

Elodie Andrieu

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Post-Doctoral Researcher
Paris School of Economics
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RESEARCH INTERESTS

Firm Dynamics, Innovation, Subsidies, Labour.

POSITIONS

Post-Doctoral Researcher - Paris School of Economics 2023-2026
Supervisors : Ariell Reshef and Farid Toubal
Affiliated to the Productivity Institute. 2021

EDUCATION

PhD in Economics - King's College London. 2023
Supervisors : Mary O'Mahony and John Morrow.
Master degree, Analysis and Policy in Economics (EHESS) - Paris School of Economics 2017-2018
Magistère, Economics - Aix Marseille School of Economics 2015-2017
Licence Degree, Economics - Aix-Marseille University 2012-2016

RESEARCH

Job Market Paper : **Can Firm Subsidies Spread Growth?** (with John Morrow).

How do firms diffuse resources and do they spillover outside headquarter intensive areas? We show R&D subsidies induce French firms to hire new workers, often in new establishments and commuting zones. Using subsidy induced labor demand shocks and past employment patterns, we estimate a within industry spillover elasticity of .26 to non-subsidy firms, rising to .35 for openings outside of headquarter areas. Spillovers are also significant across firm branches and for firms. While subsidies are nominally awarded to headquarters, firms expand to distribute spillovers more broadly.

Measuring the Impact of Lobbying by Exploiting the Complementarity Between Influence Tools (with Olimpia Cutinelli Rendina).

This paper develops a novel methodological approach to measure the returns of lobbying activity based on pre-established concepts in the literature. Using changes in congressional committee assignments as a source of exogenous variation to lobbying activity, we introduce two key innovations. First, we employ long-run campaign contributions as a proxy for political connections, decoupling them from geographic ties. Second, we consider the topics lobbied by firms as partly endogenous by linking them to firms' historical political connections. These innovations are supported by three stylized facts demonstrating that firms strategically invest in campaign contributions, recognizing that legislators will eventually enter key committees over time. By leveraging the complementarity between lobbying activity and campaign contributions, we construct a new firm level instrument for lobbying activities. We confirm our methodology by revisiting estimates on the

effects of lobbying on firm size, financial performance, and investment decisions, advancing our understanding of the relationship between political engagement and corporate outcomes.

Minimum Wage and Skills : Evidence from Job Vacancy Data (with Mary O’Mahony).

Increases in the minimum wage aim to benefit low-wage workers but may lead firms to offset costs by substituting low-skilled labor with higher-skilled workers or adopting new technology. Following a significant and unexpected UK minimum wage hike in 2016, we found a reduced demand for low-educated and high Risk of Automation (ROA) jobs, coupled with an increased demand for technical skills. Using a difference-in-differences framework, this paper provides evidence of labor-labor substitution at the low-end of the skill distribution and labor-technology substitution, showing a shift towards jobs requiring advanced technical skills.

Working Papers

Corporate Fragmentation and Subsidies with Farid Toubal.

The design of public support policies, particularly those involving tax credits and subsidies, often relies on thresholds encouraging specific behaviors among firms. Business groups, defined as networks of legally distinct firms under common ownership, account for a large share of economic activity in many countries. Using administrative data from France, we examine how these groups restructure to maximize the benefits of the R&D tax credit (Crédit d’Impôt Recherche, CIR). We investigate the implications for resource allocation, tax optimization, and real outcomes such as innovation and exports. Our findings reveal that groups file multiple claims to optimize R&D tax credits, resulting in a high concentration of CIR benefits within large groups.

Uncertainty and the COVID-19 crisis : Evidence from online job postings with Chiara Criscuolo and Mariagrazia Squicciarini.

Work In Progress

Business Groups and Trade Intermediaries (with Ariell Reshef and Farid Toubal)

Innovation in Family Business (with Olimpia Cutinelli Rendina)

Business Groups and Innovation (with Ariell Reshef and Farid Toubal)

PRE-DOCTORAL PUBLICATIONS

The evolution of the association between community level social capital and COVID-19 deaths and hospitalizations in the United States (with F. Borgovoni and S.V. Subramanian) *Social Science & Medicine*, 2021, <https://doi.org/10.1016/j.socscimed.2021.113948>. *The Academic Times*.

Bowling together by bowling alone : Social capital and Covid-19 (with F. Borgovoni) *Social Science & Medicine*, 2020, <https://doi.org/10.1016/j.socscimed.2020.113501>. *VoxEU*, *IOE London Blog*.

The role of education and skills in bridging the digital gender divide, evidence from APEC countries (with F. Borgovoni, A.S. Liebender and M. Squicciarini), *OECD*, 2019.

Occupational transitions : the cost of moving to a “safe haven” (with S. Jamet, L. Marcolin and M. Squicciarini) *OECD Science, Technology and Industry Policy Papers*, 2019, <https://doi.org/10.1787/6d3f9bff-en>.

RESEARCH EXPERIENCE

Research assistant for Francesca Borgovoni, University College London	2020-2022
Consultant, joint project the International Organization for Migration (IOM) and the Center for Global Development, London	2022
Consultant, Science, Technology and Innovation (STI) Directorate, OECD, Paris.	2020
Conducting field surveys for The Abdul Latif Jameel Poverty Action Lab (JPAL), Paris	2018

SEMINARS AND CONFERENCES

2024 : 16th FIW Research Conference ‘International Economics’, College de France-INSEAD Lunch Seminar, PSE Internal Seminar, LSE Spatial Disparities RPN Workshop, CMA-Durham Workshop, AFSE.

2023 : QMUL Brownbag Seminar, OECD PIE Brownbag Seminar, City University Lunch Seminar, GEP/CEPR Annual Postgraduate Conference, multiple KCL events (seminar, symposium, brownbag), Eu-SPRI (Brighton), CMA-Durham Workshop, AFSE, CMA Lunch Seminar, Shaping Globalization Workshop (Mainz).

2022 : Text as data conference (Zurich), Low Pay Commission (London), ESCOE (Glasgow), TPI Talks (Manchester), Research Day College de France x King’s (London), OECD Labour Brownbag Seminar (Paris).

2021 : OECD CIIE webinar on BGT.

2020 : Exploring Online Job Vacancy Data.

COORDINATED EVENTS

Founder and co-organizer of the Junior Research Day joint King’s College London and Collège de France
Two editions per year : Paris and London.

London : 2022, 2023, 2024 (UCL).

Paris : 2023, 2024.

TEACHING

King’s College London

Teaching Assistant

Game Theory, undergraduate level, Niall Hughes.	2022
Advanced mathematics for economists, undergraduate level, Omid Mazdak and Eddy Tam.	2022
Mathematics for economists, undergraduate level, Seyhun Sakalli and Dimitrios Minos.	2021
Principles of economics, undergraduate level, Hector Espinoza and Christian Darko.	2020-2021
Introduction to microeconomics, undergraduate level, John Morrow and Sotiris Vandoros.	2020

HONORS AND FELLOWSHIPS

King’s College London, full Doctoral Scholarship.	4 years
Dauphine University, Family Business Chaire.	€ 10,000

COMPUTER SKILLS AND LANGUAGES

Econometrics	R, Stata, SAS, Matlab.
Others	Office Pack, L ^A T _E X.
Languages	French (Native), English (Native), Spanish (Intermediate).
Hobbies	Athletics (London City Runner cross country team and half-marathons), skiing and triathlon.