*Climate Change Impacts and Policies in Heterogeneous Societies*)