



ANNUAL RESEARCH REPORT

2018

Research articles

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| Articles published and accepted in international journals with impact factor:

Weber, G., Cabras, I., Calaf-Forn, M., Puig-Ventosa, I., D'Alisa, G. (2019) Promoting Waste Degrowth and Environmental Justice at a Local Level: The Case of Unit-Pricing Schemes in Spain. Ecological Economics 156: 306-317.

Weber, G., Calaf-Forn, M., Puig-Ventosa, I., Cabras, I., D'Alisa, G. (2018) The role of environmental organisations on urban transformation: The case of waste management in Esporles (Mallorca) Journal of Cleaner Production 195: 1546-1557.

Campos Rodrigues, L., Freire González, J., González Puig, A., Puig Ventosa, I. (2018) Climate Change Adaptation of Alpine Ski Tourism in Spain. Climate, 6 (2), 29.

Freire-González, J., Decker, C. A., Hall, J. W. (2018) A Linear Programming Approach to Water Allocation during a Drought. Water, 10(4), 363.

Freire-González, J., Ho, M. (2018) Environmental Fiscal Reform and the Double Dividend: Evidence from a Dynamic General Equilibrium Model. Sustainability, 10(2), 501.

Freire-González, J. (2018). Environmental taxation and the double dividend hypothesis in CGE modelling literature: a critical review. Journal of Policy Modeling 40(1), 194-223.

Blikra, E., Martinez-Sanchez, V., Thomsen, M. (2018) A Review of Waste Management Decision Support Tools and Their Ability to Assess Circular Biowaste Management Systems. Sustainability, 10(10), 3720.

Ertör, I., Ortega, M. (2018) The expansion of intensive marine aquaculture in Turkey: The next-to-last commodity frontier? Journal of Agrarian Change:1-24.

Freire-González, J., Puig-Ventosa, I. (2018) Reformulating taxes for an energy transition. Energy Economics, 78: 312-323.

Weber, G., Calaf, M., Puig, I., D'Alisa, G. (2018) The role of environmental organisations on urban transformation: The case of waste management in Esporles (Mallorca). Journal of Cleaner Production, Volume 195: 1546-1557.

Sastre, S., Llopart, J., Puig, I. (2018) Mind the gap: A model for the EU recycling target applied to the Spanish regions. Waste Management, 79: 415-427.

In 2014 ENT approved its **2014-2020 Research Plan**, which includes a series of indicators and their evaluation through annual research reports. The results for 2018 are presented below.

Research articles

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Gorostiza, S. and Saurí, S. (2019) "Naturalizing pollution: a critical social science view on the link between potash mining and salinization in the Llobregat river basin, northeast Spain", *Philos Trans R Soc Lond B Biol Sci.* Jan 21; 374(1764): 20180006.

| Other research publications in 2018:

Puig Ventosa, I., Roca Jusmet, J. (2018) La fiscalitat com a instrument de política ambiental (pp. 429-449) en AA.VV. "Cap a un model eficient i equitatiu". Col·legi d'Economistes de Catalunya, 3r Congrés d'Economia i Empresa de Catalunya- Full papers, 54.

Puig I., Sastre, S. Iriani, M. (2018) Una mirada a las tasas de residuos en España 2018. *Equipamiento y Servicios Municipales*, nº 185: 10-14.

Puig Ventosa, I., Pinos Flores, J., Banegas, F., Quezada, F., Delgado, G., Orellana, N., Saquisilí, S., Quindi, T., Chacón, G. (2018) Instrumentos económicos para la gestión de residuos de envases en Ecuador. *Ciencia Digital*, 2(2): 123-143.

Freire González, J. (2018) ¿Por qué es necesario impulsar una Reforma Fiscal Ecológica? *Ambienta*, 125: 42-49.

Puig Ventosa, I., Martínez Sojos, A., Vicuña del Pozo, A., Córdova Vela, G., Álvarez Rivera, P. (2018) Subsidios a los Combustibles Fósiles en Ecuador: Diagnóstico y Opciones para su Progresiva Reducción. *Revista Iberoamericana de Economía Ecológica*, 28 (1): 73-92.

Puig Ventosa, I. (2018) La efectividad de los impuestos sobre la contaminación atmosférica en España. *Papeles de trabajo*, Instituto de Estudios Fiscales, 4/2018.

Gorostiza, S., March, H. and Saurí, D. (2018) "Piercing the Pyrenees, connecting Catalonia to Europe: the ascendancy and dismissal of the Rhône water transfer project (1994-2016)" in Menga, F. & Swyngedouw, E. (Eds.), *Water, Technology and the Nation-State*. London, New York: Routledge, pp. 50-64.

Saurí, S., Gorostiza, S. and Pavón, D. (2018) "Wet dreams with a grain of salt: desalination in Spain's water policy" in Williams, J. and Swyngedouw, E. (Eds.), *Tapping the Oceans. Seawater Desalination and the Political Ecology of Water*. Cheltenham, Northampton: Edward Elgar Publishing, pp. 24-39.



Contributions in international events

Chaparro, L. “Viabilidad para establecer un sistema de responsabilidad ampliada del productor, y otras acciones para mejorar la recogida y el reciclaje de envases de bebidas”. SWITCHMED Forum sur la prévention des déchets marins. Rabat (Marroc), 10th May 2018.

Puig, I. “Taxation, Welfare and Environment”. Fórum Internacional Tributário. Sao Pablo (Brasil), 4-6th June 2018.

Puig, I. “Pago por generación e incentivos a la prevención de residuos a escala municipal”. INTHERWASTE Thematic Seminar #4. Còrdoba, 13-14th June 2018.

Martínez Sánchez, V. “Análisis de costes de ciclo de vida sobre la gestión del desperdicio de alimentos en Dinamarca: Importancia de los efectos indirectos”. Biometa 2018. Barcelona, 18-19th June 2018.

Chifari, R. “Viabilidad de la implementación de un sistema descentralizado para la valorización de los bioresiduos. Aspectos a considerar”. Biometa 2018. Barcelona, 18-19th June 2018.

Freire-González, J., Ho, M. “The economic and environmental effects of an environmental fiscal reform in a dynamic CGE framework”. 8th Atlantic Workshop on Energy and Environmental Economics. A Toxa, 21-22th June 2018.

Freire-González, J., Ho, M. “The Economic and Environmental Effects of an Environmental Fiscal Reform in a Dynamic CGE Framework”. Energy Modelling Platform for Europe 2018 – Modelling clean energy pathways. Brussels (Belgium), 25-26th September 2018.

Campos Rodrigues, L. i Puig, I. “Taxes on air pollution in Spain”. 19th Global Conference on Environmental Taxation (GCET19). Madrid, 26-28th September 2018.

Campos Rodrigues, L. “Impacto socio-económico de la custodia del territorio en España”. Jornada Anual de la XCT-XVAC. Barcelona. 6th November 2018.

Campos Rodrigues, L. “Proyecto H2020 NATURVATION-Urban Nature Atlas”. CONAMA. Madrid, 26-29th November 2018.

Own publications

Two issues of the **Ecología Política** journal were coordinated and published (www.ecologiapolitica.info):



Ecologías políticas de la India y el Sur de Asia. June 2018. Ecología Política. Num. 55



Ecologías políticas de China. December 2018. Ecología Política. Num. 56.





Projects

| These were the main research projects in 2018:

ANÁLISIS SOCIO-ECONÓMICO DE LA CUSTODIA DEL TERRITORIO EN ESPAÑA

(Socio-economic analysis of the land stewardship in Spain)

Financed by Fundación Biodiversidad

<https://ent.cat/impacte-socioeconomic-de-la-custodia-del-territori-a-espanya/?lang=es>

INSTRUMENTOS FISCALES PARA LA ECONOMÍA CIRCULAR EN ESPAÑA

(Fiscal instruments for the circular economy in Spain)

Financed by Instituto de Estudios Fiscales

<https://ent.cat/instrumentos-fiscales-per-a-leconomia-circular-a-espanya/?lang=es>

METRES - H2020: Modelling Environmental Tax Reform in Spain

Financiado por la Comisión Europea

<http://ent.cat/modelling-environmental-tax-reform-in-spain/?lang=en>

NATURVATION - H2020 Nature-based solutions

Financiado por la Comisión Europea

<http://ent.cat/naturvation-h2020-nature-based-solutions/?lang=en>

LA EFECTIVIDAD DE LOS IMPUESTOS SOBRE LA CONTAMINACIÓN ATMOSFÉRICA EN ESPAÑA

(The effectiveness of taxes on air pollution in Spain)

Financed by Instituto de Estudios Fiscales

<http://ent.cat/lefectivitat-dels-impostos-sobre-la-contaminacio-atmosferica-a-espanya/?lang=en>

ECONOMIC BENEFITS OF MARINE PROTECTED AREAS

Financiado por la Comisión Europea

<https://ent.cat/la-comissio-europea-publica-lestudi-sobre-els-beneficis-economics-de-les-arees-marines-protegides/?lang=en>

DECISIVE - H2020: DECentralized management Scheme for Innovative Valorization of urban biowaste

Financiado por la Comisión Europea

<http://ent.cat/decisive-decentralized-management-scheme-for-innovative-valorization-of-urban-biowaste/?lang=en>

TECHNOLOGICAL PROGRESS AND ENVIRONMENTAL LIMITS: LOOKING FOR SOLUTIONS FOR THE JEVONS' PARADOX

Financed by BEATRIU DE PINÓS scholarship obtained by Jaume Freire (ENT Foundation)



Fellows

| In 2018 ENT Foundation had 2 *fellows*:

Dr. Santiago Gorostiza. Institute of Environmental Sciences and Technology (ICTA) of the Autonomous University of Barcelona.

Dr. Gabriel Weber. ESSCA, School of Management (Angers, França).

Secondments / Internships

| In 2018 we hosted two interns:

Giorgia Faraca

(November 2017 - February 2018)

PhD student at the Technical University of Denmark, supported one of the projects of the ENT Foundation, analyzing the costs and environmental impacts of the recycling of plastic waste and its valorization in a circular economy.

Eldbjørg Blikra

(February 2018 - May 2018)

PhD student at the Aarhus University (Denmark), her project was focused on life cycle assessment and decision making for the circular management of bio-resources. He participated in the DECISIVE project with the main objective of valorizing biowaste in urban areas through decentralized management systems.



| **ENT environment & management**

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| **MORE INFORMATION**

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