

JUANJO IRAEGUI NAVARRO

Co-founder and member of ENT since June 2001
Responsible of projects and energy area



EDUCATION

- 2007 – 2011 Industrial Engineering Degree. Major in Electricity. (University Politècnica de Catalunya, UPC).
- 2003 – Course on Calculus and design of thermal solar facilities installation, (CIMNE,Structuralia).
- 1997 – 1998 Master in Engineering and Environmental Management (Institut Català de Tecnologia, ICT), Project: Local vulnerability map of the atmospheric impact caused by gas stations and traffic (COVs).
- 1994 – 1996 Biology (first cycle). University of Barcelona, (UB).
- 1988 - 1998 Telecommunications Technical Engineering, (UPC). Final Project: Optimal control of the dynamics of ecological systems: temporal modelling and optimal control for Ecological Systems Management (ecosystems, renewable resources).



PROFESSIONAL EXPERIENCE

- 2005-Present. Ent Environment and Management, Co-founder and responsible of Energy Area.
- 2002-04. Ecofys: Consultant in design and sustainable construction of new buildings.
- 2000-02. Ecoserveis. Participation in projects on the environmental impact of energy systems. EIA in wind farms. Environmental and energetic services in the tourist sector.
- 1998-99. TMI (Tractament Mediambiental Integral, S.L.). Design for the implementation of a Telecontrol System for water treatment plants in the surface coating industry. Proposals of physical-chemical waste water treatment plants.



MOST RELEVANT AREAS OF EXPERTISE

- Energy management.



MAIN PROJECTS

- Calculation of the carbon footprint in Alella City Council. Barcelona Provincial Council | 2021.
- The socio-environmental and solidarity economy as a tool for conservation and valuation of the environmental services of ecosystems. Department of Environment and Housing, Government of Catalonia | 2018 - 2019.
- Carbon Budgets for the Climate Change Law. Department of Environment and Housing, Government of Catalonia | 2018 - 2019.
- Support for the identification of the environmental tabs of the Barcelona City Council. Comissioned by Fundació Carles Pi Sunyer. 2017.

- Technical assistance to improve the calculation tool of greenhouse gas emissions in the environmental evaluation of urban development plans. Commissioned by the Territory and Sustainability Department of the Generalitat de Catalunya. July - December 2015.
- Technical Support for the implementation of the Environment Panel. Commissioned by the Carles Pi i Sunyer Foundation. 2008.
- Assessment of local innovative environmental policies. Commissioned by the Pi i Sunyer Foundation. February - July 2006.
- Local Sustainable Energy Plans in Badalona, Sitges, Cardedeu, Òdena and Santa Margarida i els Monjos. Commissioned by their respective Town Councils. 2008 - 2013.
- Technical Support to the European Project Res Publica. Commissioned by the Diputació de Barcelona. 2008.
- Proposal of efficient energy management for the Badalona City Council. Commissioned by the Badalona City Council. February - December 2008.
- Feasibility study for contracting external energy management services as part of the strategic plan against climate change in Sabadell. Commissioned by the Sabadell Town Council. July - December 2008.
- Strategic action for the implantation of energy management in Tiana. Commissioned by the Tiana Town Council. March - November 2007.
- Project of the campaign Saving lighting in the municipality. Commissioned by the Alella Town Council. September - December 2006.
- Introduction of the 50-50 concept in Sant Sadurní d'Anoia. Commissioned by the Diputació de Barcelona. June 2006 - June 2007.
- Energy Management Plan in Sant Just Desvern. Commissioned by the Diputació de Barcelona. June - December 2006.
- Energy Action Plan in Sant Just Desvern. Commissioned by the Diputació de Barcelona. June - December 2006.
- Study on municipal energy management. Commissioned by the Diputació de Barcelona. December 2005 - July 2006.
- Study for the implantation of the 50-50 concept in the Penedès Intermunicipal High-School of Sant Sadurní. Commissioned by the Sant Sadurní d'Anoia Town Council. October - December 2005.
- Preliminary draft of a public-owned photovoltaic plant. Commissioned by the Vilanova i la Geltrú Town Council. April - July 2005.
- Assessment of energy sustainability in apartment buildings and strategic action plan. Qualitat Promocions. 2004.
- Installation of solar thermal systems). Domestic (1), hotels (Hotel Can Batlle), and sports centres. 2004.
- Study of lighting pollution in 15 hotels of Catalonia. Commissioned by the Departament de Medi Ambient de la Generalitat de Catalunya. 2003.
- Updating of energy criteria in the Dgqa -General Directorate of Environmental Quality- for establishments and hotels. Commissioned by the Departament de Medi Ambient de la Generalitat de Catalunya. 2003.
- Renewable Energy and Sustainable Tourism - European Project, Programme Altener. REST, 20 energy audits in hotels. 2002 - 2003.

- Study for the implementation of the environmental quality label in Vilanova i la Geltrú hotels. Commissioned by the Departament de Medi Ambient, Servei de Qualificació Ambiental. 2001.
- Technical Support to the European Project Res Publica. Commissioned by the Diputació de Barcelona. 2008.
- Matrix of sustainability and strategic action plan. Commissioned by Grup Qualitat. 2004.
- Assessment for the introduction of sustainable criteria on a housing building model. Commissioned by Pich Aguilera. 2004.
- Study for passive air conditioning in a medical warehouse in Algeciras). Commissioned by the Architecture Studio Rafael Otero. 2003.
- Feasibility study on a cooling solution at the building of the old gas factory, through the groundwater table. Commissioned by the Institut Català d'Energia (ICAEN). 2001.
- Environmental impact of renewable energies in Catalonia. Commissioned by the Departament Medi Ambient de la Generalitat de Catalunya. 2001.
- Barcelona city energy model. Commissioned by Barcelona Regional. 2001.
- Compatibility criteria between wind farms and PEIN areas. 2000.
- Project Life: Collaboration in the elaboration of an energy consumption model for a block of houses in Barcelona. Commissioned by the Barcelona City Council. 1999.
- Analysing rubbish composition: the influence of RSE in the experience of Minimum Waste in Molins, Torrelles de Llobregat and Sant Cugat. Commissioned by CEPA. 1993.
- Team "Minimum Waste" of CEPA: Feasibility study for separate collection of urban waste in the regions of Alt Penedès and Garraf. Commissioned by the Mancomunitat Penedès Garraf CEPA. 1992-1993.



MAIN PUBLICATIONS

- Jofra, M., Puig, I., Iraegui, J. (2012) Informe del panel de polítiques públiques de medi ambient, dins de "Polítiques públiques dels municipis catalans", 229-278. Fundació Pi i Sunyer.
- Ramos, J. (Coord.), Alcàntara, V., Cañellas, S., Corbera, E., Giampietro, M., Gómez, D., Iraegui, J., Nicolau, R., Padilla, E., Puig, I., Roca, J., Russi, D., Sendra, C. (2009) Anàlisi del Metabolisme Energètic de l'Economia Catalana (AMEEC). Consell Assessor per al Desenvolupament Sostenible.
- Iraegui, J. (2008): "Gestión energética local, energías renovables y participación. Una nueva cultura energética frente al cambio climático". Capítulo: Las empresas de servicios energéticos, retos y perspectivas futuras. Federación Española de Municipios.
- Iraegui, J. (2007) Criteris per a la detecció de bones pràctiques en el medi ambient. Fundació Carles Pi i Sunyer.
- Iraegui, J. (2005) El finançament de les instal·lacions d'energia renovable. SAM de la Diputació de Barcelona.
- Iraegui, J. (2005) Gestión local de la energía. El papel de los ayuntamientos. Energías renovables. Abril.
- Iraegui, J. (2004): "Gestió local de l'energia". Fundació Carles i Pi Sunyer. Diputació de Barcelona.
- Iraegui, J. (2002) Eficiencia energética y energías renovables en los hoteles: oportunidades de reducir costes. Tecno-hotel. Editur.