



ENT | 2018

# **Research for environmental policy assessment at ENT**

# BRIEF PRESENTATION



**ENT** is a consultancy and private research centre created in 2001, with two different legal forms: a company and a foundation.

**Mission:** contributing towards a socially, environmentally and economically sustainable society by studying and implementing innovative approaches mainly in the fields of environmental policies.

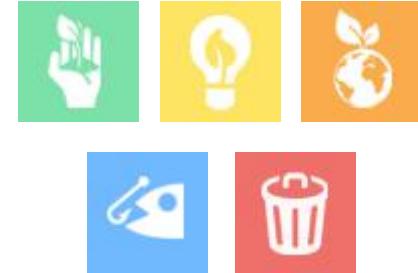
ENT is based in Vilanova i la Geltrú (Barcelona)



# BRIEF PRESENTATION

Our main working areas are:

- waste management
- ecological and environmental economics
- environmental justice and political ecology
- fishing policies



We work mainly for Public Administrations (local, regional, national, and particularly European level), but also for NGOs, Universities, trade unions, political parties, etc.

ENT is formed by 14 experienced engineers, graduates, postgraduates and PhDs from different fields related to environmental management.

# RESEARCH PROGRAMME



ENT has a specific research programme, which indicates the main actions foreseen, priorities and main resources allocated to research.

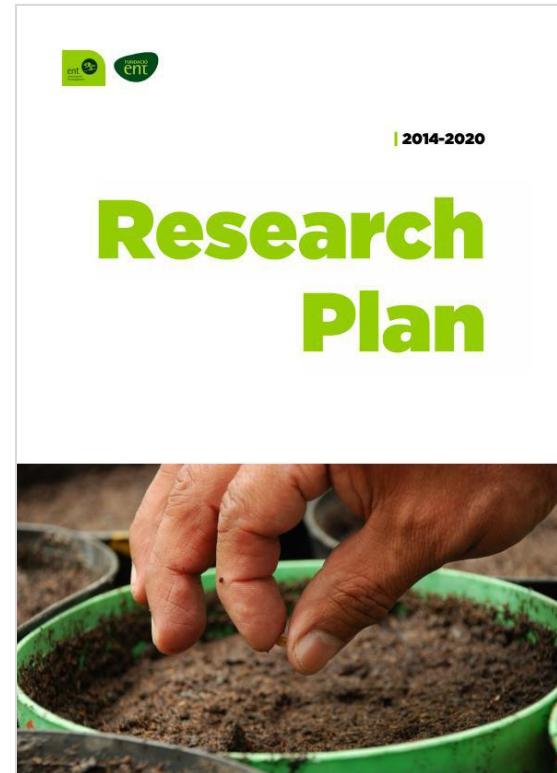
## Research Plan 2014-2020

Summary available here:

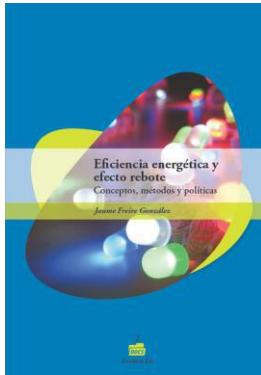
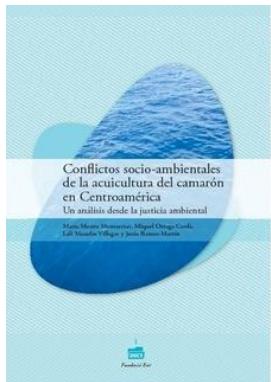
<http://ent.cat/wp/docs/Research%20Plan.pdf>

Here you can find our Research Report 2016:

[http://ent.cat/wp-content/uploads/2017/01/Research-Report\\_en.pdf](http://ent.cat/wp-content/uploads/2017/01/Research-Report_en.pdf)



# OWN MEANS OF PUBLICATION



## ECOLOGÍA POLÍTICA

Fundació ENT co-edits with Icaria Editorial, this journal on political ecology published in Spanish.

## COL·LECCIÓ DOCS

# **Research at ENT**



# WHEN DO WE DO RESEARCH?

## (I)

### In the framework of specific research projects:

1. Getting involved in consortia taking part in competitive calls for proposals. Often led by Universities or research centres.
  1. European. [Example 1: the ENTITLE project](#)
  2. National. [Example 2. Torres Quevedo programme on local finances](#)
  3. Regional. Example 3. AGAUR Catalan project.
2. Being subcontracted by universities.

# Example 1. Research project at European level



## ENTITLE project on political ecology

**ENTITLE** is an EU-funded Initial Training Network under the Marie Curie actions of FP7, coordinated by ICTA at the Autonomous University of Barcelona and with the collaboration of 11 research and NGO partners (including ENT Environment & Management).

ENTITLE will train 17 researchers in the emerging field of Political Ecology, giving them the theoretical, analytical and complementary skills related to environmental policy analysis and advocacy. Research is based on a series of empirically-based investigations of a geographically and thematically diverse set of case-studies.

### Articles:

- [Ertor,I., Ortega, M. \(2015\) Political lessons from early warnings: Marine finfish aquaculture conflicts in Europe. Marine Policy, Volum 51, p. 202-210.](#)

# Example 2. Research project at national level

## **Torres Quevedo project on sustainable local finances.**

*Several publications derived:*

- Puig Ventosa, I., González, A.C. La efectividad de los impuestos ambientales sobre el vertido y la incineración de residuos existentes en España. Documentos, 9/2012. Instituto de Estudios Fiscales. Ministerio de Hacienda y Administraciones Públicas.

[http://www.ief.es/documentos/recursos/publicaciones/documentos\\_trabajo/2012\\_09.pdf](http://www.ief.es/documentos/recursos/publicaciones/documentos_trabajo/2012_09.pdf)

- Puig Ventosa, I., González, A. C. “Haciendas locales y medio ambiente: situación y posibles reformas”, in: Serrano Antón, F. (Coord.) Tributación ambiental y haciendas locales, Colección Defensor del Contribuyente. Civitas-Thomson Reuters, p. 115-131. 2011.
- González Martínez, A. C., Puig Ventosa, I. “Los tributos municipales y la sostenibilidad ambiental”. Tributos Locales, 102: 63-72. Setiembre - Noviembre de 2011.

# Example 3. Research project at regional level

## AGAUR supporting PhD students working in the private sector

Two PhD thesis and several publicacions derived:

- Ortega, M. (2011): "Environmental justice in Catalonia: study and action proposals for the public administration". Phd Thesis. Universitat Autònoma de Barcelona.
- Freire-González, J. "Energy efficiency and rebound effect: methodological developments and empirical evidence". PhD Thesis. Universitat Autònoma de Barcelona (In Catalan):  
<http://www.tdx.cat/handle/10803/117595>

Articles:

- Freire-González, J., Puig-Ventosa, I. (2015) Energy Efficiency Policies and the Jevons Paradox. International Journal of Energy Economics and Policy, Vol. 5, No. 1, p. 69-79.  
<http://www.ilhanozturk.com/index.php/ijep/article/view/965/565>
- Font Vivanco, D., Freire-González, J., Kemp, R., Van der Voet, E. (2014) The Remarkable Environmental Rebound Effect of Electric Cars: A Microeconomic Approach. Environmental Science & Technology, 48 (20), p. 12063-12072.
- Freire-González, J. (2011). "Methods to empirically estimate direct and indirect rebound effect of energy-saving technological changes in households". Ecological Modelling 223 (1): 32-40.
- Freire-González, J. (2010). "Empirical evidence of direct rebound effect in Catalonia". Energy Policy 38 (5): 2309-2314.

# WHEN DO WE DO RESEARCH?



## (II)

### **Derived from non-research projects:**

1. Evaluation of specific policies. [Example 4](#).
2. Development of innovative experiences / case studies / best practices, subsequently derived into publications.  
[Example 5](#).

### **This research is:**

1. Funded with own sources.
2. Based on results derived from consultancy projects and are publicised with the agreement of the client.
3. Practical / policy oriented.

# Example 4. Evaluation of public policies

**Puig-Ventosa, I., Freire Gonzàlez, J., Jofra-Sora, M. (2013) “Determining factors for the presence of impurities in selectively collected biowaste”. Waste Management & Research, 31: 510-517.**



# Example 4. Evaluation of public policies

**Puig Ventosa, I., González, A.C., Jofra Sora, M. "Landfill and waste incineration taxes in Catalonia, Spain", in: Kreiser, L., Yábar, A., Herrera, P., Milne, J. E., Aishabor, H. (Eds.) Green Taxation and Environmental Sustainability. Critical Issues in Environmental Taxation, Volume XII, p. 244-257. 2012.**



**Freire-González, J., Puig Ventosa, I. (2013) "Efectos económicos y ambientales del impuesto especial sobre determinados medios de transporte", Gestión y Análisis de Políticas Públicas, no 10. julio-diciembre.**



# Example 4. Evaluation of public policies

**Freire-González, J., Puig-Ventosa, I. (2015) Energy Efficiency Policies and the Jevons Paradox. International Journal of Energy Economics and Policy, Vol. 5, No. 1, 2015, p. 69-79.**



**Puig-Ventosa, I., Jofra-Sora, M., Freire-González, J. (Article in Press)**  
**“Prevention of Waste from Unsolicited Mail in Households: Measuring the Effect of Anti-advertising Stickers in Barcelona”. Journal of Material Cycles and Waste Management.**



# Example 4. Evaluation of public policies

**Badal, M., Binimelis, R., Gamboa, G., Guadalupe, Heras, M., Ortega, M., Tendero, G. (2014) "Adapting established instruments to build useful food sovereignty indicator". Development Studies Research: An Open Access Journal, November, p. 324-339.**



**Rivera-Ferre, M.G., Ortega-Cerdà, M., Baumgärtner, J. (2013): "Rethinking Study and Management of Agricultural Systems for Policy Design". Sustainability 2013, 5, 3858-3875.**



# Example 5. Case studies / best practices

**Puig Ventosa, I. (2008) “Charging systems and PAYT experiences for waste management in Spain”. International Journal of Integrated Waste Management, Science and Technology 28: 2767-2771.**



**Colón, J., Ruggieri, L., Sánchez, A., González, A., Puig, I. (2011) “Possibilities of composting disposable diapers with municipal solid wastes”. Waste Management & Research, Vol. 29(3): 249-259.**



# WHEN DO WE DO RESEARCH?

## (III)



### Also derived from:

- Secondments
- Research interns
- Fellows

### Supporting consultant's personal research

For example:

- Calaf-Forn, M., Roca, J., Puig-Ventosa, I. (2014) "Cap and trade schemes on waste management: A case study of the Landfill Allowance Trading Scheme" (LATS) in England. *Waste Management* 34 (2014) 919-928.
- Font Vivanco, D., Puig Ventosa, I., Gabarrell Durany, X. (2012) "Building waste management core indicators through Spatial Material Flow Analysis: Net recovery and transport intensity indexes". *Waste Management* 32(12): 2496-2510.

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