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# JORDI PLANELLES – CORTÉS

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## QUICK OVERVIEW

I am a young economist with experience in policy making institutions and in the academia.

Currently I am a PhD student at the Université Paris-Saclay and at the Universitat de Barcelona.

Previously I worked as an intern economist at the Spanish Treasury and worked as a research assistant with the economist Xavier Vives.

- 2017-2020 PhD Student at the Université Paris Saclay and at the Universitat de Barcelona
- Summer 2018 External collaborator at the Interamerican Bank of Development
- 2017 Intern Economist at the Spanish Treasury
- 2016-2017 Master in Economics at the Universidad Carlos III de Madrid
- 2014-2016 Research assistant with Professor Xavier Vives
- 2013-2014 Master in Specialized Economic Analysis at the Barcelona Graduate School of Economics

## ACADEMIC AND PROFESSIONAL EXPERIENCE

PHD STUDENT - UNIVERSITÉ PARIS-SACLAY AND UNIVERSITAT DE BARCELONA

(October 2017 - September 2020)

- ❖ The main objective of my thesis is to explore the different applications of network theory to the economics of environmental policy in the context of an increasingly integrated worldwide production chain.
- ❖ Concretely I focus on the particular ways by which the structure of the production chain determines if idiosyncratic microeconomic technological and policy shocks will spread effectively across the network or disappear diluted within it.
- ❖ I build upon a relatively recent influx of literature that challenges the previously established idea that micro economic shocks are close to irrelevant for aggregate fluctuations.

EXTERNAL COLLABORATOR - INTERNATIONAL DEVELOPMENT BANK

(June 2018 - August 2018)

- ❖ Harmonisation and integration of national household surveys across LATAM region.
- ❖ Study of the determinants of access to water, electricity and sewage infrastructures.

INTERN ECONOMIST - GENERAL SECRETARY OF THE TREASURY AND FINANCIAL POLICY OF THE GOVERNMENT OF SPAIN

(February 2017 - August 2017)

- ❖ Analysis and periodic reporting of :
  1. Developments in monetary policy, central bank decisions and in money markets.
  2. Developments in financial stability and in the soundness of the financial sector at national and international level.
  3. Developments in financial markets, concretely sovereign debt.
- ❖ Preparation of the reunions in which takes part the General Secretary of the Treasury and Financial Policy (Euro Group meetings, European Central Bank,

IMF and other central banks, financial supervisors and regulators, international institutions).

RESEARCH ASSISTANT WITH PROFESSOR XAVIER VIVES.

(October 2014 - May 2016)

- ❖ Main project: Xavier Vives (2016). *Competition and Stability in Banking: The Role of Regulation and Competition Policy*. Princeton University Press. See at: <http://press.princeton.edu/titles/10741.html>.
- ❖ Other tasks performed:
  1. Consultancy projects at the Public-Private Sector Research Center from IESE Business School.
  2. Simulation of economic models.
  3. Study of the regulatory framework of financial markets and EU energy markets.

See professor Vives profile at: <http://www.barcelonagse.eu/people/vives-xavier>.

## GRANTS

3 YEARS PHD FUNDING: R&D ET INNOVATION VERTE DANS LE SECTEUR ÉNERGÉTIQUE - UNIVERSITÉ PARIS-SACLAY

From October 2017 to September 2020.

## MEMBERSHIPS

CHAIRE ÉNERGIE ET PROSPÉRITÉ (PARIS)

2018 onwards

INSTITUT D'ECONOMIA DE BARCELONA (IEB) (BARCELONA)

2017 onwards

FUNDACIÓN PARA LA SOSTENIBILIDAD AMBIENTAL (BARCELONA)

2017 onwards

## SOFTWARE SKILLS

- ❖ General software: Windows, OS X, Office and Latex.
- ❖ Statistics and econometrics software: Stata.
- ❖ Computational software: R, Matlab, Dynare.

## LANGUAGES

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Language	Level	Additional information
English	Advanced	TOEFL iBT 104/120.
Spanish	Native	
Catalan	Native	

## EDUCATION

MASTER IN ECONOMICS - CARLOS III UNIVERSITY.

(September 2016 - July 2017)

Main fields of study:

Macroeconomics, microeconomics, econometrics, statistics, finance, development economics, mathematics, linear algebra.

MASTER IN SPECIALISED ECONOMIC ANALYSIS: PROGRAM IN MACROECONOMIC POLICY AND FINANCIAL MARKETS - BARCELONA GRADUATE SCHOOL OF ECONOMICS

(September 2013 - July 2014)

Main fields of study:

Economic theory: Macroeconomics (RBC models, overlapping generations, labour markets with frictions...), equilibrium analysis, financial economics, fiscal policy, monetary policy (mainly New Keynesian framework) and regulation of financial markets. Econometrics: linear regression, GMM, maximum likelihood, time series (VAR, FAVAR, ...) , panel data. Computational methods: programming with Matlab and

Dynare, solving and simulating dynamic and stochastic models.

See program information at: <http://www.barcelonagse.eu/study/masters-programs/macroeconomic-policy-financial-markets>.

## EXCHANGE PROGRAM AT UNIVERSITY OF NEW SOUTH WALES (BACHELOR'S DEGREE IN ECONOMICS)

BACHELOR'S DEGREE IN ECONOMICS - UNIVERSITAT POMPEU FABRA

(September 2009 - July 2013)

Main fields of study:

Macroeconomics, microeconomics, econometrics, statistics, finance, economic history, mathematics, linear algebra and dynamical systems, business and law. 6 months exchange program at **University of New South Wales**, Sydney.(January-July 2013). See program syllabus at: <http://www.upf.edu/facecon/en/estudis/graus/grau-economia/pla/>.

## RESEARCH PROJECTS DURING EDUCATION

MACROECONOMIC MODELS WITH WELFARE EXTERNALITIES -  
UNIVERSIDAD CARLOS III , 2017 (MASTER THESIS)

Qualification: A.

Brief abstract:

One of the main challenges of humanity during the forthcoming decades will be the tensions between the global democratization of high living standards with the minimization of environmental impacts and climate change. The goal of this paper will be to study the welfare implications that arise from two of the most widely taught macroeconomics models in a context dominated by environmental externalities. If infinitely lived households do not internalize the environmental externalities, capital will be above the optimum in equilibrium. The paper also shows that the optimal allocation can be achieved by the implementation of a tax on capital returns. On the other hand in an OLG model, capital in equilibrium can be even below the optimal, as a consequence of lower investment rates. Later, the paper studies the evolution of the different variables after a technology shock and after a shock on the level of environmental efficiency of capital. Finally, the paper includes a little extension that endogenizes the level of environmental efficiency of capital.

A MODEL OF TEMPORARY JOBS AND EMPLOYMENT DYNAMICS  
BARCELONA GRADUATE SCHOOL OF ECONOMICS, 2014 (MASTER THESIS)

Qualification: A.

Brief abstarct:

This paper analyses the dynamics of employment in a labor market dominated by temporality. The paper presents an extended version of the Mortensen-Pissarides model of search and matching, featuring temporary and permanent contracts, productivity heterogeneity among firms and workers and a business cycle driven by technology shocks. After performing a simulation of the model, the results show that temporary jobs account for a very significant part of employment volatility. Besides, tightening the legal restrictions on its use leads to lower employment volatility. The dynamics of the model match several aspects of the evidence from the Spanish labour market during the last recession.

INFORMATION ASYMMETRIES IN BANKING AND ITS REGULATION  
POMPEU FABRA UNIVERSITY, 2012 (CO-AUTHORED, FINAL  
UNDERGRADUATE THESIS)

Qualification: honors distinction.

Brief abstarct:

This paper analyses the impact of information asymmetries in the banking system. This paper focuses the analysis in the financial crisis and presents a simple model of adverse selection and moral hazard between banks with different intrinsic risk and depositors, featuring monitoring and deposit insurance.