

# Sai BRAVO-MELGAREJO

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## Professional Experience

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- Postdoctoral Fellow 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 Symposium.
- Research Fellow at the Economic of Gas Chair Mines ParisTech** 2018 – 2021
- Analysis of regulatory, strategic, and public policy questions related to the deployment of green technologies (solar panels, batteries, electrolyzers, fuel-cell and electric vehicles,).
  - Part of the scientific committee of the IAEE Paris International Conference.
- Business Analyst at Thales** 2018
- Techno-economic analysis of satellite constellations.
- Research Assistant at INRAE - Toulouse School of Economics (TSE)** 2017 – 2018
- Data Collection.
- Research Assistant at Lereps - Sciences Po 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 Université de Pau et Pays de l'Adour (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*

## Grants and Awards

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- 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)

## 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. *Submitted.*

## 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. Ronsain.

## Policy Work

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

## Conferences and Seminars

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

## 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.

## Teaching Experience

- Teacher at ENAC** 2021 –  
• Graduate courses: Industrial Organization, Market Game, and Fundamental Economics.
- Teaching Assistant at Université de Pau et Pays de l'Adour (UPPA)** 2019 –2021  
• Undergraduate courses: Applied Microeconomics, Microeconomics, and Industrial Organization.
- Teaching Assistant at TSE** 2017 – 2018  
• Undergraduate course: Macroeconomics.

## Miscellaneous

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

## 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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