

CURRICULUM VITAE

DATOS PERSONALES

Nombre: **IBON GALARRAGA GALLASTEGI**
Lugar y fecha de nacimiento: Bilbao, 27 de Mayo de 1973.
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FORMACIÓN ACADÉMICA

1997-2001	UNIVERSIDAD DE BATH (INGLATERRA) Doctorado en Economía (<i>Economía del Medio Ambiente</i>)
1996-1997	UNIVERSIDAD DE ESSEX (INGLATERRA) Master en Economía
1991-1996	UNIVERSIDAD DEL PAÍS VASCO/EUSKAL HERRIKO UNIBERTSITATEA Licenciatura en CC. Económicas y Empresariales

EXPERIENCIA PROFESIONAL

Desde 2017	METROECONOMICA, S.L. Socio y Director
Desde 2009	BASQUE CENTRE FOR CLIMATE CHANGE (BC3) Research Professor (y Deputy Director 2013-2015)
2005-2009	GOBIERNO VASCO-EUSKO JAURLARITZA Viceconsejero de medio ambiente, vicepresidente de la sociedad pública IHOBE, S.A. y miembro del Consejo de Administración del Ente Vasco de la Energía.
2004-2005	NAIDER, S.L. Socio fundador y Director de la Unidad de Sostenibilidad y Economía Ambiental
2004-2005	UNIVERSIDAD COMERCIAL DE DEUSTO Profesor de Política Económica (tiempo parcial)
2001-2004	SOCINTEC Consultor Senior
1997-2001	METROECONOMICA LTD

Consultor (tiempo parcial)

1999-2000 UNIVERSIDAD DE BATH (Departamento de Economía y Desarrollo Internacional)

Profesor (tiempo parcial)

- Microeconomía. (Primer Curso)
- Macroeconomía. (Primer Curso)

PUBLICACIONES

Artículos en revistas

1. Silvestri, A., Foudi, S. and Galarraga, I. 2022. How to get commuters out of private cars? Exploring the role of perceived social impacts in mode choice in five European countries. *Energy Research & Social Science*.
2. López-Bernabé, E., Linares, P. and Galarraga, I. 2022. Energy-efficiency policies for decarbonisation of residential heating in Spain: a fuzzy cognitive mapping approach. *Energy Policy*.
3. Abadie, L.M., Galarraga, I., and Ruiz de Gauna, I. 2022. Flight Delays in Germany: a Model for Evaluation of Future Cost Risk. *European Journal of Transport and Infrastructure Research*.
4. Markanday, A., Kallbekken, S. and Galarraga, I. 2022. "The power of impact framing and experience for determining acceptable levels of climate change induced flood risk: A lab experiment". *Mitigation and Adaptation Strategies for Global Change*.
5. Markanday, A. and Galarraga, I. 2021. The Cognitive and Experiential Effects of Flood Risk Framings and Experience, and their Influence on Adaptation Investment Behaviour. *Climate Risk Management* 34.
6. Goicoechea, N., Galarraga, I., Abadie, LM., Pümpel, H. and Ruiz de Gauna, I. 2021. Insights on the Economic Estimates of the Climate Costs of the Aviation Sector due to Air Management in 2018-19. *Dyna*.
7. Kontogianni, A., Damigos, D., Skourtos, M., Tourkolias C., Denny, E., Galarraga, I., Kallbekken, S. and Lakić, E. 2021. Model Validity and Transferability Informing Behavioral Energy Policies. *Energies* 14(11). 14(11), 3122; <https://doi.org/10.3390/en14113122>.
8. Solà, M.M, de Ayala, A. and Galarraga, I. 2021. The Effect of Providing Monetary Information on Energy Savings for Household Appliances: A Field Trial in Spain. *Journal of Consumer Policy*. <https://doi.org/10.1007/s10603-021-09483-3>.
9. Longo, A., Mitchell, E., Markanday, A. and Galarraga, I. 2021. One Size Does Not Fit All: Financial Incentives Needed to Change Physical Exercise Levels for Different Groups. *Medical Decision Making*. (10.1177/0272989X211011606).
10. Lopez-Bernabé, E., Foudi, S., Linares, P. and Galarraga, I. 2021. Factors affecting energy-efficiency investment in the hotel industry: survey results from Spain. *Energy Efficiency* 14. (4) DOI (10.1007/s12053-021-09936-1).
11. Solà, MM., de Ayala, A., Galarraga, I. and Escapa, M. 2021. Promoting Energy Efficiency at household level: A literature review. *Energy Efficiency* 14. (1) DOI (10.1007/s12053-020-09918-9)

12. de Ayala, A., Foudi, S., Solá, MM., López, E. and Galarraga, I. 2021. Consumers' preferences regarding energy efficiency: a qualitative analysis based on the household and services sectors in Spain. *Energy Efficiency* 14. (1) DOI (10.1007/s12053-020-09921-0).
13. Tepes, A., Galarraga, I., Markandya, A. and Sanz, M.J.S. 2021. Costs and benefits of soil protection and sustainable land management practices in selected European countries: towards multidisciplinary insights. *Science of the Total Environment* 756. DOI (10.1016/j.scitotenv.2020.143925).
14. Sainz de Murieta, E., Galarraga, I. and Olazabal, M. 2021. How well do climate adaptation policies align with risk-based approaches? An assessment framework for cities. *Cities* 109. DOI (10.1016/j.cities.2020.103018).
15. Silvestri, A. Foudi, S., Galarraga, I. and Ansuategi, A. 2021. The contribution of carsharing to low carbon mobility: complementarity and substitution with other modes. *Research in Transportation Economics* 85. DOI (10.1016/j.retrec.2020.100968).
16. Markanday, A., Markandya, A., Sainz de Murieta, E. and Galarraga, I. 2021. Accounting for the effects of employment, equity, and risk aversion in cost-benefit analysis: An application to an adaptation project. *Journal of Cost-Benefit Analysis*. DOI (10.1017/bca.2020.32).
17. Silvestri, A. Foudi, S. and Galarraga, I. 2020. Determinants of travel mode choice in Europe: results from a survey on routine mobility. *Papeles de Energía*.
18. Lopez, E., Foudi, S. and Galarraga, I. 2020. Mind the map? Mapping the academic, citizen and professional stakeholder views on buildings and heating behaviour in Spain. *Energy Research & Social Science*.
19. Abadie L.M., Jackson L.P., Sainz de Murieta E., Jevrejeva S., Galarraga I. 2020. Comparing urban coastal flood risk in 136 cities under two alternative sea-level projections: RCP 8.5 and an expert opinion-based high-end scenario. *Ocean & Coastal Management*. 193. DOI (10.1016/j.ocecoaman.2020.105249).
20. Abadie, L.M, Sainz de Murieta, E. and Galarraga, I. 2020. The Costs of Sea-Level Rise: Coastal Adaptation Investments Vs Inaction in Iberian Coastal Cities. *Water*.
21. Martínez, P., Foudi, S., Galarraga, I., Osés, N. and Cerdá, E. 2020. Cambio climático, riesgo de inundación y medidas de adaptación: retos en la valoración de daños y evaluación de medidas. *Ekonomiaz*, n.97.
22. Ruiz de Gauna, I., Galarraga, I. and Greño, P. 2020. Financiando las políticas climáticas y de sostenibilidad: el impacto de los Bonos Sostenibles en el País Vasco. *Ekonomiaz*, n.97.
23. Gadani, G., Galarraga, I. and Sainz de Murieta, E. 2020. Regional climate change policies: an analysis of commitments, policy instruments and targets. *Economics and Policy of Energy and the Environment*.
24. Setzer, J., Sainz de Murieta, E., Galarraga, I., Rei, F. and Mendes Lomba Pinho, M. 2020. Transnationalisation of climate adaptation by regional governments and the RegionsAdapt initiative. *Global Sustainability*.
25. Galarraga, I., Kallbekken, S. and Silvestri, A. 2020. Consumer purchases of energy-efficient cars: How different labelling schemes could affect consumer response to price changes. *Energy Policy*.

26. Goicoechea, N., Eguiraun, H., Galarraga, I., Solaberrieta, E. and Abadie, L.M. 2020. Nola aurre egin itsas garrioak eragindako klima-aldaketari? Estrategia berriak. *Ekaia*.
27. Román de Lara, M., Arto, I., Ansuategi, A. and Galarraga, I. 2020. The economic implications of tied aid and local content requirements for climate finance. *Climate Change Economics*.
28. Ansuategi, A., Galarraga, I., Orea, L. and Standfuss, T. 2019. Analysis of cost-effectiveness in the provision of air navigation services at functional air blocks. *Competition and Regulation in Network Industries*, 1–14.
29. Markanday, A., Galarraga, I. and Markanday, A. 2019. A critical review of cost-benefit analysis for climate change adaptation in cities. *Climate Change Economics*.
30. Markanday, A., Galarraga, I., Chiabai, A., Sainz de Murieta, E., Lliso, B. and Markanday, A. 2019. Determining discount rates for the evaluation of natural assets in land-use planning: An application of the Equivalency Principle. *Journal of Cleaner Production*, pp. 672-684. (Q1).
31. Abadie, LM., Galarraga, I., Markanday, A. and Sainz de Murieta, E. 2019. Risk measures and the distribution of damage curves for 600 European coastal cities. *Environmental Research Letters*. <https://doi.org/10.1088/1748-9326/ab185c>. (Q1).
32. Olazabal, M., Galarraga, I., Ford, J., Sainz de Murieta, E. and Lesnikowski, A. (2019): Are local climate adaptation policies credible? A conceptual and operational assessment framework. *International Journal of Urban Sustainable Development*. DOI:10.1080/19463138.2019.1583234. (Q2).
33. Sainz de Murieta, E., Abadie, L.M. y Galarraga, I. 2018. Aumento del nivel del mar en la costa vasca: una aproximación probabilística. *Ekonomiaz* 94.
34. Larrea, I., Galarraga, I. and Solaun, K. 2018. Climate finances: A review. *Ekonomiaz* 93.
35. Galarraga, I., Sainz de Murieta, E., Markanday, A., Abadie, L. 2018. Addendum to 'Understanding risks in the light of uncertainty: low-probability, high-impact coastal events in cities. *Environmental Research Letters*. DOI 10.1088/1748-9326/aaa513. (Q1).
36. Sainz De Murieta-Zugadi, E., Galarraga-Gallastegui, I., Sanz-Sanchez, M. 2018. COP23: Technical Profile with Relevant Political Support. *DYNA*, 93(1). 22-24. DOI: <http://dx.doi.org/10.6036/8685>.
37. Abadie, L.M., Galarraga, I. and Goicoechea, N. 2017. Adapting the shipping sector to stricter emissions regulations: fuel switching or installing a scrubber?. *Transportation Research Part D*.
38. Foudi, S. Oses, N. and Galarraga, I. 2017. The effect of flooding on mental health: lessons learned for building resilience. *Water Resources Research*, 53.
39. Abadie, L.M., Sainz de Murieta, E. and Galarraga, I. 2017. Investing in adaptation: Flood risk and real option application to Bilbao. *Environmental Modelling and Software*, 95, pp 76-89.
40. Abadie, L.M., Galarraga, I. and Sainz de Murieta, E. 2017. Understanding risks in the light of uncertainty: Low-probability, high-impact coastal events in cities. *Environmental Research Letters*, vol 12.
41. Roman De Lara, M.V., Sanz Sanchez, M.J. y Galarraga Gallastegui, I. 2017. La COP22 de Marrakech confirma el compromiso mundial

- con la lucha contra el cambio climático. *Dyna*. 92(2). 133-135. DOI (10.6036/8273).
42. Abadie, L.M., Goicoechea, N. and Galarraga, I. 2017. Carbon risk and optimal retrofitting in cement plants: an application of stochastic modelling, MonteCarlo simulation and Real Options Analysis. *Journal of Cleaner Production*, vol 142.
 43. Abadie, L.M., Sainz de Murieta, E. and Galarraga, I. 2016. Climate risk assessment under uncertainty: an application to main European coastal cities. *Frontiers*, vol 3.
 44. Galarraga, I., Abadie, L.M. and Kallbekken, S. 2016. Designing incentive schemes for promoting energy-efficient appliances: A new methodology and a case study for Spain. *Energy Policy*. DOI (10.1016/j.enpol.2015.12.010).
 45. Markandya, A., Galarraga, I., Abadie, L.M., Lucas, J. and Spadaro, J.V. 2016. What Role Can Taxes and Subsidies Play in Changing Diets? An Application from Spain. *FinanzArchiv/Public Finance Analysis*.
 46. de Ayala, A., Galarraga, I. and Spadaro, J.V. 2016. The price of energy efficiency in the Spanish housing market. *Energy Policy*. 94. 16-24. DOI (10.1016/j.enpol.2016.03.032).
 47. Roman De Lara, M.V. and Galarraga, I. 2016. The Paris Summit: The Beginning of the End of The Carbon Economy. *Dyna Energía y Sostenibilidad*. 5. (1) 41-44. DOI (10.6036/ES7954).
 48. Roman De Lara,M.V. and Galarraga, I. 2016. The summit in Paris, a historic result? *DYNA Ingeniería e Industria*. 91. (2) 131. DOI (10.6036/7958).
 49. Abadie, LM., Galarraga, I, Milford, A. B. and Gustavsen, G. W. 2015. Using Food Taxes and Subsidies to Achieve Emission Reduction Targets in Norway. *Journal of Cleaner Producion*.
 50. Galarraga, I., Gonzalez-Eguino, M. and Rübelke, D. T. G. 2015. Environmental Economics, Climate Change Policy and Beyond: A Tribute to Anil Markandya. *Environmental and Resource Economics*. DOI (10.1007/s10640-015-9959-0).
 51. Heres, D., Kallbekken, S. and Galarraga I. 2015. The role of budgetary information in the preference for externality-correcting subsidies over taxes: A lab experiment on public support. *Environmental and Resource Economics*.
 52. Delgado, J., González-Eguino, M., Galarraga, I. and Lucas, J. 2015. Economic and Environmental Impact of the Energy Efficiency Plan of the City of Bilbao. *DYNA Energía y Sostenibilidad*. 4. (1) 1-8. DOI (10.6036/ES7254).
 53. Galarraga, I., Ramos, A., Lucas, J. and Labandeira X. 2014. The Price of Energy Efficiency in the Spanish Car Market. *Transport Policy*, 36, pp. 272–282.
 54. Ansuategi, A., Escapa; M., Galarraga, I. and González-Eguino, M. 2014. Impacto Económico de la Eco-Innovación en Euskadi: Una Aproximación Cuantitativa. *Ekonomiaz* 86 (02) 246-273.
 55. Abadie, L.M., Galarraga, I. and Rübelke, D. 2014. “Evaluation of Two Alternative Carbon Capture and Storage Technologies: A Stochastic Model”. *Environmental Modelling & Software*, 54 (2014), 182-195.
 56. Galarraga, I., Abadie L.M. and Ansuategi, A. 2013. “Efficiency, Effectiveness and Implementation Feasibility of Energy Efficiency Rebates: The “Renove” Plan in Spain”. *Energy Economics*, 40(1), S98-S107.

57. Abadie, L.M., Galarraga, I. and Rübbelke, D. 2013. "An Analysis of the Causes of the Mitigation Bias in International Climate Finance". *Mitigation and Adaptation Strategies for Global Change*, 18. 943–955.
58. Chiabai, A., Galarraga, I., Markandya, A. and Pascual, U. 2013. "The Equivalency Principle for Discounting the Value of Natural Assets: An Application to an Investment Project in the Basque Coast". *Environmental and Resource Economics*.
59. Galarraga, I., Lucas, J. and Gonzalez-Eguino, M. 2012. "Evaluación económica del etiquetado de eficiencia energética: el caso de las lavadoras en España". *Papeles de Economía Española*, 134.
60. Abadie L.M, Ortiz R.A. and Galarraga I. 2012. "Determinants of Energy Efficiency Investments in the U.S". *Energy Policy*. 45. 551-556.
61. Gonzalez-Eguino, M., Galarraga, I. and Ansuategi, A. 2012. "The Future of Old Industrial Regions in a Carbon-Constrained World". *Climate Policy*.
62. Gallastegui, M. C., Gonzalez-Eguino, M. and Galarraga, I. 2012. "Cost effectiveness of a combination of instruments for global warming" *SERIEs*. DOI 10.1007/s13209-011-0054-7.
63. E. Sainz de Murieta, I. Galarraga and A. Markandya. 2012. "Klima aldaketa sozioekonomiaren ikuspegitik". *EKAIA*.
64. Abadie, L.M. and Galarraga, I. 2011. "Economic Implications of the Third Phase of the European Emission Trading Scheme", *Climate Change Economics* 2, pp 129-48.
65. Galarraga, I., González-Eguino, M. and Markandya, A. 2011. "Willingness to pay and price elasticities of demand for energy-efficient appliances: combining the hedonic approach and demand systems". *Energy Economics*, vol 33 pp. 66-74
66. Galarraga, I., Osés, N., Markandya, A., Chiabai, A. and Khatun, K. 2011. "Aportaciones desde la economía de la adaptación a la toma de decisiones sobre Cambio Climático: un ejemplo para la Comunidad Autónoma del País Vasco". *Economía Agraria y Recursos Naturales* vol 11(1).
67. Galarraga, I., Heres, D. and González-Eguino, M. 2011. "Price premium for high-efficiency refrigerators and calculation of price-elasticities for close-substitutes: Combining Hedonic Pricing and Demand Systems". *Journal of Cleaner Production*, vol. 19, 2075-2081.
68. Galarraga, I., Gonzalez-Eguino, M. and Markandya, A. 2011. "The Role of Regional Governments in Climate Change Policy". *Environmental Policy and Governance*, vol. 21. 164-182.
69. Galarraga, I., González-Eguino, M. and Markandya, A. 2011. "De Cancún a Durban en un largo camino contra el cambio climático". *Economistas*, 127.
70. Galarraga, I. and Markandya, A. 2010. "El Cambio Climático y su Importancia Socioeconómica". *Ekonomiaz*, vol 71.
71. Galarraga, I. and Ansuategi, A. 2009. "Carbon Pricing as an Effective Instrument of Climate Policy: Searching for an Optimal Policy Instrument". *Rivista di Politica Economica*, VII-IX.
72. Gallastegui, M.C., Galarraga, I. and González, M. 2009. "La Ciencia del Cambio Climático: Una Visión General". *Papeles de Economía Española*, 121.

73. Galarraga, I. 2007. "La Apuesta del País Vasco en la lucha contra el cambio climático". In ***Ekonomi Gerizan***: "Desarrollo Sostenible y cambio climático" editado por la Federación de Cajas Vasco-Navarras.
74. Galarraga, I. and Markandya, A. 2006. "A proposal to correct external effects in the coffee market: a tax on regular coffee and tea to subsidise the fair trade coffee". ***Economía Agraria y Recursos Naturales***, Vol. 12.
75. Galarraga, I. and González, M. 2005. "La Fiscalidad Ambiental: un nuevo reto, una nueva oportunidad". ***Zergak*** 29, Vol 1.
76. Galarraga, I., Martín, I., Beristain, I. and Boto, A. 2005. "El Método de Transferencia de Valor (Benefit Transfer), una Segunda Opción para la Evaluación de Impactos Ambientales: el Caso del Prestige", ***Ekonomiaz***.
77. Galarraga, I. and Markandya, A. 2004. "Economic Techniques to Estimate the Demand for Sustainable Products: A Case Study for Fair Trade and Organic Coffee in the United Kingdom. ***Economía Agraria y Recursos Naturales***, Vol. 4(7).
78. Galarraga, I. and Markandya, A. 2003. "The analysis of welfare effects of an environmental product tax: an application to the taxation of car tyres in Hungary". ***Fiscal Studies***. 24 (1).
79. Markandya, A., Galarraga, I. and Mason, P. 2002. "Instrumentos y Políticas para la Eliminación de Productos que Dañan la Capa de Ozono en el Marco del Protocolo de Montreal", ***Ekonomiaz***, 49.
80. Galarraga, I. 2002. "The use of Eco-labels: A Review of the Literature" ***European Environment***. Vol. 12, issue 6.

Capítulos de libro

1. Abadie, L.M, Sainz de Murieta, E., Galarraga, I. and Markandya, A. (2018) Progressive adaptation strategies in European coastal cities: a response to flood-risk under uncertainty. In: Chichilnisky, G. and Rezai, A. (eds). ***Handbook on the Economics of Climate Change***. Edward Elgar Press.
2. Galarraga, I., Sainz de Murieta, E. and França, J. (2017) Climate policy at the sub-national level. In: Averchenkova, A., Fankhauser S. and Nachmany, M. (eds.). ***Trends in Climate Change Legislation***. London: Edward Elgar.
3. Abadie, L.M and Galarraga, I (2016). The Use of Real Option Approach for the Evaluation of Climate Investments in Markandya, A., Galarraga, I. and Rübelke, D. (eds) ***Climate Finance: Theory and Practice***. World Scientific Series on the Economics of Climate Change.
4. Galarraga, I, Markandya A. and Rübelke, D. (2016). Challenges in International Climate Finance in Markandya, A., Galarraga, I. and Rübelke, D. (eds) ***Climate Finance: Theory and Practice***. World Scientific Series on the Economics of Climate Change.
5. Watkiss, et al. 2015. Overview of costs and benefits of adaptation at the national and regional scale. ***Climate Change Risks and Adaptation: Linking Policy and Economics***. Paris. OECD Publishing. ISBN 9789264234604. (http://www.oecd-ilibrary.org/environment/climate-change-risks-and-adaptation_9789264234611-en).
6. Abadie, L.M. and Galarraga, I. 2015. Managing Energy Price Risk. ***Compendium of Energy Science and Technology*** Vol 12. 1st ed. - Studium Press LLC, USA. 827. ISBN 978-1-626990-73-9. (<http://studiumpress.in/indetail.asp?id=300>).

7. Lucas, I and Galarraga, I. "Green Energy Labelling" in Ansuategi A., Delgado, J. and Galarraga I. (2015) (eds), **Green Energy and Efficiency**, SPRINGER.
8. Sainz de Murieta, E., Galarraga, I and Markandya, A. "An Introduction to the Economics of Adaptation to Climate Change" in Markandya, A., Galarraga, I. and Sainz de Murieta, E. (2014) (eds), **Routledge Handbook of the Economics of Climate Change Adaptation**, ROUTLEDGE.
9. Abadie, L.M., Ortiz, R., Galarraga, I and Markandya, A. (2012). Energy Efficiency Policy in the US: The Impact of the Industrial Assessment Centres (IAC) Program and State and Regional Climate Policy Actions. In Costantini, V. and Mazzanti, M. (eds), **The Dynamics of Environmental and Economic Systems - Innovation, Environmental Policy and Competitiveness**. SPRINGER.
10. Markandya, A. and Galarraga, I. (2011). Technologies for Adaptation: An Economic Perspective. **Perspectives Series 2011: "Technologies for Adaptation: Perspectives and Practical Experience"**. Denmark. UNEP Risoe Centre.
11. Contributing author to Ebinger, J. and Vergara, W. (2011). "Climate Impacts on Energy Systems: Key issues for energy sector adaptation". Washington. **The International Bank for Reconstruction and Development/The World Bank**.
12. Hormaeche, J.I. Galarraga, I and Sáenz de Ormijana, J. L. (2011), "Regional Experiences: The Past, Present and Future of the Energy Policy in the Basque Region", in Galarraga, I, Gonzalez-Eguino, M. and Markandya, A. (eds), **Handbook of Sustainable Energy**, EDWARD-ELGAR.
13. Galarraga, I. (2010), "A Discussion of 'Involving Developing Countries in Global Climate Policies' by Anil Markandya" in **Cerdá, E. and Lavandeira, X. (eds) (2010), "Climate Change Policies: Global Challenges and Future Prospects"**, EDWARD ELGAR Publishing.
14. Gallastegui, M.C. and Galarraga, I. (2010), "Climate Change and Knowledge Communities" in **J. Echeverría, P. Oiarzabal and A. Alonso (eds.), Knowledge Communities**, Reno, Center for Basque Studies, UNR.
15. Gallastegui, M. C. and Galarraga, I. (2010), "La Unión Europea Frente al Cambio Climático: El Paquete de Medidas sobre Cambio Climático y Energía (20-20-20)", in **Becker, F., Cazorla, L. M. And Martínez-Simancas, J. (eds), Tratado de Energías Renovables**, IBERDROLA-THOMSON-ARANZADI.
16. Galarraga, I. (2009), "Coste de la No Europa: la Política Ambiental" in **"El Coste de la No Europa: Qué sería de nuestro continente sin la UE"** edited by EUROPEAN FREE ALLIANCE, EUROPEAN PARLIAMENT.

Labores de editor (libros y ediciones especiales)

- * Markandya, A., Galarraga, I. and Rübelke, D. (eds) (2016). Climate Finance: Theory and Practice. **World Scientific Series** on the Economics of Climate Change.
- * Guest Editor of Special Issue Protecting Natural Resources & Environment: In Honour of Anil Markandya, **Environmental and Resource Economics**. (2016). Together with Prof. D. Rübelke and Dr. M. Gonzalez-Eguino.
- * Ansuategi A., Delgado, J. and Galarraga I. (2015) (eds), Green Energy and Efficiency, **SPRINGER**.
- * Markandya, A., Galarraga, I. and Sainz de Murieta, E. (2014) (eds), Routledge Handbook of the Economics of Climate Change Adaptation, **ROUTLEDGE**.
- * Galarraga, I., Gonzalez-Eguino, M. and Markandya, A. (2011) (eds), Handbook of Sustainable Energy, **EDWARD-ELGAR**.
- * Abadie, L.M. and Galarraga. 2012. EU ETS. Encyclopedia of Sustainability, vol 9. US. **BERKSHIRE PUBLISHING GROUP**.
- * Abadie, L.M. and Galarraga, I. 2012. Energy Efficiency. Encyclopedia of Sustainability, vol 8. US. **BERKSHIRE PUBLISHING GROUP**.
- * Galarraga, I. and Abadie, L.M. 2011. Ecolabels. Encyclopedia of Sustainability, titled Measurements, Indicators, and Research Methods for Sustainability. US. **BERKSHIRE PUBLISHING GROUP**.
- * De la Puente A., Galarraga I., Isasa M. 2011. Normativa y Políticas de Edificación: El marco normativo y legislativo en torno a la definición, cuantificación y expresión de la sostenibilidad en los edificios. **Publicación proyecto CICLOPE**.
- * Galarraga, I and A. Markandya. 2010. The Road to Copenhagen-COP 15. **ELHUYAR**, 4.
- * Editor of **Ekonomiaz** (2005), “Valoración de activos y pasivos ambientales: la Catástrofe del Prestige”, **vol. 57**.
- * Galarraga, I., (2001), “Poverty, Environmental Degradation and Growth”. Article prepared for the working groups “Albania: Environment, Growth and Poverty Reduction”, April 18-19 (2001) Tirana (Albania). **WORLD BANK, REPORTS**.
- * Translation from Spanish into Basque of two chapters of the **Planeta enciclopedia de economía**.

EXPERIENCIA LECTIVA

- * Microeconomía (grado): Departamento de Economía y Desarrollo Internacional. Universidad de Bath (1999-2000).
- * Macroeconomics (undergraduate level): Departamento de Economía y Desarrollo Internacional. Universidad de Bath (1999-2000).
- * Política Económica. Universidad Comercial de Deusto. (cursos 2004 y 2005).
- * Climate change economics (postgraduate level): TERI University (India) 2013.
- * Climate change policy (postgraduate level): (4 invited lectures 2013-14-15-16) European Master of Science in Marine Environment and Resources. Joint European Postgraduate Studies MO2006-00744.
- * Supervisión de estudiantes de doctorado:
Elisa Sainz de Murieta (completada 2016).

- Ambika Markanday (completada 2020).
- Alina Tepes (completada el 2021).
- Elena López (prevista 2022).
- Mari Mar Sola (completada 2022).
- Lander Jimenez (iniciada 2022).
- * Supervisión de estudiantes de master:
 - Francesca Conti (Univ. of Milano Bicocca)..
 - Maria Loroño (Univ. of Copenhagen). Completado.
 - Giulia Gadani (Univ. of Milano Bicocca). Completado.

ACTIVIDADES DE GESTIÓN

- * Adjunto a dirección-Deputy Director BC3 (Enero 2013-Abril 2015).
- * Co-Director de la escuela de verano BC3-UPV/EHU los años 2012, 2014, 2015, 2016, 2017, 2018 y 2019.
- * Coordinador del comité científico del Klimagune 2010, 2011.
- * Co-editor de los BC3 Policy Briefings 2009-2013.

PROYECTOS DE INVESTIGACIÓN

- * ENERgy Efficiency POLIcies in Spain: analysing consumer choices (ENERPOLIS). 2020-2022. **Fundación A Caixa**. PI: Ibon Galarraga.
- * CO-designing the Assessment of Climate CHange costs (COACCH). 2018-2021. **H2020**. PI at BC3: Elisa Sainz de Murieta.
- * Consumer Energy Efficiency Decision making (CONSEED). **H2020**. 2016-2018. Investigador Principal (IP) en BC3: Ibon Galarraga.
- * Enabling the Energy Union through understanding the drivers of individual and collective energy choices in Europe (ENABLE). **H2020**. 2016-2018. IP en BC3: Ibon Galarraga.
- * RESIN: Climate Resilient Cities and Infrastructures. **H2020**. 2015-2018. IP en BC3: Ibon Galarraga.
- * ECONADAPT: The economics of climate change adaptation. **EC FP7**. 2014-2016. IP en BC3: Ibon Galarraga.
- * CICEP: Strategic Challenges in International Climate and Energy Policy. **Norway Research Council** 2011-2019. IP: Ibon Galarraga.
- * PURGE: Public health impacts in URban environments of Greenhouse gas Emissions reduction strategies. **EC FP7**. 2013-2015. PI en BC3: Anil Markandya.
- * Low Carbon Program: a joint BC3-UPV/EHU-Fundación Repsol Initiative: 2011-2014. IP: Ibon Galarraga.
- * PAEE-Políticas de apoyo a la eficiencia energética: impuestos vs subvenciones. 2012-2013. **Fundación Ramón Areces**. IP: Ibon Galarraga.
- * K-egokitzen II: “Cambio Climático: Impactos y Adaptación” 2011-1012. **ETORTEK. Basque Government**. IP: Anil Markandya.
- * Water 2 Adapt (2011-2012). **MICINN and IWRM-net**. IP: Anil Markandya.
- * PREEMPT: Policy-relevant assessment of socio-economic effects of droughts and floods. (2011-2012). **EC DG ECHO**. IP: Anil Markandya.

- * COBELOC: Consumer Behaviour for a Low Carbon Economy. **MICINN. Plan Nacional. Spanish Government.** IP 2011-2012. IP: Anil Markanya.
- * Advisory work for the Basque Government on Climate Change 2009-2010. **Basque Government.** IP: Ibon Galarraga.
- * CICLOPE: “Análisis del impacto ambiental de los edificios a lo largo de su ciclo de vida en términos cuantificables de consumo energético y emisiones GEI asociadas”, Proyecto Singular Estratégico, Numbr PSE-380000-2009-5. Financed by **Ministerio de Ciencia e Innovación in the Plan Nacional de Investigación Científica, Desarrollo e Innovación Tecnológica 2008-2011.** IP: Anil Markanya.
- * K-egokitzen “Cambio Climático: Impactos y Adaptación. **IHOBE, S.A.** 2009-2010. IP. Ibon Galarraga.

Informes técnicos

- * De la Puente A. and Galarraga I. (2011). Evaluación de la normativa europea y estatal, vigente y en preparación, relativa a la evaluación de impactos ambientales y económicos de los edificios. **GiGa (ESCI-UPF). Universidad Pompeu Fabra.**
- * Galarraga I., Chiabai A., Markanya A., Oses N., Khatun K., Damm B.(2010). **Insights on the economics of adaptation for decision making process in climate change policies: Inputs for K-Egokitzen I Project.** Basque Government.

IDIOMAS

- Inglés: lee, escribe y habla con fluidez; utilizado a nivel profesional durante 5 años en Inglaterra. Tesis doctoral en universidad británica.
- Euskera: Bachillerato y tres años de licenciatura íntegramente en Euskera.

OTROS

- * Presidente de la Asociación Española para la Economía Energética (AEEE) 2019-2021.
- * Miembro del consejo de editorial de EKONOMIAZ.
- * Miembro del jurado premio a la mejor tesis doctoral sobre cambio climático en el arco mediterráneo español (en las 5 ediciones). Universidad Politécnica de Valencia.
- * Miembro del jurado de la I Edición del Premio Alberto Alberdi a la mejor Tesis Doctoral en relación con la Economía Vasca. Gobierno vasco.
- * Investigador afiliado Economics for Energy (www.eforenergy.org).
- * Profesor del Programa de Doctorado en Economía: Instrumentos del Análisis Económico. UPV-EHU.