

# **Newsletter (1/2017)**

### **EDITORIAL**

This is the twelfth bulletin of the Network of Reference in Economy Applied (XREAP). Similarly to the previous bulletins, our objective is to share with you all those activities of research and transfer of technology of the groups that form XREAP and that is regularly updated in our website where you can access to information on the seminars, conferences and congresses that we organise as well as to the full text of our working papers.

Currently, the XREAP research groups are formed by more than one hundred seventy researchers, affiliated mostly to three Catalan universities: University of Barcelona, Autonomous University of Barcelona and University Rovira and Virgili, but with the presence of researchers from other Catalan universities (University Pompeu Fabra) and from the rest of the state and from other countries of the European Union.

Regarding the activities of formation and diffusion of the research in the field of XREAP, during the second semester of 2016 and the first half of 2017 we have already realised different seminars, workshops and international conferences such as the ITEA Annual Conference and School on Transportation Economics, the Workshop on New Perspectives in Transportation – Big data Telematics towards Usage based Insurance or the Workshop on Unemployment and Labor Market Policies. The working paper series of the network already features nearly 150 documents with the participation of all the groups in order to disseminate their researcher's output but we have also tried to involve external researchers that have taken part to the activities of XREAP in our series. Remember that all the working papers are available through the main national and international repositories in our research field: RECERCAT, DIALNET, REPEC and SSRN and the XREAP's website.

Last, we also take the opportunity to invite you to visit our website: http://www.xreap.cat where you will find information about the events that will take place during Autumn 2017 such as the VIII Workshop on Economics of Education, the Workshop on Causal Inference in Regional & Urban Economics, Theory and Applications or the workshop on challenges of innovation policy, among others.

Martí Parellada (Director XREAP) Raül Ramos (Technical Secretary XREAP)



# Activities - Symposium (2016/1)

### Symposium XREAP Economic Disparities 25/11/2016

Sala de Recepcions; Faculty of Economics and Business; University of Barcelona John M Keynes, 1-11 - Barcelona

#### Programme

25/11/2015	
9:00-9:15	Welcome Elisenda Paluzie (Dean of the Faculty of Economics and Business) Martí Parellada (Director of XREAP) Antonio Manresa (Coordinador of the Symposium)
9:15-10:00	Joan Esteban (IAE, CSIC, BGSE) <u>Capitalisme global i desigualtat econòmica</u> Moderator: Antonio Manresa (CREB, XREAP, UB)
10:00-10:45	Francisco J. Goerlich (IVIE, UV) <u>Distribució de la renda, crisi econòmica i politiques redistributives</u> Moderator: Samuel Calonge (CREB, XREAP, UB)
10:45-11:30	Xavier Martinez Celorrio (UB) <u>Mobilitat social i educació a Espanya</u> Moderator: Raul Ramos (AQR-IREA, XREAP, UB)
11:30-12:00	Coffee Break
12:00-12;45	Xavier Ramos (UAB) <u>Desigualtat d'oportunitat</u> Moderator: Fernando Sánchez-Losada (CREB, XREAP, UB)
12:45-13:30	Iñaki Permanyer (CED, UAB) <u>Indicadors per a mesurar la pobresa multidimensional</u> Moderator: Vicente Royuela (AQR-IREA, XREAP, UB)
13:30	Closing Act



### **VII WORKSHOP ON ECONOMICS OF EDUCATION:** Evaluation of education and training policies

#### 05-06/09/2016

Sala de Recepcions; Faculty of Economics and Business; University of Barcelona John M Keynes, 1-11 - Barcelona

The evaluation of public policies is one of the most active and innovative areas of research in the social sciences in general and, specifically, in economics. Educational policies have received significant attention in this process. The intended aim of this workshop was double: on the one hand, to establish and share the theoretical and methodological knowledge frontier of the evaluation of educational policies. On the other hand, to have access to a diversity of applied studies in which different methodologies are used.

The aim of this workshop was to bring together original research papers that cast some light on these issues, especially those from an economic perspective. Although the Workshop focused on empirical papers, theoretical studies were also presented. The accepted papers (10) were presented in plenary sessions complemented by the two keynote speakers' presentations.

The scientific committee was formed by:

Massimiliano Bratti (University of Milan & IZA) Simon Burgess (University of Bristol) Jorge Calero (Universitat de Barcelona & IEB) J. Oriol Escardíbul (Universitat de Barcelona & IEB) Toni Mora (Universitat Internacional de Catalunya & IEB) Martí Parellada (Universitat de Barcelona & Director of the IEB) Raúl Ramos (AQR-IREA, Universitat de Barcelona); and Josep Lluís Raymond (Universitat Autònoma de Barcelona & IEB)

For more information, please consult the following Web page: ww.ieb.ub.edu/vmchk/categories-d-actes/vii-workshop-on-economics-of-educationcompetences-acquisition-skills-the-labour-market#.WT5h49ztaUk





### **VII WORKSHOP ON ECONOMICS OF EDUCATION: Evaluation of education and training policies**

#### Programme (1/3)

#### 05/09/2016

09:30-09:45	Opening address
09:45-11:15	Keynote Lecture
	Dr. Simon Burgess (University of Bristol)
	"Using Behaviour Incentives to Improve Performance on High Stakes Tests:
	Evidence from a Field Experiment"

11:15-11:45 Coffee Break

### 11:45-13:30 Session I:

Chaired by J. Oriol Escardíbul (Universidad de Barcelona & IEB)

Mara Soncin (Politecnico di Milano), Tommaso Agasisti (Politecnico di Milano) & Patrizia Falzetti (INVALSI) <u>Managing Educational Success: School Principals' Managerial Behaviors and</u> <u>Students' Test Scores</u>. Discussant: Zelda Brutti

Zalda Prutti (European University

Zelda Brutti (European University Institute) & Fabio Sánchez Torres (Universidad de los Andes & CEDE) <u>New Teachers for Colombia: Is Quality Control Working?</u> Discussant: Gabriela Sicilia

Gabriela Sicilia (Universidad Autónoma de Madrid) & Daniel Santín (Universidad Complutense de Madrid) *Differences in Teachers' Performance: Evidence for Spain''*. Discussant: Mara Soncin

#### 13:30-14:30 Working Lunch



### VI WORKSHOP ON ECONOMICS OF EDUCATION: Competences' acquisition, skills & the labour market

### Programme (2/3)

### 05/09/2016

14:30-16:50 Session II:

Chaired by Jorge Calero (Universitat de Barcelona & IEB)

Beatrice S. Rangvid (SFI–The Danish National Centre for Social Research) <u>Returning Special Education Students to Regular Classrooms: Externalities on</u> <u>Peers' Outcomes</u> Discussant: Gina Andrade-Baena

Gina Andrade-Baena (UCL-Institute of Education) <u>Estimating the Impact of an Early Childhood Parenting Programme on</u> <u>Childcare Decisions: Evidence from Colombia</u>" Discussant: Robert Jäckle

Robert Jäckle (TH N•urnberg GSO), Oliver Himmler (MPI Bonn) & Philipp Weinschenk (TU Kaiserslautern) <u>Field Experiment on Procrastination and Academic Performance</u> Discussant: Mika Kortelainen

Mika Kortelainen (VATT Institute for Economic Research), Heikki Pursiainen (VATT Institute for Economic Research) & Jenni Pääkkönen (VATT Institute for Economic Research)

Quality of Upper Secondary Schools in Finland. Evaluating Persistent and Non-Persistent Dierences in Value-Added

Discussant: Beatrice S. Rangvid



### VI WORKSHOP ON ECONOMICS OF EDUCATION: Competences' acquisition, skills & the labour market

### Programme (3/3)

### 06/09/2016

#### 09:30-11:00 **Keynote Lecture**

Massimiliano Bratti (University of Milan & IZA) "The Importance of Being "Right on Track": Wrong Upper Secondary School Track Choice and Grade Retention"

- 11:00-11:30 **Coffee Break**
- 11:30-13:15 Session III

chaired by J. Oriol Escardíbul (Universitat de Barcelona & IEB)

Raffaele Saggio (UC Berkeley) & Davide Malacrino (Stanford University). Time to Completion and Labor Market Outcomes: Does the Early Bird Really Get the Worm?

Discussant: Stella Capuano

Stella Capuano (Institute for Employment Research, Nuremberg) & Silvia Migali (Aarhus University). The Migration of Professionals Within the EU: Any Barriers Left? Discussant: Maria Ferreira

Maria Ferreira (Maastricht University & Industrial University of Santander), Andries de Grip (Maastricht University & IZA) & Rolf van der Velden (Maastricht University). Does Informal Learning at Work Differ Between Temporary and Permanent Workers? Evidence from 20 OECD Countries Discussant: Raffaele Saggio

13:15-13:30 **Closing address** 



### Workshop on Regional and Urban Economics

### 27-28/10/2016

Sala de Graus Ernest Lluch; Faculty of Economics and Business; University of Barcelona John M Keynes, 1-11 - Barcelona

The workshop focused on innovation and the spatial diffusion of knowledge with emphasis in collaboration networks. Its aim was to bring together researchers in urban and regional economics who are working in topics where the broad concept of the geography of innovation plays a fundamental role. Particular attention was paid to papers dealing with the mechanisms and actors of knowledge diffusion (knowledge spillovers, networks, technological collaboration, and knowledge relatedness). Although the Workshop focused on empirical papers, theoretical studies were also presented.

The workshop included also two keynote speech from:

- Maryann Feldman (Department of Public Policy at the University of North Carolina);
- Karen Maguire (Regional Innovation Unit of the OECD Regional Development Policy Division)

The scientific committee was formed by

- Corinne Autant-Bernard,
- Ron Boschma,
- Ricardo Crescenzi,
- Jose García-Quevedo,
- Jackie Krafft,
- Francesco Lissoni,
- Enrique López-Bazo,
- Ernest Miguélez,
- Rosina Moreno,
- Mercedes Teruel,
- Stefano Usai



### Workshop: on Regional and Urban Economics

#### Programme

<b>27/10/2016</b> 09:15	Welcome Elisenda Paluzie (Dean of the Faculty of Economics and Business). chaired by Rosina Moreno (AQR-IREA
09:39-11:15	Session I: Specialization and colocation in innovation activities chaired by Enrique López-Bazo (AQR-IREA)
	Dieter F. Kogler (UC Dublin), Jürgen Essletzbichler (Viena), David L. Rigby (UCLA) <u>The Evolution of Specialization in the EU15 Knowledge Space</u>
	Christian Fons-Rosen (UPF), Vincenzo Scrutinio (LSE), Katalin Szemeredi (LSE) <i>Colocation and Knowledge Diffusion: Evidence from Million Dollar Plants</i>
	Pierre-Alexandre Balland (Utrecht), David Rigby (UCLA), Sergio Petralia (Utrecht), Mathieu Steijn (Utrecht) <i>The geography of innovation in the United States: 1836-2010</i>
11:15-11:45	Coffee Break
11:45-13:15	<b>Keynote Lecture</b> Maryann Feldman (Department of Public Policy at the University of North Carolina) <i>Cities, Regions and Policy</i>
13:15-14:15	Lunch
14:15-16:00	Session II: Innovation networks. chaired by Lorena D'Agostino (AQR-IREA)
	Laurent Bergé (Luxembourg), Nicolas Carayol (GREThA-Bordeaux), Pascale Roux (GREThA-Bordeaux) <i>How do inventors networks affect urban invention?</i>
	Tom Broekel (Leibniz U. Hannover), Marcel Bednarz (Leibniz U. Hannover) <u>The impact of subsidized R&amp;D networks on inter-regional knowledge diffusion</u> .
	Alexander Jaax (LSE), Riccardo Crescenzi (LSE) <u>Multinational Enterprises and the Geography of Patenting in Latin America:</u> <u>Evidence from Brazil, Mexico, and Colombia</u>



### Workshop: on Regional and Urban Economics

#### Programme

#### 27/10/2016

16:00-16:30 Coffee Break

09:39-11:15 Session III: Human capital mobility & diffusion of knowledge. chaired by Ernest Miguélez (CNRS, GREThA- Bordeaux and AQR-IREA)

> Christian Catalini (MIT), Christian Fons-Rosen (UPF), Patrick Gaulé (CERGE-EI) Did Cheaper Flights Change the Direction of Science?

Anna D'Ambrosio (Torino), Sandro Montresor (Unikore), Mario Davide Parrilli (Bournemouth), Francesco Quatraro (Torino); <u>Migrations, Communities-on-the-move and their Impact on Knowledge Flows</u>

Paolo Zacchia (IMT Lucca); <u>Benefiting Colleagues but not the City: Localized Spillovers from the Relocation</u> <u>of Superstar Inventors</u>

# **28/10/2016** 09:30-11:00

#### Keynote Lecture:

Karen Maguire (Regional Innovation Unit, OECD Regional Development Policy Division) Regional disparities, innovation and productivity

11:00-11:30 Coffee Break

#### 11:30-13:15 **Round Table**

chaired by Rosina Moreno (AQR-IREA)

Fernando Hervás (Territorial Development Unit, Joint Research Center, European Commissio)

Mònica Duran (Enterprise Europe Network coordinator, Innovation Dept. ACCIO. Generalitat de Catalunya)

Jordi Gríful (Innovation Group, Industry Commission, Chambre of Commerce of Barcelona)

13:15 Closing Act



### International Workshop on the Economics of Parking

### 28/11/2016

Sala de Graus; Faculty of Economics and Business; University of Barcelona John M Keynes, 1-11 - Barcelona

This workshop focused on the recent developments in the economics of parking. By bringing together researchers from different countries, it became an international meeting to discuss the developments and challenges of research in this field. The workshop brought together academics, policymakers and practitioners from the public and private sectors to discuss those issues. The conference format was designed to facilitate informal interactions.

The programme included a keynote speech hold by: Eren Inci (Sabanci University) The Economics of Parking: The state of the art

And there was also a poster exhibition including: Nir Fulman and Itzhak Benenson (Tel Aviv University) *An algorithm and software for establishing heterogeneous parking prices* 

Jinyong Jeong (Boston College). Parking Slot Assignment: A Matching Mechanism Design Approach

Daniel Albalate and Albert Gragera (Universitat de Barcelona) Empirical Evidence on the imperfect information in parking markets

The scientific committee was formed by:

- Daniel Albalate (University of Barcelona Chair)
- Albert Gragera (University of Barcelona)
- Anna Matas (Autonomous University of Barcelona)
- Daniel Montolio (University of Barcelona)



### International Workshop on the Economics of Parking

### Programme (1/2)

### 27/10/2016

09:50-10:00	Welcome
10:00-11:00	<b>Keynote Lecture:</b> Eren Inci (Sabanci University) <i>The Economics of Parking: The state of the art</i>
11:00-11:15	Coffee Break
11:15-13:15	Session I: Demand Modelling and User's behavior. chaired by Anna Matas (Universitat Autònoma de Barcelona & IEB)
	Stephan Lehner (Vienna University of Economics and Business) Meta-analysis of parking price demand
	Jelena Simicevic and Nada Milosavljevic (University of Belgrade) Temporal variance of user attitude towards parking price
	Tom Rye and Richard Llewellyn (Edinburgh Napier University) Parking enforcement activity and public attitudes to enforcement: a case study of Edinburgh, Scotland in the context of the EU Push and Pull project.
	Jan-Jelle Witte and Giuliano Mingardo (Erasmus University Rotterdam). "Paid parking, urban form and shopping modal choice, a multilevel approach
13:15-14:30	Lunch
14:30-16:00	Session II: External costs, pricing and regulation chaired by Daniel Montolio (Universitat de Barcelona & IEB)
	Duco de Vos (TU Delft) and Jos van Ommeren (VU University Amsterdam) The External Walking Costs of residential parking"
	Gokhan Guven, Eren Inci (Sabanci University) and Antonio Russo (ETH Zurich) On the pricing of parking and retail space in shopping mall
	Daniel Albalate and Albert Gragera (Universitat de Barcelona)

The price to park: Assessing the determinants of Garage prices and their interaction with curbside regulation

16:00-16:45 Coffee break and Poster exhibition



### International Workshop on the Economics of Parking

Programme (2/2)

#### 27/10/2016

16:45-18:15Session III: Impacts of parking on other market<br/>chaired by Albert Gragera (Universitat de Barcelona & IREA)

Jesper de Groote, Jos van Ommeren and Hans R.A. Koster (VU University Amsterdam) *The impact of parking policy on house prices* 

Stuart Donovan (VU University Amsterdam, Timbergen Institute) An Economic Framework for Analysing Parking Requirement

Christos Evangelinos (IU Bad Honnef) and Nelly Staub (Deutsche Bahn AG) The effect of airport parking fees on the tourist's airport/airline choice behavior

#### 18:15 Closing remark



# Workshop on Unemployment and Labor Market Policies 20-21/04 2017

Sala de Graus - Faculty of Economics and Business; University of Barcelona John M Keynes, 1-11 - Barcelona

### Programme (1/2)

#### 20/04/2017

10:00-11:00

Session I Keynote Lecture Bruno Crepon (CREST) (with Marianne Bertrand, Alicia Marguerie and Patrick Premand) <u>Contemporaneous and Post-Program Impacts of a Public Works Program:</u> <u>Evidence from Cote d'Ivoire</u>

#### 11:00-11:30 Coffee Break

#### 11:30-13:45 Session II

chaired by Joan Lull (UAB, MOVE & BGSE)

Samuel Bentolila (CEMFI) with J.I. García Pérez and Marcel Jansen *Are the Spanish Long-Term Unemployed Unemployable?* 

Arne Uhlendorff (CREST) TBA

Alexandre Mas (Princeton) with Andrew Johnston Potential Unemployment Insurance Duration and Labor Supply: The Individual and Market-Level Response to a Benefit Cut

#### 13:45-15:00 Lunch

#### 15:00-17:0 Session III

chaired by Susana Iranzo (UrV)

Michael Lechner (University of St. Gallen) Should case workers be tough or accommodating? The role of their and their clients heterogeneity

Barbara Petrongolo (Queen Mary University London) with Felix Koenig and Alan Manning *Reservation wages and the wage flexibility puzzle* 



Session IV

# Workshop on Unemployment and Labor Market Policies 20-21/04 2017

Sala de Graus - Faculty of Economics and Business; University of Barcelona John M Keynes, 1-11 - Barcelona

#### Programme (2/2)

### 21/04/2017

09:00-11:15

Chaired by Libertad González (UPF & BGSE)

Marco Caliendo (Potsdam University) Start-Up Subsidies for the Unemployed: A New Evaluation Approach

Sara de la Rica (Universidad del País Vasco) Evaluation of a Minimum Income Provision Policy: The Basque Country Case

Pieter Gautier (Vrije Universiteit) with Paul Muller, Bas van der Klaauw, Michael Rosholm and Michael Svarer Estimating Equilibrium Effects of Job Search Assistance

#### 11:15-11:45 Coffee Break

#### 11:45-13:15 Session V

chaired by Laura Hospido (Banco de España)

Philipp Kircher (European University Institute) with Michele Belot and Paul Muller

*How wage announcements affect job search behavior: an experimental investigation* 

Andrea Weber (Vienna University) with David Card and Jochen Kluve What Works? A Meta Analysis of Recent Active Labor Market Program Evaluations"

#### 13:45-15:00 Lunch

#### 15:00-17:0 Session III

chaired by Susana Iranzo (UrV)

Michael Lechner (University of St. Gallen) Should case workers be tough or accommodating? The role of their and their clients heterogeneity

Barbara Petrongolo (Queen Mary University London) (with Felix Koenig and Alan Manning *Reservation wages and the wage flexibility puzzle* 



### New Perspectives in Transportation Big data Telematics towards Usage based Insurance 04/05/2017

Aula Magna, Edificio 690 Faculty of Economics and Business; University of Barcelona John M Keynes, 1-11 - Barcelona

The workshop was organised in cooperation with the Spanish Ministry of Economy, Industry and Competitiveness with the collaboration of the Department of Economy, Industry and Competitividad (FEDER), the Research Group on Governments and Markets of the UB, the Network of Reference in Applied Economy (XREAP) and the UB-Zurich Chair. The meeting, with more than 70 assistants coming from the academic and professional area, had the aim to discuss the innovations and better practices in the telematics field from the perspective of the insurance sector, the automobile sector and data analysis sector. It counts also also with the institutional vision of Catalan Traffic Service (Servei Català de Trànsit).

The workshop was divided in fours session: the perspective of insurance companies, of the automobile sector, the institutional and research perspective.

The first session outlined the strong and weak points of the new insurance telematics based products based, like the insurance pay-as-you-drive PAYD. Such products have a triple focus as a product with a new design, as a new distribution channel and new services offered to the insured parties.

The second session exposed the perspective of the automobile sector and data management sector. In the centre stood the opportunities offered by new telematic systems to capture information on the use of the vehicles and the behaviour of the drivers. Also the new trends were discussed, how the automobile sector use Big Data to create new services connecting cars.

The morning sessions of the workshop was closed by the session on the institutional perspective with a conference about the new possibilities offered by Big Data for the public traffic services.

In the afternoon, the fourth session of the workshop was about the research perspective in turn of the use of big data in the insurance and automobile sector. It was discussed the main results of the use of telemetric analysis in respect the the automobile insurances exposing a totally new vision on the data about risk factors and new possibilities of pricing and product design.



### New Perspectives in Transportation Big data Telematics towards Usage based Insurance 04/05/2017

Aula Magna, Edificio 690 Faculty of Economics and Business; University of Barcelona John M Keynes, 1-11 - Barcelona

#### Programme

<b>04/05/2017</b> 10:00-10:15 10:15-11:15	Opening session Session I La visión de las aseguradoras
	Jordi Calbet, Chief Operating Officer, Zurich Spain. La red comercial en la distribución de los seguros basados en el uso
	Daniel Rubio, Responsable de Procesos y Fidelización Autos, Seguros Catalana Occidente Los servicios al asegurado como complementos en las pólizas telemáticas
	Maribel Solanas, Responsable Big Data Mapfre. La experiencia en los seguros basados en el uso, puntos fuertes y débiles.
11:55-12:15	Session II: La visión de las automovilísticas y los datos
	Mario Romero, Head of Business Development for Spain at LUCA, Telefónica. Big data, Telematics y las nuevas posibilidades que la información ofrece
	Edouard Rozan, Managing Director Onboard Ventures, Ficosa & Idneo Tendencia en el sector de automoción sobre cómo usar el BIG Data para crear nuevos servicios al conectar los coches
	Valandis Elpidorou (Emergent Systems) Apps for telematics: the new frontier
12:15-12:35	<b>Session III: La visión institucional</b> Lluís Serrano, Cap del Servei de Gestió i Informació del Trànsit, Servei Català de Trànsit Las nuevas posibilidades del Big data para las Instituciones de Tráfico
12:35-13:30	Cocktail, Hall Aula Magna
11:55-12:15	Session IV: Research - Research and Innovation- big data and transportation
	Katrien Antonio (K University Leuven, Belgium) Unraveling the Predictive Power of Telematics Data in Car Insurance Pricing
	Montserrat Guillen (Riskcenter University of Barcelona) A methodological overview for quantifying the risk of an accident in usage- based insurance



# Activities - Conference (2017/3)

### **ITEA Annual Conference and School on Transportation Economics** 19-21/06/2016

Sala de recepciones; Faculty of Economics & Business, University of Barcelona John M Keynes, 1-11 - Barcelona

The main aim of ITEA's Conference is to promote scientific excellence in the field of transport economics by providing a forum for stimulating scientific exchange. This is the continuation of the Kuhmo-Nectar conference series. The Conference is organised as parallel scientific sessions and plenaries during two and a half days (Wednesday to Friday). There will be awards to the best overall paper and the best paper by a junior researcher.

The Keynote Lecture will be given by Professor Jacques Thisse (CORE, Université Catholique de Louvain)

The International Transport Forum (ITF) plenary sessions will be on:

- Air Connectivity with Anming Zhang (Professor in Air Transportation, Sauder School of Business, University of British Columbia) and Guillaume Burghouwt (Head of SEO Aviation Economics)
- Agglomeration and wider economic benefits with Tony Venables (BP Professor of Economics, University of Oxford; Director, Oxford Centre for the Analysis of Resource Rich Economies) and Daniel Graham (Professor of Statistical Modelling, Imperial College London)

Local Organizing Committee

- Anna Matas (Universitat Autònoma de Barcelona Chair)
- Daniel Albalate (Universitat de Barcelona)
- Javier Asensio (Universitat Autònoma de Barcelona)
- Ricardo Flores-Fillol (Universitat Rovira i Virgili)

### The scientific committee is formed by:

Bruno de Borger (Chair - University of Antwerp); Henrik Andersson (Toulouse School of Economics); Richard Arnott (University of California, Riverside); André de Palma (École Normale Supérieure de Cachan); Ricardo Flores-Fillol (Universitat Rovira i Virgili); Mogens Fosgerau (Technical University of Denmark); Marc Ivaldi (Toulouse School of Economics); Moez Kilani (University of Lille); Robin Lindsey (University of British Columbia); Heike Link )German Institute for Economics Research - DIW Berlin); Anna Matas (Universitat Autònoma de Barcelona); Ismir Mulalic (Technical University of Denmark); Se-il Mun (Kyoto University); Silvio Nocera (Università Iuav di Venezia); Stef Proost (KU Leuven); Émile Quinet (Paris School of Economics); Ian Savage (Northwestern University); and Anming Zhang (University of British Columbia)

For more information, please consult the following Web page: <u>http://www.itea2017bcn.org/index.html</u>

Information about the Conference and School is available at <a href="http://www.itea2017bcn.org/">http://www.itea2017bcn.org/</a>



## **Activities - Seminars (2015/3-2016/1)**

<u>Public support for NTBFS. Does it encourage growth? Spanish Experience</u> Elena Huergo (Universidad Complutense de Madrid) 07/07/2016

<u>Eco-Innovation and Business Competitiveness: Empirical Evidence from German Panel Data</u> Abdelfetaeh Fitat (Saint-Louis University) 12/07/2016

<u>Regional disparities, innovation and productivity</u> Karen Maguire (Regional Innovation Unit, OECD Regional Development Policy Division) 28/10/2016

<u>Unbundling curbside parking costs from housing prices and rents</u> Eren Inci (Sabançi University) 29/11/2016

Misallocation, Selection, and Productivity: A Quantitative Analysis with Micro Data from

<u>China</u> Diego Restuccia (University of Toronto) 02/12/2016

The data-driven COS method

Álvaro Leitao Rodríguez (Delft University of Technology & Centrum Wiskunde & Informatica-CWI) 02/12/2016

<u>Measuring macro-level effects of the global economic recession on university-industry research</u> <u>cooperation</u>

Joaquín M. Azagra Caro (INGENIO; CSIC, UPV)) 20/12/2016

Drivers of Environmental Certifications at Industry Level Ester Martínez-Ros (Universidad Carlos III - Madrid) 04/04/2017

<u>Comparing Policy Agendas over Time: The Case of Industrial and Policies in the EU</u> Slava Mikhaylov (University College of London) 04/05/2017

<u>Tools for causal inference from cross-sectional innovation surveys with continuous or discrete</u> <u>variables: theory and applications</u> Alexander Coad (Centrum-Catolica Graduate Business School - Lima, Peru)

29/05/2017

<u>Optimal feed-in-tariffs for Household Photovoltaic Panels in France</u> María Eugenia Sanin Vázquez (Centre d'Études des Politiques Économiques (EPEE) -Université d'Évry Val d'Essonne) 06/06/2017

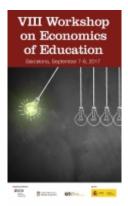


# Next Activities - Workshop (2017/1)

# VIII Workshop on Economics of Education 07-08/09/2017

Faculty of Economics and Business; University of Barcelona John M Keynes, 1-11 - Barcelona

The intended aim of this workshop is double: on the one hand, to establish and share the theoretical and methodological knowledge frontier of economics of education. On the other hand, to have access to a diversity of applied studies in which different methodologies are used. Both macro and micro-economic topics are of interest. The Workshop especially welcomes research that applies advanced econometric techniques. Although the Workshop focuses on empirical papers, theoretical studies are also welcome. The accepted papers (10) will be presented in plenary sessions that will complement the two keynote speakers' presentations.



#### Topics of Interest

Policy Evaluation; Education inequalities; Benefits of Education; Disabilities; Gender; Competence acquisition; Lifelong learning; Training; Skills formation; PISA, PIRLS, TIMSS, PIAAC; School Autonomy; Teacher's quality; Scholarships & Loans; University Financing; University Access.

The workshops counts with two key note speakers:

- Sandra McNally (University of Surrey, CEP, CVER, LSE); and
- Torberg Falch (Norwegian University of Science & Technology)

### The scientific Committee is formed by

Sandra McNally (University of Surrey, CEP, CVER, LSE); Torberg Falch (Dep. of Teacher Education, Norwegian University of Science and Technology); Jorge Calero (Universitat de Barcelona & IEB); J. Oriol Escardíbul (Universitat de Barcelona & IEB); Toni Mora (Universitat Internacional de Catalunya & IEB); Martí Parellada (Universitat de Barcelona & Director of the IEB); Raúl Ramos (AQR-IREA, Universitat de Barcelona); Josep Lluís Raymond (Universitat Autònoma de Barcelona & IEB)

Deadlines Early registration: June 1 to July 27, 2017 Late registration: July 28 to September 6, 2017



# Next Activities - Workshop (2017/2)

# VIII Workshop on challenges of innovation policy 24/11/2017

Faculty of Business and Economics; University Rovira i Virgili Av. Universitat, 1; 43204 – Reus (Spain)

The number of contributions which cope with the innovation issues has increased significantly during the last years. The availability to the access of International databases and their detailed information have facilitated this larger interest. However, the socioeconomic dynamics imply that this phenomenon must widen its focus in order to facilitate the decision of key agents (in particular firms, policy-makers, universities and public agencies).

The workshop has a double aim. On the one hand, morning sessions will cope with new issues about the European innovation policy. On the other hand, in the afternoon we aim to establish technical challenges that researchers face up to when adopting an empirical approach.

With that purpose, the workshop will be driven by two researchers of international prestige:

- Pierre Mohnen, Professor of UNU-MERIT (Holland) with a wide experience in the fields of innovation and European policies.
- Harald Oberhofer, Professor of Vienna University (Austria) with a wide experience in the fields of innovation and industrial organization

The workshop is a collaborative initiative between members from URV and UB under the support from XREAP. The organisation committee is formed by

- José García-Quevedo, Universitat de Barcelona
- Mercedes Teruel, Universitat Rovira i Virgili
- Agustí Segarra-Blasco, Universitat Rovira i Virgili



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#### Programme

04/05/2017	
09:15-09:30	Welcome reception
09:30-10:30	Keynote Lecture
	New challenges of innovation policies
	by Pierre Mohnen
10:30-11:30	Session I: Challenges in topics of innovation
11:30-12:00	Coffee break
12:00-13:00	Session II: Challenges in topics of innovation
13:00-14:00	Lunch
14:00-15:00	Session III: Challenges in topics of innovation
15:00-16:00	Session IV: Challenges in topics of innovation
16:00-17:00	Keynote Lecture
	Technical challenges on innovation"
	by Harald Oberhofer
16:00-17:00	Coffee break
16:00-17:00	Young Workshop: "Guidelines for young researchers"
	by Harald Oberhofer and Pierre Mohnen
16:00-17:00	Closure



# Next Activities - Workshop (2017/2)

### VIII Workshop on regional and urban economics Causal Inference in Regional & Urban Economics. Theory and Applications. 23-24/11/2017

Faculty of Economics and Business, University of Barcelona John M Keynes, 1-11 - Barcelona

The workshop will be focused on causal inference in spatial economics. Its aim is to bring together researchers in urban and regional economics that are working in the development of methods that allow estimating causal effects of phenomena in which the spatial component plays a prominent role, as well as empirical exercises in which spatial causal inference is provided. Papers in all areas are welcome, as long as they include a spatial perspective and deal with the issue of causality. Although the Workshop will focus on empirical papers, theoretical studies are also welcome.

Keynote speaker:

The workshop includes one keynote speeach held by

• Peter Egger (KOF Swiss Economic Institute, ETH Zürich)

The organising committee is formed by

Josep Lluís Carrion I Silvestre, Antonio Di Paolo, Enrique López-Bazo (coordinator), Rosina Moreno, Raul Ramos, Vicente Royuela, and Jordi Suriñach (all AQR –Universitat Barcelona)

The scientific committee is formed by:

Josep Lluís Carrion I Silvestre, Antonio Di Paolo, Enrique López-Bazo (coordinator), Rosina Moreno, Raul Ramos, Vicente Royuela, Jordi Suriñach. (all AQR –Universitat Barcelona); Peter Egger (KOF Swiss Economic Institute, ETH Zürich), Jordi Jofre (IEB - Universitat de Barcelona)

Relevant dates:

- Deadline for papers submission: September 15th 2017
- Notification of acceptance: September 22nd 2017
- Preliminary programme: October 6th 2017
- Registration opens: October 9th 2017
- Final programme: October 30th 2017

For more information, please consult the following Web page: https://workshop2017aqr.wordpress.com/call-for-papers/



### **XREAP - Joint Publications** Working Papers (2016/1)

[available at http://xreap.cat/ca/category/document-de-treball]

### XREAP2016-01

Modelizaci'on de la dependencia del n'umero de siniestros. Aplicación a Solvencia II. Anna Castañer (CREB, XREAP); Mª Mercè Claramunt (CREB, XREAP) Alba Tadeo & Javier Varea (CREB, XREAP). (RFA-IREA) <u>http://www.xreap.cat/RePEc/xrp/pdf/XREAP2016-01.pdf</u>

**Resume:** En este trabajo se estudia el efecto de la dependencia entre dos subcarteras en el requerimiento de capital obligatorio (SCR) por primas y reservas en una cartera de seguros no vida. Para ello, la dependencia se establece entre el número de siniestros de cada subcartera, que se modeliza mediante un choque común. A continuación, se plantean diversas opciones para el cálculo de la distribución del coste total en la cartera agregada, obteniéndose fórmulas explícitas en algunos casos. Finalmente, se incluye una aplicación práctica a partir de datos de una cartera real de seguros de automóviles

Key words: Dependencia, Choque común, Solvencia II

#### XREAP2016-02

*Financial constraints and the failure of innovation projects* García-Quevedo, J. (IEB, XREAP); Segarra, A. (GRIT, XREAP); Teruel, M. (GRIT, XREAP) <u>http://www.xreap.cat/RePEc/xrp/pdf/XREAP2016-02.pdf</u>

**Resume:** Theoretical and empirical approaches have stressed the existence of financial constraints in firms' innovative activities. Although a large number of innovation projects are abandoned before their completion, the empirical evidence has focused on the determinants of innovation while failed projects have received little attention. This paper analyses the role of financial obstacles on the likelihood of abandoning an innovation project by using panel data of potential innovative Spanish firms for the period 2005–2013. Our analysis differentiates between internal and external barriers on the probability of abandoning a project and we examine whether the effects are different depending on the stage of the innovation process. Controlling for potential endogeneity, we use a bivariate probit model to take into account the simultaneity of financial constraints and the decision to abandon an innovation project. Our results show that financial constraints most affect the probability of abandoning an innovation project during the concept stage.

Key words: barriers to innovation, failure of innovation projects, financial constraints



## **XREAP - Joint Publications** Working Papers (2016/2)

### XREAP2016-03

What is the role of innovation strategies? Evidence from Spanish firms Jové-Llopis, E. (GRIT, XREAP); Segarra, A. (GRIT, XREAP). http://www.xreap.cat/RePEc/xrp/pdf/XREAP2016-03.pdf

**Resume:** This paper discusses the determinants of two alternative measures of innovative success/output by looking at firm's innovation strategies. These relationships are also discussed by distinguishing between firms belonging to manufacturing and services sectors. Our econometric analysis is based on an extensive sample of 3,919 firms taken from the Spanish Technological Innovation Panel (PITEC) for the period 2008–2012. Alongside the empirical analysis we applied a two-step procedure. We first identified a diverse range of innovation strategies by applying a principal component analysis (absence, mixed and oriented). Then, after controlling for positive skewness of the dependent variables, we used a generalized linear model (GLM) to examine the impact of these strategies. Our empirical results have some interesting aspects. Firstly, firms that do not design innovation strategies have a lower probability of being a successful innovative firm. Secondly, firms that design a strategy, but one that is not oriented on any specific direction, are prone to achieving lower success rates than firms with an oriented strategy. Finally, the results also show that there is a good fit between the oriented strategy pursued by a firm and its innovation success

Key words: innovation strategy, innovation success, innovation objectives, Spain, PITEC.

### XREAP2016-04

Persistent and transient efficiency on the stochastic production and cost frontiers – an application to the motorway sector Albalate, D. (GiM-IREA, XREAP), Rosell, J. (GiM-IREA, XREAP). http://www.xreap.cat/RePEc/xrp/pdf/XREAP2016-04.pdf

**Resume:** This paper implements both stochastic production and cost frontier analyses to estimate the efficiency of toll motorway companies in Spain, the country with the largest number of private concessionaires in this economic sector. Our dataset includes 32 concessionaires with different features for a time span of 26 years (1988-2014). The results support the existence of scale and density economies, showing that an increase in vehicle-kilometers is more important for cost efficiency than extending the motorway. The differences between transient and persistent efficiency are significant, so that we can test for regulatory and ownership differences. The price cap regulation seems to increase management technical efficiency. Regional governments grant better projects than central governments and, as shareholders, they also perform better. However, their performance is not significantly differently from that of full private concessionaires. We also find limited evidence of efficiency and regulatory reforms aimed at enhancing technical efficiency in the sector.

Key words: Motorways; Efficiency; Stochastic Frontier, Concessions, Infrastructure.



## **XREAP - Joint Publications** Working Papers (2016/3)

### XREAP2016-05

Local labor market effects of public employment Jofre-Monseny, J. (IEB, XREAP), Silva, J. I., Vázquez-Grenno, J. (IEB, XREAP) http://www.xreap.cat/RePEc/xrp/pdf/XREAP2016-05.pdf

**Resume:** This paper quantifies the impact of public employment on local labor markets in the long-run. We adopt two quantitative approaches and apply them to the case of Spanish cities. In the first, we develop a 3-sector (public, tradable and non-tradable) search and matching model embedded within a spatial equilibrium model. We characterize the steady state of the model, which we calibrate to match the labor market characteristics of the average Spanish city. The model is then used to simulate the local labor market effects of expanding public sector employment. In the second empirical approach, we use regression analysis to estimate the effects of public sector job expansions on decadal changes (1980-1990 and 1990-2001) in the employment and population of Spanish cities. This analysis exploits the dramatic expansion of public employment that followed the advent of democracy in the period 1980 to 2001. The instrumental variables' approach that we adopt uses the capital status of cities to instrument for changes in public sector employment. The two empirical approaches yield qualitatively similar results and, thus, cross-check each other. One additional public sector job creates about 1.3 jobs in the private sector. However, these new jobs do not translate into a substantial reduction in the local unemployment rate as better labor market conditions attract new workers to the city. Increasing public employment by 50% only reduces unemployment from 0.156 to 0.150

Key words: public employment, search, local multipliers, unemployment.

### XREAP2016-06

Next train to the polycentric city: The effect of railroads on subcenter formation Garcia-López, M. A. (IEB, XREAP), Hemet, C., Viladecans-Marsal, E. (IEB, XREAP) http://www.xreap.cat/RePEc/xrp/pdf/XREAP2016-06.pdf

**Resume:** The Korean government has struggled against the proliferation of private tutoring for more than four decades. In 2006, state education authorities imposed a restriction on operating hours of hagwon (private tutoring academies or cram schools) in an attempt at reducing the economic and time resources spent on private tutoring. Since then, some provincial authorities have modified the curfew on hagwon. We take advantage of these policy shifts to identify average treatment effects taking a difference-in-differences approach. Our findings suggest that enforcing the curfew did not generate a significant reduction in the hours and resources spent on private tutoring, our results being heterogeneous by school level and socioeconomic status. Demand for private tutoring seems to be especially inelastic for high school students, who increased their consumption of alternative forms of private tutoring. As the consumption of private tutoring is positively correlated with academic performance and socioeconomic status, the curfew may have a negative effect on the equality of educational opportunities.

Key words: urban spatial structure, decentralization, subcenters, polycentric city, transportation



## **XREAP - Joint Publications** Working Papers (2016/4)

### XREAP2016-07

Local labor market effects of public employment Vayá, E. (AQR-IREA, XREAP), García, J. R. (AQR-IREA, XREAP), Murillo, J. ( (AQR-IREA, XREAP), Romaní, J. (AQR-IREA, XREAP), Suriñach, J. (AQR-IREA, XREAP) http://www.xreap.cat/RePEc/xrp/pdf/XREAP2016-07.pdf

**Resume:** Tourism is a highly dynamic sector. An example of this is the boom that cruise tourism has seen in recent years, leading many countries to consider cruises a key product in their development of tourism. The Port of Barcelona has become the leading cruise port in the Mediterranean area (2.4 million cruise passengers in 2014), highlighting its role as both a port of call and a homeport. Such leadership is explained by the conjunction of several factors; its strategic geographical position, its high quality port and transportation infrastructures, and the attractiveness of the city of Barcelona itself, for both its cultural and artistic heritage and its leisure and shopping opportunities. This article quantifies the local and regional economic impact generated by cruise activity in the Port of Barcelona. Using input-output methodology, its overall impact is computed for the year 2014 as the sum of three partial impacts: direct effect, indirect effect and induced effect. This article is pioneering at the European level, in combining different issues: estimating the impact of the Barcelona Cruise Port activity, presenting these impacts disaggregated at a sectoral level, using a rigorous methodology and carrying out extensive fieldwork. The estimated impacts demonstrate that all sectors, not just traditional tourism-related sectors, benefit from cruise tourism. Despite the significant economic benefits that cruise activity has generated over the whole Catalan economy, it is important to note that such activity also generates negative externalities associated with congestion and environmental issues. The reduction of these negative effects is one of the major challenges in making the development of cruise tourism sustainable in a city like Barcelona

Key words: Cruise Tourism, Port of Barcelona, Economic Impact, Input-Output Methodology.

### XREAP2016-08

Improving automobile insurance ratemaking using telematics:incorporating mileage and driver behaviour data Ayuso, M. (Riskcenter, XREAP); Guillén, M. (Riskcenter, XREAP); Nielsen, J. P. (Cass Business School, City University London) http://www.xreap.cat/RePEc/xrp/pdf/XREAP2016-08.pdf

**Resume:** We show how data collected from a GPS device can be incorporated in motor insurance ratemaking. The calculation of premium rates based upon driver behaviour represents an opportunity for the insurance sector. Our approach is based on count data regression models for frequency, where exposure is driven by the distance travelled and additional parameters that capture characteristics of automobile usage and which may affect claiming behaviour. We propose implementing a classical frequency model that is updated with telemetrics information. We illustrate the method using real data from usage-based insurance policies. Results show that not only the distance travelled by the driver, but also driver habits, significantly influence the expected number of accidents and, hence, the cost of insurance coverage. Telemetry should facilitate the inclusion within insurance pricing of those factors that traffic authorities identify as being associated with risky drivers, including, for example, traffic violations

Key words: tariff, premium calculation, pay-as-you-drive insurance, count data models.



## **XREAP - Joint Publications** Working Papers (2016/4)

### XREAP2016-09

How do road infrastructure investments affect the regional economy? Evidence from Spain Ruíz, A. (GEAP, XREAP), Matas, A. (GEAP, XREAP), Raymond, J. Ll. (GEAP, XREAP) http://www.xreap.cat/RePEc/xrp/pdf/XREAP2016-09.pdf

**Resume:** This paper analyses the relationship between road infrastructure improvements and investment in capital assets. Using aggregate data at a provincial level for 1977-2008, an equation for machinery and equipment investment is estimated applying Panel Corrected Standard Errors. The results indicate that the long-term elasticities of investment in relation to market potential, GDP and average years of schooling are 0.90, 0.75 and 0.80, respectively. Additionally, the long run impact of a road infrastructure investment policy is assessed. We find that the elasticities of investment in machinery and equipment, capital stock and GDP in relation to travel time are 1.18, 0.33 and 0.11, respectively.

Key words: Road infraestructure, Regional investment, Market potential, Travel time



### **XREAP - Joint Publications** Working Papers

also available at



Dialnet [http://dialnet.unirioja.es/servlet/revista?tipo\_busqueda=CODIGO&clave\_revista=9345]





## **XREAP - News (2016/1)**

### **News from XREAP**

Here we do not offer information about all projects presented by the different research groups forming XREAP, but only these ones, which have been presented in the name of XREAP. In 2014 y 2015, XREAP has been involved in the elaboration of a proposal within the European research programme Norface.

### News from the Research groups



# Two researcher of the IEB, obtained grants from the programme Recercaixa

The program RecerCaixa, that drives scientific researches with social vocation, has awarded two of his grants to researchers of the IEB, José García de Quevedo and Pilar Sorribas. The IEB Obtains so two of the 18 research grants for the next two years, for studies about the political and social challenges caused by the climatic change and about the rol of social actors regard to the political corruption.

#### Joaquim Coello, honorary president of the IEB

After seven years as president of the Institute of Economics of Barcelona (IEB), Joaquim Coello was appointed honorary president of the institution. Coello took the position of first President of IEB Foundation since its establishment in 2008, maintaining its position until 2015, when he passed the baton to the president of Abertis Infraestructuras, Salvador Alemany.

# Martí Parellada replaces Salvador Alemany as president of the IEB Foundation

The board direction of the Fundació Institut d'Economia de Barcelona has unanimously agreed to appoint Martí Parellada, who has been the director of IEB until now, to replace Salvador Alemany as the new president of the Fundació IEB. The board has also agreed to appoint Josep M. Durán, who has occupied the position of manager until now, as new director of the IEB.



### XREAP - News (2016/3)

### **News of researchers**



#### David Castells-Quintana wins the prize José Manuel Blecua

David Castells-Quintana has been awarded with the José Manuel Blecua prize for the best article published in a recognized journal in the field of Humanities and Social Sciences awarded annually by the Social Council of the University of Barcelona for his article "Malthus living in slum: Urban concentration, infraestructure and economic growth" in the Journal of Urban Economics. The award ceremony will take place at the Aula Magna of the Historical Building of the University of Barcelona on November 24th.

#### Dr. Jordi Suriñach president of the AECR

Dr. Jordi Suriñach re-elected to the presidency of the Spanish Regional Science Association (AECR). On 1st July 2016, Jordi Suriñach, (Professor of Economics, Faculty of Economics and Business at the University of Barcelona, director of the Institute for Research in Applied Economics, IREA, and member of AQR Research Group) was re-elected to the presidency of the Spanish Association Regional Science (AECR) in which he is the president since 2012.

#### David Castells-Quintana UB Extraordinary Doctoral Prize

David Castells-Quintana has awarded the UB Extraordinary Doctoral Prize 2015/2016. The PhD in Economics at the University of Barcelona and Associated Researcher at AQR, has awarded the UB Extraordinary Doctoral Prize 2015/2016 for his thesis "Three Empirical Essays on Concentration of Resources and Economic Growth".

### Dr. Raul Ramos, president of the Governing Board of the AEET

Dr. Raul Ramos was elected as President of the Governing Board of the Asociación Española de Economía del Trabajo (AEET) in the Member's Assembly at the XII Jornadas de Economía Laboral that took place in Valladolid between the July 5th and July 7th 2017.

# Los investigadores del IEB Oriol Escardíbul y Maite Vilalta appointed to the governing bodies of the University Barcelona.

The recent reorganisation of the governing bodies of the University of Barcelona (UB) has seen the appointment of two members of the Barcelona Institute of Economics (IEB). Researcher Oriol Escardíbul has been named Vice-Rector for Finance, a position that depends directly on the Rector, Dr Joan Elias i García, while researcher Maite Vilalta has been appointed Rector's Delegate for Social Action.







#### Dr. Ramon Alemany, new Dean of the Faculty of Economics and Business of the University of Barcelona.

Last March 23rd 2017, the Faculty board elected Dr. Ramon Alemany as new Dean of the Faculty of Economics and Business of the University of Barcelona. Dr. Raul Ramos, researcher at AQR, has also been appointed as Vicedean of Research and Doctorate.



### Alex Coad and Mercedes Teruel win Richard R. Nelson Prize 2016

The Richard R. Nelson Prize for 2016 has been awarded to Professors Alex Coad and Mercedes Teruel for their article, "Inter-Firm Rivalry and Firm Growth: Is There any Evidence of Direct Competition between Firms?" in Industrial and Corporate Change, 22 (2013). The Richard R. Nelson Award Prize is awarded every 2 years for the best article, alternately, in the academic journals Industrial and Corporate Change (Oxford University Press) and Research Policy (Sage).



### XREAP - News (2016/4)

### **New Books**



**Costa-Campi, M.T.; Garrido, A.; Parellada, M.; Sanromà, E. (Eds.),** *Economía Europea: Crecimiento, competitividad y mercados* Alianza Editorial. Madrid. 2016

**Parellada, M.; Àlvarez, M.; Mediavilla, A.** La contribución de las universidades españolas al desarrollo Fundación CYD 2016

Rubino, A.; Costa-Campi, M.T.; Lenzi, V.; Ozturk, I. Regulation and investments in energy markets

Academic Press – Elsevier. London. 2016

#### Calero, J.; Escardíbul, J.O.

*La calidad del profesorado en la adquisición de competencias de los alumnos.* Fundación Europea Sociedad y Educación. Madrid. 2016

**Teruel-Carrizosa, M.; Segarra-Blasco, A.; García-Quevedo, J**. *Restricciones financieras y el abandono de proyectos de innovación en las empresas españolas* Estudios econométricos PITEC 2016. Fundación Española para la Ciencia y la Tecnología (FECYT) (Spain)



# **XREAP - Research groups**



Grup d'Anàlisi Econòmica Aplicada (GEAP)



Grup d'Anàlisi Quantitativa Regional (AQR-IREA) http://www.ub.edu/aqr/



Centre de Recerca en Economia del Benestar (CREB) http://www.eco.ub.es/~creb



Grup de Recerca d'Industria i Territori (GRIT) http://gandalf.fcee.urv.es/departaments/economia/web/english/recerca/grups/grit/



Institut d'Economia de Barcelona (IEB) http://www.ieb.ub.edu



Grup de Recerca Governs i Mercats (GIM-IREA) http://www.ub.edu/gim



Grup de Recerca en Finances i Assegurances (RFA-IREA) http://www.ub.es/dpees/risk



Managment Organization Fundació Bosch i Gimpera http://www.fbg.ub.es



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