

# Sai BRAVO-MELGAREJO

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## Professional Experience

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- Postdoctoral Researcher at ENAC** 2021 –  
Analysis of regulatory, strategic, and public policy questions related to the deployment of clean aviation technologies and multi-modal urban mobility.  
Part of the organization committee of the ITEA Conference and the SOAR Symposia.
- Graduate Teacher at ENAC** 2021 –  
Industrial Organization, Market Game, and Fundamental Economics.
- Undergraduate Teaching Assistant at Université de Pau et Pays de l'Adour (UPPA)** 2019 – 2021  
Applied Microeconomics, Microeconomics, and Industrial Organization.
- Doctoral Fellow at Mines ParisTech** 2018 – 2021  
Analysis of regulatory, strategic, and public policy questions related to the deployment of green technologies.  
Part of the scientific committee of the IAEE Paris International Conference.
- Business Analyst at Thales** 2018  
Technico-economic analysis of satellite constellations.
- Undergraduate Teaching Assistant - Toulouse School of Economics (TSE)** 2017 – 2018  
Macroeconomics.
- Research Assistant at INRAE - TSE** 2017 – 2018  
Data Collection.
- Research Assistant at Lereps - IEP Toulouse** 2017  
Literature review and development of econometric models using R and Stata.

## Education

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- Ph.D in Economics** 2018 – 2021  
*TREE, UMR CNRS 6031, E2S UPPA.*  
Dissertation: "The role of hydrogen in the energy transition"  
Committee: F. Candau (UPPA), A. Creti (Université Paris Dauphine), C. Haritchabalet (UPPA and TSE), A. Pommeret (Université de Savoie Mont Blanc), and T. Vergé (ENSAE Paris CREST).
- Master in Economics of Markets and Organizations (with Honors)** 2016 – 2018  
*Toulouse School of Economics*
- Bachelor in Economics (with Honors)** 2013 – 2016  
*Toulouse School of Economics*

## Articles

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### Publication

*Adopting and diffusing hydrogen technology in air transport: An evolutionary game theory approach.* with S. Chen, E. Malavolti, and R. Mongeau. **Energy Economics**, vol. 125, n. 106864, September 2023, 10.1016/j.eneco.2023.106864.

## Working Papers

*Prosumers: Grid vs Small Fuel-Cell.* with C. Haritchabalet. **R&R(major)-Energy Economics**  
*A model of vertical restraints and labeling: the case of green hydrogen.* with C. Haritchabalet.  
*Do airlines adopt sustainable aviation fuels under modal competition?* with E. Malavolti.

## Work in Progress

*Greening the Public Fleet: Evidence from California's Clean Vehicle Rebate Program*  
*The determinants of urban multi-modal demand* with I.Hoummirat and I.Laplace  
*Analysis of integrated assessment models.* with A. Gondran, E. Malavolti and A. Ronsan.

## Policy Work

Cahier d'acteurs n°36 UMR TREE. (2022). *Stratégie française sur l'énergie et le climat.* with X. Arnould-de-Sartre, P. Lacassy, F. Lachet-Touya, J. Le-Cacheux and J. Pélé.

## Grants and Awards

Best Student Paper in Energy Economics, French Association for Energy Economics	2020
Ph.D. Scholarship, Mines ParisTech – Chair The Economics of Gas	2018 (3 years)

## Conferences and Seminars

10th FAERE Conference (Montpellier), 50th EARIE Conference (Rome), M2S (Toulouse), SOAR Symposia (Toulouse), PPH2 Seminar (Montpellier), ADRES Conference (Paris).	2023
49th EARIE (Vienna), 25th ATRS World Conference (Antwerp), 27th EAERE (Rimini), ITEA School and Conference (Toulouse), 13th Toulouse Conference on The Economics of Energy and Climate (Toulouse), 38èmes JMA (Rennes).	2022
48th EARIE (Bergen), International Conference on Mobility Challenges (Paris), 37èmes JMA (Annecy), ADRES Conference (Strasbourg), TREE Seminar (Pau).	2021
FAEE Workshop (Paris), CATT Seminar (Pau).	2020

## Miscellaneous

Referee for Transportation Research Part A: Policy and Practice	2023
Voluntary Economist - BSI Economics	2018 – 2022
Board Member and Writer - TSEconomist	2016 – 2018

## Skills

**IT**     Advanced: R, Stata, Wolfram Mathematica, L<sup>A</sup>T<sub>E</sub>X, Office  
          Intermediate: Python, Matlab

**Languages**     Fluent in English, French and Spanish.

## References

Carole Haritchabalet	Estelle Malavolti	Isabelle Laplace
Professor UPPA and TSE	Professor ENAC and TSE	Co-head of the Prospective Division ENAC
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