

UNAI PASCUAL

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This is an unabridged CV containing 26 pages. It includes information regarding: My public profile; Short bio; Areas of Scientific Interest; Languages; Current and past academic positions; Academic qualifications, Honours, prizes & awards; Publications; Projects; International Science-Policy engagement; Membership in professional associations and research programs; Services to journals, publishers, conferences and research councils as evaluator; Academic service as PhD student supervisor and PhD examiner; My invited talks and Keynotes; and Conferences.

PUBLIC PROFILE

ResearcherID: B-4766-2012
 Web of Science: www.researcherid.com/rid/B-4766-2012
 ORCID: https://www.researchgate.net/profile/Unai_Pascual?ev=hdr_xprf
 Google Scholar: <http://scholar.google.es/citations?user=Dvtqo7QAAAAI&hl=en>
 ResearchGate: www.researchgate.net/profile/Unai_Pascual?ev=hdr_xprf
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BIO

Unai Pascual (born 2/4/1973 in Vitoria-Gasteiz, Basque Country) is an **environmental economist** with a PhD in environmental Economics (University of York, UK, 2002). He is an Ikerbasque Research Professor at the Basque Centre for Climate Change (BC3), Bilbao, Spain. Previously he was Senior Lecturer in environmental economics and policy at the University of Cambridge, Department of Land Economy (2002-2013). He also lectured on environmental economics at the School of Economics at the University of Manchester (2000-2002).

Prof. Pascual's **scientific output** appears in many publications in international high impact journals such as: *Science, PNAS, BioScience, Global Change Biology, Conservation Biology, Ecological Indicators, Global Environmental Change, Conservation Letters, Environment and Resource Economics, Ecological Economics, Environmental Science and Policy, Land Economics, World Development, etc.* He has also published books, many book chapters, and has given numerous talks and keynotes.

Prof. Pascual's also has an active role as advisor to various **international policy** bodies, including the European Commission, the United Nations Environmental Program (UNEP), the UN Food and Agricultural Organization (FAO), the International Institute for Environment and Development, UK (IIED) and the Consultative Group on (CGIAR). He is also member of various scientific committees related to biodiversity conservation, such as *EcoSERVICES* (Future Earth), and the *Scientific Commission of the Great Ape Survival Partnership* GRASP (led by UNESCO & UNEP) and of the *United Nations' Sustainable Development Solutions Network's* (UNSDSN) on Biodiversity and Ecosystem Services.

AREAS OF SCIENTIFIC INTEREST

Economics of biodiversity and ecosystem services, Environment and Development Economics, Global Environmental Change and Sustainability, Environmental Governance and Policy, Economics of climate change

LANGUAGES

English, Spanish, Basque

CURRENT POSITIONS

- 2011-** **Ikerbaque Research Professor**, Ikerbasque Science Foundation & Basque Centre for Climate Change, Bilbao, Basque Country.
- 2013-** **Visiting Fellow** *University of Cambridge. Department of Land Economy (UK)*

PAST ACADEMIC/RESEARCH POSITIONS

- 2011-13** **Senior University Lecturer**, University of Cambridge, Department of Land Economy.
- 2003-10** **University Lecturer**, University of Cambridge, Department of Land Economy.
- 2010-11** **Ikerbasque Fellow**, Basque Centre for Climate Change (BC3), Bilbao (Spain).
- 2008-2011** **Scientific Advisor** to TECNALIA Environmental Unit, Bizkaia (Basque Country).
- 2005-07** **University Lecturer**. University of Deusto. Economics department. Bilbao (Spain)
- 2001-03** **University Lecturer**. University of Manchester. School of Economic Studies (UK).
- 1998-** **Guest Lecturer (postgraduate level)**: University of the Basque Country, Faculty of Economics (Spain), 2007; Universidad Autónoma de Santo Domingo, Department of Economics, (Dominican Republic), 2007; Universidad Autónoma de Barcelona, Department of Economics (Spain), 2004; Universidad Autónoma de La Pampa. Santa Rosa (Argentina). Inter American Institute for Global Change Research, IAI, 2000; University of York, York, Environment Department, (2000); Universidad Autónoma de Yucatán, Mérida (Mexico). 1998.

QUALIFICATIONS

- 1998-2002** **PhD in Environmental Economics**. Environment Department, University of York (UK).
Advisors: Prof. Edward B. Barbier and Prof. Charles Perrings
- 1996-1997** **MSc in Environmental Economics**. Environment Department, University of York (UK).
Dissertation supervisor: Prof. John C.V. Pezzey.
- 1991-1996** **BA in Economics (International Trade and Development)**, Faculty of Economics.
University of the Basque Country, UPV-EHU. Bilbao (Spain).

HONOURS, PRICES & AWARDS

- 2013-** Member of the Scientific Committee of ecoSERVICES program of *Diversitas* (now included as core project of Future Earth)
- 2013-** Member of the United Nations' Sustainable Development Solutions Network's (SDSN) -- Forests, Oceans, Biodiversity and Ecosystem Services (FOBES) Thematic Group - The group comprises around 20 global leaders on this issue. It was Launched by UN Secretary-General Ban Ki-moon in August 2012
- 2013-** Member of the UN led Scientific Commission of the Great Ape Survival Partnership (GRASP)
- 2006-2013** Scientific Committee Member of *Diversitas* Agro-Biodiversity Programme. *Diversitas* International, Paris, France.
- 2003-2013** Senior College Fellow. Homerton College, University of Cambridge.
- 2006-12** Twice elected to the Board of the European Society of Ecological Economics (ESEE)
- 2010-11** Research Fellow Basque Centre for Climate Change (BC3), Bilbao. Oct 2010 – Sept 2011.
- 2011** Visiting Professor. University of California Davis (UCD). Dept. Land, Water and Air. California, USA. March 2011.
- 2009-10** Coordinating Lead Author of the Economic Report on climate regulation and farmland chapters for the UK National Ecosystem Assessment.
- 2007-10** Expert member of the Nippon Science Assessment Panel (NSAP) for the Sub-global Assessment (SGA) of Satoyama and Satoumi in Japan
- 2009-10** Coordinating Lead Author on economic valuation of the Economics of Ecosystems and Biodiversity Global Report (TEEB), United Nations Environmental Programme
- 2008-** Honorary Research Fellow. *Bioversity International*, Consultative Group of International Agricultural Research (CGIAR). Rome, Italy.
- 2003** KM Stott Prize for the best PhD in Environmental Economics. University of York. UK
- 2000** Visiting scholar: University of Wyoming. Dept. Economics and Finance. Laramie, Wyoming, USA Oct-Dec 2000.
- 1998-01** PhD Research scholarship. University and Education ministry of the Basque Country.
- 1998** Visiting Scholar Universidad Autónoma de Yucatán. Mérida (Mexico). Sept-Oct 1998
- 1997-98** MSc Research scholarship. University and Education ministry of the Basque Country.

PEER REVIEWED JOURNAL ARTICLES

1. Pascual, U., Phelps, J., Garmendia, E., Brown, K., Corbera, E., Martin, A., Gomez-Baggethun, E., Muradian, R. 2014. Social Equity matters in Payments for Ecosystem Services. *Bioscience*. (in press)
2. Noellemeyer, E.; Banwart; Black; Cai; Gicheru; Joosten; Reynaldo; Milne; Pascual; Nziguheba; Vargas; Bationo; Buschiazzi; de-Brogniez; Melillo; Richter; Termansen; Van Noordwijk; Ballabio; Govers; Bhattacharyya; Goldhaber; Nikolaidis; Zhao; Funk; Duffy; Pan; la Scala; Gottschalk; Batjes; Six; van esemael; Stocking; Bampa; Bernoux; Feller; Lemanceau; Montanarella (2014, in press). Benefits of soil carbon: Report on the outcomes of an international Scientific Committee on Problems of the Environment Rapid Assessment Workshop. *Carbon management*.
3. Etxano, E., Garmendia, E., Pascual, U., Hoyos, D., Díez, M.A., Cadiñanos, J.A., Lozano, P.J., (2014, in press). A participatory integrated assessment approach for Natura 2000 network sites. *Environment & Planning C: Government & Policy*.
4. Bateman, I.J., Harwood, A.R., Abson, D.J., Andrews, B., A. Crowe, S. Dugdale, C. Fezzi, J. Foden, D. Hadley, R. Haines-Young, M. Hulme, A. Kontoleon, P. Munday, U. Pascual, J. Paterson, G. Perino, A. Sen, G. Siriwardena, M. Termansen 2014. Economic Analysis for the UK National Ecosystem Assessment: Synthesis and Scenario Valuation of Changes in Ecosystem Services. *Environment and Resource Economics*, 57(2): 273-297 10.1007/s10640-013-9662-y
5. Abson, D.J., Termansen, T. Pascual, U. Aslam, U., Fezzi, C., Bateman, I. 2014. Valuing climate change effects upon UK agricultural GHG emissions: Spatial analysis of a regulating ecosystem service. *Environment and Resource Economics*. 57(2): 215-231. 10.1007/s10640-013-9661-z
6. Fezzi, C, I. Bateman, T. Askew, P. Munday, U. Pascual, A. Sen, A. Darnell (2014). Valuing provisioning ecosystem services in agriculture: a climate scenario analysis for the United Kingdom. *Environment and Resource Economics* 57(2): 197-214 DOI: 10.1007/s10640-013-9663-x.
7. Bateman, I.J, Harwood, A.R. Mace, G.M., Watson, R.T., Abson D.J., Andrews, B., Binner A., Crowe A., Day, B.H., Dugdale, S., Fezzi, C., Foden, J., Hadley, D., Haines-Young, R., Hulme, M., Kontoleon, A., Lovett, A.A., Munday, P., Pascual, U., Paterson, J., Perino, G., Sen, A., Siriwardena, G., van Soest, D., Termansen, M. (2013). Bringing ecosystem services into economic decision making: Land use in the UK. *Science*. 341, 45-50. DOI: 10.1126/science.1234379
8. Bateman, I.J, Harwood, A.R. Mace, G.M., Watson, R.T., Abson D.J., Andrews, B., Binner A., Crowe A., Day, B.H., Dugdale, S., Fezzi, C., Foden, J., Hadley, D., Haines-Young, R., Hulme, M., Kontoleon, A., Lovett, A.A., Munday, P., Pascual, U., Paterson, J., Perino, G., Sen, A., Siriwardena, G., van Soest, D., Termansen, M. (2013). Ecosystem Services: Nature's Balance Sheet (Response). *Science*. 342, 421-422
9. Pascual, U., Jackson, L., Drucker, A. (2013). Economics of Agrobiodiversity. *Encyclopaedia of Biodiversity*.3: 31-44. Elsevier. <http://www.sciencedirect.com/science/article/pii/B9780123847195001829>
10. Narloch, U., Pascual, U., Drucker, (2013). How to achieve fairness in payments for ecosystem services? Empirical insights from agrobiodiversity conservation auctions. *Land Use Policy* 35: 107-118.
11. Stromberg, P., Dedeurwaerdere, T., Pascual, U., 2013. The heterogeneity of public ex-situ collections of microorganisms: Empirical evidence about conservation practices, industry spillovers and public goods. *Environmental Science and Policy*. 33:19-27
12. Phelps, J., Carrasco, L.R., Webb, E.L., Koh, L.P., Pascual, U. 2013. Agricultural intensification escalates future conservation costs. *Proceedings of the National Academy of Sciences of the United States of America (PNAS)*. 110 (19): 7601-7606.

13. Muradian, R., M. Arsel, L. Pellegrini, F. Adaman, B. Aguilar, B. Agarwal, E. Corbera, D. Ezzine de Blas, J. Farley, G. Froger, E. Garcia-Frapolli, E. Gómez-Baggethun; J. Gowdy,, N. Kosoy,J.F. Le Coq, P. Leroy,P. May,P. Méral, P. Mibielli, R. Norgaard, B. Ozkaynak, U. Pascual,W. Pengue, M. Perez,D. Pesche, R. Pirard, J. Ramos-Martin, L. Rival, F. Saenz, G. Van Hecken, A. Vatn, B. Vira, K. Urama. (2013) Payments for ecosystem services and the fatal attraction of win-win solutions. *Conservation Letters*. 6(4):274-279.
14. Kumar, P., Brondizio, E., Gatzweiler, F., Gowdy, J., de Groot, J., Pascual, U., Reyers, B., Suhkdev. (2013) The economics of ecosystem services: from local analysis to national policies. *Current Opinion in Environmental Sustainability*. 5(1):78-86.
15. Rincón, A., Pascual, U., Romero, M. (2013) An exploratory spatial analysis of illegal coca cultivation in Colombia using local indicators of spatial association and socio-ecological variables. *Ecological Indicators*. 34:103-112
16. Rincón, A., Pascual, U., Flantua, S., (2013). Examining spatially varying relationships between coca crops and associated factors in Colombia, using geographically weight regression. *Applied Geography*, 37: 23-33. 10.1016/j.apgeog.2012.10.009
17. Krishna, V.V, Drucker, A.G. Pascual, U., Raghu, P.T., King, E.D.I. (2013) Estimating compensation payments for on-farm conservation of agricultural biodiversity in developing countries. *Ecological Economics*. 87: 110–123
18. Chiabai, A., Galarraga, I, Markandya, A., 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*. 56(4): 535-550. DOI: 10.1007/s10640-012-9589-8.
19. Nordhagen , S. and Pascual, U. (2013) The impact of climate shocks on seed purchase decisions in Malawi: Implications for climate change adaptation. *World Development*. 43: 238-251. 10.1016/j.worlddev.2012.08.002.
20. Hoyos, D, Mariel, P. Pascual, U., Etxano, I. (2012). Valuing a Natura 2000 network site to inform land use options using a discrete choice experiment: an illustration from the Basque Country. *Journal of Forest Economics*. 18: 329-344 10.1016/j.jfe.2012.05.002
21. Jackson, LE, Pulleman, M , Brussaard, L, Bawa, K, Brown, G, Cardoso, I, de Ruiter, P, Garcia-Barrios, L, Hollander, A, Lavelle, P, Ouedraogo, E, Pascual, U, Setty, S, Smukler, S, Tschardtke, T, van Noordwijk, M. (2012). Social-ecological and regional adaptation of agrobiodiversity management across a global set of research regions. *Global Environmental Change*. 22(3):623-639 doi.org/10.1016/j.gloenvcha.2011.10.009
22. Ziegler, A, Phelps, J, Yuen, J, W, E, Lawrence, D, Fox, J, Bruun, T, Leisz, S, Mertz, O, Dressler, W, Ryan, C, Pascual, U, Padoch, C, Koh, L.P (2012). Carbon outcomes of major land-cover transitions in SE Asia: Great uncertainties and REDD+ policy implications. *Global Change Biology*. 18(10): 3087-3099. doi: 10.1111/j.1365-2486.2012.02747.x.
23. Narloch, U., Pascual, U., Drucker, A. (2012). Collective action dynamics under external rewards: experimental insights from Andean farming communities. *World Development*. 40(10): 2096–2107. DOI: 10.1016/j.worlddev.2012.03.014
24. Corbera, E., and Pascual, U., (2012). Ecosystem services: heed social goals, *Science*, 335(6069): 655-656. DOI:10.1126/science.335.6069.655-c.

25. Van Vliet, N. Mertz, O., Heinemann, A., Langanke, T., Adams, C., Messerli, P., Leisz, S., Pascual, U., Schmook, B., Schmidt-Vogt, D., Castella, J-C., Jørgensen, L., Birch-Thomsen, T., Hett, C., Bech-Bruun, T., Ickowitz, A., Chi Vu, KI., Yasuyuki, K., Fox, J., Dressler, W., Padoch, C., Ziegler, A.D. (2012) Trends, drivers and impacts of changes in swidden cultivation in tropical forest-agriculture frontiers: A global assessment. *Global Environmental Change*, 22(2): 418–429 Doi: 10.1016/j.gloenvcha.2011.10.009
26. Sunderland, L-A., Gabriel, D., Pascual, U., Schmutz, Rigby, D Godwin, R, Sait, S.M, Sakrabani, R., Kunin, W.E., Benton, T.G, Stagl, S. (2012), The 'neighbourhood effect': a multidisciplinary assessment of the case for farmer co-ordination in agri-environmental programmes. *Land Use Policy*. 29: 502-512 doi:10.1016/j.landusepol.2011.09.003
27. Narloch, U., Pascual, U., Drucker, A.G. (2011) Cost-effectiveness targeting under multiple conservation goals and equity considerations in the Andes. *Environmental Conservation*. 38(4): 417-425. doi:10.1017/S0376892911000397
28. Pascual, U., Narloch, U., Nordhagen, S., Drucker, A. (2011). The economics of agrobiodiversity conservation for food security under climate change. *Economía Agraria y Recursos Naturales*. 11(1): 191-220.
29. Narloch, U., Drucker A. and Pascual, U (2011) Payments for agrobiodiversity conservation services for sustained on-farm utilization of plant and animal genetic resources *Ecological Economics*, 70(11): 1837-1845. doi:10.1016/j.ecolecon.2011.05.018
30. Rodríguez, L.C., Pascual, U., Muradian, R., Pazmino, N., Whitten S. (2011). Towards a unified scheme for environmental and social protection: Learning from PES and CCT experiences in developing countries. *Ecological Economics*. 70(11):2163-2174. doi:10.1016/j.ecolecon.2011.06.019
31. Wegner, G., Pascual, U. (2011). Cost-benefit analysis in the context of ecosystem services for human well-being: A multidisciplinary critique. *Global Environmental Change* 21(2):492-504. doi:10.1016/j.gloenvcha.2010.12.008
32. Wu, J., Fisher, M., Pascual, U. (2011). Urbanization and the viability of local agricultural economies. *Land Economics*. 87(1):109-125.
33. Reyes-García, V., Pascual, U., Vadez, V, Huanca, T. (2011). The role of ethnobotanical skills and agricultural labor in forest clearance. Evidence from the Bolivian Amazon. *Ambio*. 40(3): 310-321 DOI 10.1007/s13280-010-0107-3
34. Pascual, U., Corbera, E. (2011). Payments for Environmental Services: Perspectives and innovative experiences for nature conservation and rural development. *Revista Española de Estudios Agrosociales y Pesqueros*. 287: 11-32.
35. Pascual, U. (2011). Governing the Environment: Salient institutional Issues. (book review) *Journal of Integrative Environmental Sciences*. 8(1): 69-71.
36. Omer, A., Pascual, U. and Russell, N.P. (2010) A theoretical model of agrobiodiversity as a supporting service for sustainable agricultural intensification. *Ecological Economics*. 69(10):1926-1933. DOI: 10.1016/j.ecolecon.2010.04.025
37. Krishna, V., U. Pascual, D. Zilberman (2010). Assessing the potential of labelling schemes for in-situ landrace conservation: An example from India. *Environment and Development Economics*. 15: 127-151. DOI: 10.1017/S1355770X09990155

38. Martínez-Alier, J., Pascual, U., Vivien, F-D., Zaccai, E. (2010). Sustainable de-growth: Mapping the context, criticisms and future prospects of an emergent paradigm. *Ecological Economics*, 69(9): 1741-1747. DOI: 10.1016/j.ecolecon.2010.04.017
39. Stromberg, P., Pascual, U., Bellon, M. (2010). Seed systems and farmers' seed choices: The case of maize in the Peruvian Amazon. *Human Ecology*. 38: 539-553. DOI: 10.1007/s10745-010-9333-3
40. Pascual, U., Muradian, R., Rodríguez, L.C, Duraiappah, A. (2010) Exploring the links between equity and efficiency in payments for environmental services: a conceptual approach. *Ecological Economics*. 69(6):1237-1244. DOI: 10.1016/j.ecolecon.2009.11.004
41. Muradian, R. Corbera, R. Pascual, U., Kosoy, N. May, P.H. (2010) Reconciling theory and practice: an alternative conceptual framework for understanding payments for environmental services. *Ecological Economics*. 69(6):1202-1208. DOI: 10.1016/j.ecolecon.2009.11.006
42. Soto, J.L., Valdivia, E., Drucker, A., Narloch, U., Pascual, U., Pinto, M. (2010). Payments for agrobiodiversity conservation services (PACS) and its interlinkages with collective action and property rights (Case study: quinoa). *CienciaAgro. Journal de Ciencia y Tecnologia Agraria*. 2(1): 188-198.
43. Pascual, U., Martínez-Españeira, R. (2009). The effect of environmental change and price policies on livelihoods in tropical agroforestry systems. *Journal of International Development*. 21(3): 433-446. DOI: 10.1002/jid.1564
44. Ishihara, I and Pascual, U. (2009) Social capital in community level environmental governance: A critique. *Ecological Economics* 68(5): 1549-1562. DOI: 10.1016/j.ecolecon.2008.11.003
45. Pascual, U. and Perrings, C. (2007). Developing incentives and economic mechanisms for in-situ biodiversity conservation in agricultural landscapes. *Agriculture, Ecosystems and Environment*. 121: 256-268. DOI: 10.1016/j.agee.2006.12.017
46. Omer, A., Pascual, U. and Russell, N.P. (2007). Biodiversity conservation and productivity in intensive agricultural systems. *Journal of Agricultural Economics*. 58(2): 308-329. ISSN: 0021-857X. DOI: 10.1111/j.1477-9552.2007.00091.x
47. Jackson, L.E. Bawa, K.S., Brussaard, L., Pascual, U. and de Ruiter, P. (2007). Biodiversity in agricultural landscapes: Investing without losing interest. *Agriculture, Ecosystems and Environment*). 121:193-195. DOI: 10.1016/j.agee.2006.12.011.
48. Jackson, L., Bawa, K., Brussaard, L., Pascual, U., Perrings, C., de Ruiter, P. (2007). 'Agrobiodiversity'. In: Levin, S. (Ed), *Encyclopaedia of Biodiversity*, Vol 5: 1-13. Elsevier. DOI: 10.1016/B978-012226865-6/00572-9. ISBN: 978-0-12-226865-6
49. Jackson, L.E., Pascual, U. and Hodgkin, T. (2007). Utilizing and conserving agrobiodiversity in agricultural landscapes. *Agriculture, Ecosystems and Environment*. 121: 196-210. DOI: 10.1016/j.agee.2006.12.017
50. Pascual, U. and Barbier, E.B. (2007). On price liberalization, poverty and shifting cultivation: An example from Mexico. *Land Economics*, 83(2):192-216. ISSN: 0023-7639. DOI:10.3368/le.83.2.192
51. Perrings, C., Jackson, L., Bawa, K., Brussaard, L., Brush, S., Gavin, T., Papa, R., Pascual, U., de Ruiter, P., (2006). 'Biodiversity in agricultural landscapes: Saving natural capital without losing interest', *Conservation Biology*, 20(2): 263-264. DOI: 10.1111/J.1523-1739.2006.00390.x

52. Pascual, U. and Barbier, E.B. (2006). 'Deprived Land-Use Intensification in Shifting Cultivation: The Population Pressure Hypothesis Revisited', *Agricultural Economics*, 34: 155-165. DOI: 10.1111/j.1574-0864.2006.00115.x ISSN: 0169-5150.
53. Pascual, U. and Martínez-Espiñeira, R. (2006). Second-best policy options against poverty and environmental degradation in forest based agricultural systems. *Economía Agraria y Recursos Naturales*, 12:121-144. ISSN 1578-0732
54. Rodríguez, L.C., Pascual, U. and Niemeyer, H.M. (2006). 'Local identification and valuation of ecosystem goods and services from Opuntia scrublands of Ayacucho, Peru, *Ecological Economics*. 57: 30-44. DOI: 10.1016/j.ecolecon.2005.03.022
55. Konchak, W. And Pascual, U. (2006). 'Changing paradigms for a co-evolutionary environmental limit discourse', *Environmental Science and Policy* 9(1):10-21. DOI: 10.1016/j.envsci.2005.08.004
56. Pascual, U. (2005). 'Land-use intensification potential in slash-and-burn farming through improvements in technical efficiency', *Ecological Economics*. 52:497-511. DOI: 10.1016/j.ecolecon.2004.09.012
57. Rodríguez, L.C. and Pascual, U. (2004). 'Land clearance and social capital in mountain Agro-Ecosystems: The case of Opuntia Scrubland in Ayacucho, Peru'. *Ecological Economics*. 49: 243-252. DOI: 10.1016/j.ecolecon.2004.03.023
58. Pascual, U. (1998). 'Peasant economics and soil degradation' UZTARO, *Basque Social Science Journal*, 35, pp: 19-31.

BOOKS AND MONOGRAPHS

1. Pascual, U., Corbera, E. (2011). Payments for Environmental Services and Economic Development: Perspectives and Challenges. *Revista Española de Estudios Agrosociales y Pesqueros*. Monograph 228. 165 pp. Spanish Ministry of Agriculture, Environment and Marine Environment. Madrid.
2. Pascual, U., Corbera, E., Muradian, R., Kosoy, N. (2010). Special Issue monograph in *Ecological Economics*. Volume 69: 1202-1302. Elsevier. The Netherlands.
3. Pascual, U., Shah, A., and J. Bandyopadhyay (2009): 'Water, Agriculture and Sustainable Well-being'. Oxford University Press. 360 pp. ISBN: 0198061757.
4. Kontoleon, A., Pascual, U. and M. Smale (2009): 'Agrobiodiversity Conservation and Economic Development'. Routledge, Abingdon, UK. 456pp. ISBN: 978-0-415-46505-2
5. Kontoleon, A., Pascual, U. and T. Swanson (2007): 'Biodiversity Economics'. Cambridge University Press, Cambridge, UK. 692pp. ISBN-13: 9780521866835.
6. Jackson, L., Bawa, K., Pascual, U., Perrings, C. (2005) "AgroBIODIVERSITY: A New Science Agenda for Biodiversity in Support of Sustainable Agroecosystems". DIVERSITAS No. 4, pp. 44. Paris, France. [ISBN: 2-9522982-2-X – ISSN: 1813-7105]

BOOK CHAPTERS

1. Pascual, U. and Rigby, D. (in press). 'Values and Limits: Debates within Environmental Economics' (in Allington and McCombie, eds): "Cambridge Essays in Applied Economics" Chapter 9. Cambridge University Press.
2. Banwart, S., Black, H., Cai, Z., Gicheru, P., Joosten, H., Victoria, R., Milne, E., Noellemeyer, E., Pascual, U., *et al.* (forthcoming), Paustian, K., Pan, G., Smith, P. (Eds). Benefits of soil carbon. Special report on the outcomes of an international scientific committee on problems of the environment rapid assessment (scope-rap) workshop.
3. Pascual, U, Termansen, M, Abson, D. (2014). The economic value of soil carbon. In: Banwart S., Noellemeyer E., and Milne E. eds. Soil Carbon – Science, management and policy for multiple benefits. SCOPE series volume 71. Wallingford, United Kingdom: CABI.org.
4. Funk, R, Pascual, U., Joosten, H., Duffy, C. Pan, G., la Scala, N., Gottschalk, P. Banwart, S., Batjes, N., Cai, Z., Six, J., Noellemeyer, N. (2014) From potential to implementation: An innovation framework to realise the benefits of soil carbon. . In: Banwart S., Noellemeyer E., and Milne E. eds. Soil Carbon – Science, management and policy for multiple benefits. SCOPE series volume 71. Wallingford, United Kingdom: CABI.org.
5. Pascual, U., Muradian, R., Rodriguez, L.C., Duraipappah, A.K. (2013). Revisiting the Relationship between Equity and Efficiency in Payments for Ecosystem Services. In: Kumar, P, Thiaw, I (Eds) "Values, Payments and Institutions for Ecosystem Management". Chapter 5. Edgar Elgar.
6. Rodriguez, L.C.; Pascual, P., Muradian, R., (2013): Are The Amounts of Payments for Environmental Services Enough to Contribute to Poverty Alleviation Efforts in Developing Countries? . In: Kumar, P, Thiaw, I (Eds) "Values, Payments and Institutions for Ecosystem Management". Chapter 6. Edgar Elgar.
7. Rodriguez, L.C., Pascual, U., Muradian, R., Pazmino, N. and Whitten, S. (2013) Unifying Environmental and Social Protection: Learning from PES and CCT in Developing Countries. In: Kumar, P, Thiaw, I (Eds) "Values, Payments and Institutions for Ecosystem Management". Chapter 7. Edgar Elgar.
8. Narloch, U, Drucker, A., Pascual, U., Exploring the Potential of Payments for Ecosystem Services for in-situ Agrobiodiversity Conservation. In: Kumar, P, Thiaw, I (Eds) "Values, Payments and Institutions for Ecosystem Management". Chapter 8. Edgar Elgar.
9. Garmendia, E. and Pascual, U. (2013) A justice critique of environmental valuation for ecosystem governance. Chapter 8 in Sikor, T. "Justices and Injustices of Ecosystem Services" Routledge. London, UK. ISBN: 978-0-415-82540-5
10. Stromberg, P.M. Pascual, U. Ituarte-Lima, C. 2012. "Property Rights and Government Involvement in Market-like Biodiversity Conservation: Empirical analysis of bioprospecting" In: Governing the Provision of Ecosystem Services, (Muradian, R., Rival, L, Eds). Springer, Nijmegen, The Netherlands.
11. Dedeurwaerdere, T., P.M. Stromberg and Pascual, U. (2012). Social motivations and incentives in ex situ conservation of microbial genetic resources. In: Dulong de Rosnay, M. and de Martin, J.C (eds). *The Digital Public Domain: Foundations for an Open Culture*. Chapter 6, pp. 111-124. Openbook Publishers. Cambridge, UK. ISBN: 978-1-906924-46-1
12. Ishihara, I., Pascual, U. (2011). Social Capital and Collective Action in Environmental, Governance Revisited . (in Brousseau, E., Dedeurwaerdere, T., Jouvét, M. Willinger, P.-A, (Eds): "Global Environmental Commons:

- Analytical and Political Challenges in Building Governance Mechanisms”. Chapter 1 (Part III). Oxford University Press. Oxford, UK.
13. Bateman, I., Abson, D., Beaumont, N., Darnell, A Fezzi, Hanley, N., Kontoleon, A., Maddison, D., Morling, P., Morris, J., Mourato, S., Pascual, U., Perino, G., Sen, A., Tinch, D., Turner, K., Valatin, G.. Chapter 22: Economic Values from Ecosystems. In: UK National Ecosystem Assessment (2011) The UK National Ecosystem Assessment Technical Report. UNEP-WCMC, Cambridge.
 14. Pascual, U., Muradian, R., Brander, L., Gómez-Baggethun, E., Martín-López, M., Verman, M., Armsworth, P., Christie, M., Cornelissen, H., Eppink, F., Farley, J., Loomis, J., Pearson, L., Perrings, C., Polasky, S. (2010). The economics of valuing ecosystem services and biodiversity. In Kumar, P (ed): *The Economics of Ecosystems and Biodiversity Ecological and Economic Foundations*. Chapter 5, pp. 183-256. Earthscan.
 15. Kumar, P., Brondizio, E., Elmqvist, T., Gatzweiler, F., Gowdy, J., de Groot, D., Muradian, R., Pascual, U., Reyers, B., Smith, R. B-W., Sukhdev, P. (2010). Lessons learned and linkages with national policies. The economics of valuing ecosystem services and biodiversity. In Kumar, P (ed): *The Economics of Ecosystems and Biodiversity Ecological and Economic Foundations*. Chapter 7, pp.285-306. Earthscan.
 16. Colman, D., Pascual, U., Hodge, I, (2010) Evolution of Land Conservation Policy. In: *Changing Landscape of European Agriculture: Essays in Honour of Professor Csaba Csaki (Eds)* by Ferto, I. Forgacs, C. and Jambor, A. Agroinform, Budapest.
 17. Omer, A., Pascual, U. and Russell, N.P. (2010). The contribution of biodiversity to modern intensive farming systems. In Stewart Lockie and David Carpenter ed: *“Agriculture, Biodiversity and Markets: Livelihoods and Agroecology in Comparative Perspective”*. pp 117-136. Earthscan.
 18. Pascual, U., Shah, A., and J. Bandyopadhyay (2009) ‘Water, Agriculture and Sustainable Well-being: Introduction’. Chapter 1. In Pascual, U., Shah, A., and J. Bandyopadhyay (eds) ‘Water, Agriculture and Sustainable Well-being’. Chapter 1. Oxford University Press. Oxford, UK.
 19. Pascual, U., Maddison, D., Field, E., Choudury, Z., (2009). Trade-offs between Risk and Latency of Health Hazards from Groundwater Contamination: An example from Bangladesh. In Pascual, U., Shah, A., and J. Bandyopadhyay (eds) ‘Water, Agriculture and Sustainable Well-being’. Chapter 3. Oxford University Press. Oxford, UK.
 20. Stromberg, P., Pascual, U., Bellon. M. (2009). Etnicidad, agrobiodiversidad y sistemas locales de semillas en el Amazonas central Peruano. Chapter 9. In Hermann M, Amaya K, Latournerie L, Castiñeiras, L (Eds). *¿Cómo conservan los agricultores sus semillas en el trópico húmedo de Cuba, México y Perú? Experiencias de un proyecto de investigación en sistemas informales de semillas de Chile, frijoles y maíz*. Bioersity International, Rome, Italy. 123-142. pp. 179. ISBN: 978-92-9043-812-0
 21. Perrings, C., S. Baumgärtner, W.A. Brock, K. Chopra, M. Conte, C. Costello, A. Duraiappah, A.P. Kinzig, U. Pascual, S. Polasky, J. Tschirhart, A. Xepapadeas (2009): *The Economics of Biodiversity and Ecosystem Services*. Chapter 17, in: Naeem S., D. Bunker, A. Hector, M. Loreau and C. Perrings (eds): *“Biodiversity, Ecosystem Functioning, and Human Wellbeing: An Ecological and Economic Perspective”*. Oxford University Press, Oxford, UK. ISBN: 9780199547951
 22. Barbier, E.B., S. Baumgärtner, K. Chopra, C. Costello, A. Duraiappah, R. Hassan, A. Kinzig, M. Lehman, U. Pascual, S. Polasky, C. Perrings (2009): *The Valuation of Ecosystem Services*. Chapter 18, in: Naeem S., D. Bunker, A. Hector, M. Loreau and C. Perrings (eds): *“Biodiversity, Ecosystem Functioning, and Human Wellbeing: An Ecological and Economic Perspective”*. Oxford University Press, Oxford, UK. ISBN: 9780199547951

23. Brock, W.A., D. Finnoff, A.P. Kinzig, U. Pascual, C. Perrings, J. Tschirhart, A. Xepapadeas (2009). Modeling Biodiversity And Ecosystem Services in Coupled Ecological-Economic System. Chapter 19, in: Naeem S., D. Bunker, A. Hector, M. Loreau and C. Perrings (eds): "Biodiversity, Ecosystem Functioning, and Human Wellbeing: An Ecological and Economic Perspective". Oxford University Press, Oxford, UK. ISBN: 9780199547951
24. Kontoleon, A., Pascual, U., and Smale, M. (2009). Agrobiodiversity for Economic Development. What do we Know? In "Agrobiodiversity Conservation and Economic Development" (Kontoleon, A., Pascual, U., and Smale, M, eds). Routledge, Abingdon, UK. Chapter 1: pp 1-25. ISBN: 978-0-415-46505-2
25. Krishna, V. and Pascual, U., (2009). Can greening markets help conserve landraces in situ? Eggplants in India. In "Agrobiodiversity Conservation and Economic Development" (Kontoleon, A., Pascual, U., and Smale, M, eds).. Routledge, Abingdon, UK. Chapter 15: 267-289. . ISBN: 978-0-415-46505-2
26. Omer, A., Pascual, U. and Russell, N.P. (2009). Biodiversity conservation and productivity in intensive agricultural systems. In "Agrobiodiversity Conservation and Economic Development" (Kontoleon, A., Pascual, U., and Smale, M, eds). Routledge, Abingdon, UK. Chapter 8: 113-136.
27. Rodríguez, L.C., Pascual, U., Niemeyer, H.M (2009). Local Identification and Valuation of Ecosystem Goods and Services from Opuntia Scrublands of Ayacucho, Peru. In C. Perrings (ed) Ecological Economics, Volume 3, SAGE, London: 253-273. ISBN: 9781412948609
28. Pascual, U. and Perrings, C. (2008). Developing incentives and economic mechanisms for in-situ biodiversity conservation in agricultural landscapes. In: "Conserving and Valuing Ecosystem Services and Biodiversity" (Ed. K.N. Ninan). Earthscan, UK. ISBN: 9781849711739
29. Deurwaerdere, T., Krishna, V., and Pascual, U (2007). An evolutionary institutional economics approach to the economics of bioprospecting" (in Kontoleon, Pascual and Swanson, eds): "Biodiversity Economics: Principles, Methods and Applications". Chapter 15, pp. 417-445. Cambridge University Press. ISBN: 9780521866835.

RESEARCH THESES

1. Pascual, U. (2002). Modeling Labour Supply and Soil Quality in Shifting Cultivation Agriculture. Doctoral dissertation, Environment Department, University of York (UK).
2. Pascual, U. (1997) Poverty and Soil Degradation in Rural Areas of the Third World: A theoretical Approach. MSc research dissertation, Environment Department, University of York (UK).

POLICY DISCUSSION PAPERS

1. Pascual, U., Garmendia, E., Phelps, J. Ojea, E., 2013. *Leveraging global climate finance for sustainable forests: Opportunities and conditions for successful foreign aid to the forestry sector*. WIDER Working Paper2013/54. United Nations University - World Institute for Development Economic Research ,ISBN: 978-92-9230-631-1. http://www.wider.unu.edu/publications/working-papers/2013/en_GB/wp2013-054/
2. Pascual, U., Markandya, A., (2013) *The long road of climate negotiations: From Kyoto to Paris stopping over in Doha*. Basque Centre for Climate Change (BC3) Policy brief series 2013-01. www.bc3research.org/index.php?option=com_pbriefings&Itemid=292&lang=en
3. Ishihara and Pascual, U. Institutions and Agency in Creating Collective Action for Common Pool Resources. Environment Economy and Policy Research working paper. 53.2012.

4. Abson, D. J., Termansen, M., Pascual, U., Fezzi, C., Bateman, I.J., and Aslam, U. (2011) *Valuing regulating services (climate regulation) from UK terrestrial ecosystems*, Report to the Economics Team of the UK National Ecosystem Assessment, <http://uknea.unep-wcmc.org/LinkClick.aspx?fileticket=mqog0QhILso%3d&tabid=82>
5. "Exploring the potential of payments for ecosystem services for in-situ agrobiodiversity conservation" Discussion Paper N.14. Ecosystem Services Economics Unit, Division of Environmental Policy Implementation, United Nations Environmental Programme (UNEP), Nairobi, Kenya. 2011. http://depi.unep.org/index.php?option=com_docman&task=doc_download&gid=931&Itemid=119
6. "Cost-Benefit Analysis in the Context of Ecosystem Services for Human Well-Being: A Multidisciplinary Critique" Discussion Paper N.13. Ecosystem Services Economics Unit, Division of Environmental Policy Implementation, United Nations Environmental Programme (UNEP), Nairobi, Kenya. 2011. http://depi.unep.org/depi.unep.org/index.php?option=com_docman&task=doc_download&gid=932&Itemid=119
7. "Are the amounts of Payments for Environmental Services enough to contribute to poverty alleviation efforts in developing countries?" Discussion Paper N.12. Ecosystem Services Economics Unit, Division of Environmental Policy Implementation, United Nations Environmental Programme (UNEP), Nairobi, Kenya. 2011. http://depi.unep.org/index.php?option=com_docman&task=doc_download&gid=930&Itemid=119
8. "Towards a unified scheme for environmental and social protection: Learning from PES and CCT experiences in developing countries" Discussion Paper N.11. Ecosystem Services Economics Unit, Division of Environmental Policy Implementation, United Nations Environmental Programme (UNEP), Nairobi, Kenya. 2011. http://depi.unep.org/index.php?option=com_docman&task=doc_download&gid=928&Itemid=119
9. Payments for Ecosystem Services Towards an Implementation Strategy. Carius, F (ed). Report of the International Expert Workshop 13th - 16th December 2010 International Academy for Nature Conservation Isle of Vilm, Germany http://www.bfn.de/fileadmin/MDB/documents/service/Skript_326.pdf
10. "Revisiting the relationship between equity and efficiency in Payment for Environmental Services". Discussion Paper n.1. Ecosystem Services Economics Unit, Division of Environmental Policy Implementation, United Nations Environmental Programme (UNEP), Nairobi, Kenya. 2009. http://depi.unep.org/depi.unep.org/index.php?option=com_docman&task=doc_download&gid=918&Itemid=119
11. "An integrated methodological framework to value Red Natura 2000 Network sites in the Basque Country". IHOBE. Basque Government. 2009.
12. "Modelling household decisions on agro-biodiversity and livelihood diversification under climatic risks: An example from Eastern Ethiopia", Agricultural Development Economics ESA policy paper. United Nations Food and Agriculture Organization (UNFAO), Rome, Italy. 2008.
13. "Livelihood diversity and vulnerability under extreme drought: An example from Eastern Ethiopia", Agricultural Development Economics ESA policy paper. United Nations Food and Agriculture Organization (UNFAO), Rome, Italy. 2008.
14. "Incorporating Biodiversity into Integrated Assessments of Trade Policy in the Agricultural Sector. Volume II: A reference manual". Economics and Trade Branch Division of Technology, Industry and Economics United Nations Environment Programme (UNEP), Geneva, Switzerland. 2007.
15. "The Total Economic Value of Forests in the Basque Country". IKT Ikerketa eta Nekazal Teknologia. EU project: INTERREG III B FORSEE: Sustainable FORest management pp. 78. Vitoria, Spain. 2007.

RESEARCH PROJECTS

1. Project title: The value of Panamanian forests and their contribution to the Economy of Panama

Project timeframe: 2013-2014

Funder: United Nations Environmental Programme (UNEP)

Role: PI

Total Project Budget: €60,000

2. Project title: The role of agrobiodiversity for climate change adaptation

Project timeframe: 2012-2014

Role: Co-PI with Adam Drucker (Bioversity International)

Total Project Budget: € 75,000

3. Project title: On-farm participatory network for climate change adaptation and visualization in the Indo-Gangetic Plains (IGP)

Project timeframe: June-Dec 2012

Role: Co-PI with Adam Drucker (Bioversity International)

Total Project Budget: € 25,000

4. Project title: Payments for Agrobiodiversity Conservation (PACS) in Peru.

Project timeframe: 2012-13

Role: Co-PI with Adam Drucker (Bioversity International)

Total Project Budget: \$28,000

5. Project title: Bottom-up Climate Adaptation Strategies towards a Sustainable Europe (BASE).

Funder: EU FP7 Programme (ENV.2012.6.1-3: Strategies, costs and impacts of adaptation to climate change)

Project timeframe: 2012- 2016

Role: Co-I

Total Project Budget: € 7,600,000.

6. Project title: Ecological Function and Biodiversity Indicators in European Soils (EcoFINDERS).

Funder: EU FP7 Programme (ENV-2010-2.1.4.4. Collaborative project, large-scale integrating project)

Project timeframe: 2011- 2015

Role: Co-I & Work Package leader. PI: Phillipe Lemanceau (INRA, Dijon, France)

Total Project Budget: € 7,000,000. (BC3: €231,376)

7. Project title: Incentives for soil carbon, food security and biodiversity conservation.

Funder: Cambridge Conservation Initiative Strategic Fund, University of Cambridge, UK

Project timeframe: Jan- June 2011

Role: Co-Investigator. PI: Alison Rosser (United Nations Environmental Program – Wold Monitoring Conservation Centre, UK)

Total Project Budget: UK£ 24,000

8. Project title: UK National Ecosystem Assessment.

Funder: Natural Environment and Research Council (NERC), UK

Project timeframe: 2009-2011

Role: Co-Investigator. PI: Ian Bateman (University of East Anglia, UK)

Total Project Budget: UK£ 500,000 (aprox.)

9. Project title: Transition of shifting cultivation systems at the agriculture/forest frontiers

Funder: Danish Social Science Research Council

Project timeframe: January 2009-December 2012

Role: Co-Investigator. PI: Ole Mertz (University of Copenhagen)

Total Project Budget: US\$ 400,000

- 10. Project title:** Payment for Agrobiodiversity Conservation Services (PACS) and implications for collective action and property rights. Funder
Funder: CGIAR Systemwide Program on Collective Action and Property Rights
Project timeframe: 2009- 2012
Role: Co-Investigator. PI: Adam Drucker (Bioversity International)
Total Project Budget: US\$ 150,000
- 11. Project title:** Payments for ecosystem services from agrobiodiversity conservation (PACS)
Funder: Syngenta Foundation
Project timeframe: 2009-June 2011
Role: Co-Investigator. PI: Adam Drucker (Bioversity International)
Total Project Budget: US\$ 120,000
- 12. Project title:** Payment for Ecosystem Services: Multiple perspectives on efficiency, equity and valuation
Funder: United Nations Environmental Programme (UNEP)
Project timeframe: 2009-June 2011
PI: Unai Pascual
Total Project Budget: US\$ 43,000
- 13. Project title:** An integrated analysis of scale effects in alternative agricultural systems
Funder: UK research councils (ESRC/BBSRC/NERC) under the Rural Economy and Land Use (RELU) programme.
Project timeframe: 2006-June 2010
Role: Co-Investigator. PI: Sigrid Stagl (University of Sussex)
Total Project Budget: UK£ 800,000
- 14. Project title:** Integrated methodological framework for the valuation of sites of Natura 2000 Network in the Basque Country - Propuesta de marco metodológico para la valoración de Espacios Red Natura 2000 en la CAPV
Funder: IHOBE (Basque Country)
Project timeframe: 2009
Role: Co-Investigator. PI: Iker Etxano (UPV-EHU)
Total Project Budget: € 70,000
- 15. Project title:** Agrobiodiversity conservation and economic development in Ethiopia
Funder: United Nations Food and Agriculture Organisation (FAO)
Project timeframe: 2009
Role: PI.
Total Project Budget: US\$ 8,000
- 16. Project title:** The potential role of sustainable intensification in agro-ecological systems
Funder: UK research councils (ESRC/BBSRC/NERC)
Project timeframe: 2004-2005
Role: Co-Investigator. PI: Noel Russell (University of Manchester)
Total Project Budget: UK£ 50,000

INTERNATIONAL SCIENCE-POLICY ENGAGEMENT

1. Spanish delegate in the Intergovernmental Platform on Biodiversity and Ecosystem Services IPBES expert meeting. Guide on policy support tools and methodologies Deliverable 4c 6-8 May 2014. Bonn (Germany)
2. Delegate to the expert meeting of the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES) to develop the IPBES conceptual framework (nominated by the Spanish ministry of the Environment). 25-26 August, 2013. Cape Town, South Africa.
3. 1st Plenary of the Intergovernmental Panel on Biodiversity and Ecosystem Services (IPBES). Bonn (21-26 January, 2013). Member of the International Council for Science (ICSU) delegation.
4. Author of the Report on the outcome of the expert workshop on main issues relating to the development of a conceptual framework for the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES): Authors: Duraiappah Anantha, Larigauderie Anne, Brondizio Eduardo S., Mace Georgina, Arico Salvatore, Asah T. Stanley, Ash Neville, Baptiste Brigitte, Brooks Thomas, Aillaux Jorge, Dias Sandra, Escobar-Briones Elva G., Eyzaguirre Pablo B., Fischer Markus, Gundimeda Haripriya, Hashimoto Shizuka, Jama Mohamud, Leadley Paul, Mooney Harold A., Mumby Peter, Nagendra Harini, Nakashima Douglas, Nesshoever Carsten, Nettleton Carino Joji, Pascual Unai, Reyers Belinda, Saito Osamu , Schultz Maria, Spierenburg Marja , Sumaila Rashid, Tallis Heather. UNESCO. Paris. 26-29 October 2012.
5. Multi-Stakeholder Dialogue on Payments for Environmental Services/ Remuneration of Positive Externalities. *Gathering evidence on PES and other incentive mechanisms for sustainable land and water management* 12-13 September, 2013. FAO, Rome
6. Joint Agriculture Food security and Climate Change FACCE- JPI and EU BiodivERSA network strategic expert meeting. 5/3/2013 Paris
7. Future Earth Europe Regional Workshop, Paris, 13-14 May 2013. Foundation Simone et Cino Del Duca, Paris. International Council for Science (ICSU) http://wcrp.ipsl.jussieu.fr/future_earth/index.html
8. Plenary address to the Presidency of the European Union (Hungary) and European Member State delegates. "Innovative Financial Mechanisms for Biodiversity Conservation: The role of Payments for Ecosystem Services". Budapest, Hungary. March 2011.

PROFESIONAL ASSOCIATION MEMBERSHIP and OTHER SERVICES

- External Examiner to the undergraduate (BSc) and postgraduate (MSc) programs. University of York, Environment Department, UK (2008- 2011)
- Expert course design of course on Payments for Ecosystem Services (CIHEAM - Instituto Agronómico Mediterráneo de Zaragoza . 2013
- Scientific Evaluator for International Research Councils
 - Portuguese Science Foundation (ESF) through the European Science Foundation, 2014
 - European Science Foundation (ESF) – Axa Research Fund postdoctoral program, 2014
 - Natural Environment Research Council, UK (2013)
 - Economic and Social Research Council. 2013.
 - Swedish Research Council Formas Expert Panel on Sustainable development in low-income countries. 2013.

- The Norwegian research council. Norwegian National Climate Change Programme – Climate Change impacts and impacts in Norway (NORKLIMA) 2012.
- Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning (www.formas.se) 2009-2012
- EU Commission Framework Program 7. Biodiversa ERA-net program. (www.biodiversa.org). 2011.
- EU Commission Framework Program 7 project evaluator: SCALE project (www.scales-project.net). 2011.
- EU Commission Framework Program 7 (Sub-Activity 6.4.2 “Forecasting methods and assessment tools for sustainable development taking into account differing scales of observation”). (www.euresearch.ch/index.php?id=788) 2010-11.
- UK Ecosystems Services for Poverty Alleviation (ESPA) programme funded by the Department of International Development, DFID, Natural and Environmental Research Council (NERC), Economics and Social Science Research Council, ESRC (UK). (www.nerc.ac.uk/research/programmes/espa) 2009-10
- French National Research Agency - Biodiversity Research Program. (www.agence-nationale-recherche.fr). 2007-10:
- International Science Foundation. 2005-07

Teaching in advanced courses:

- “Soil ecosystem services: a social-ecological approach”. UPV-EHU Summer School: Theme: “Hacia una estrategia vasca del suelo”. Donostia 28 July 2014.
- Advanced/Postgraduate course on Payments for Ecosystem Services. CIHEAM - Instituto Agronómico Mediterráneo de Zaragoza, February 2014.
- I Ecological Economics. Del fin de los combustibles fósiles a la economía solar. UPV-EHU. Basque Country University. October 2013.
- ‘The ecosystem service approach to inform the economics of climate change research: Recent developments’. UPV-EHU summer school. Donostia. July 11, 2012.

Elected Board Member: European Society for Ecological Economics, ESEE. Elected for the terms: 2006-2009 & 2010-2012

Member of the following academic associations (past and present): European Society for Ecological Economics (ESEE), International Society for Ecological Economics (ISEE), European Association of Environmental & Resource Economists (EAERE), International Association of Agricultural Economists (IAAE), UK Agricultural Economics Society (AES), UK Network of Environmental Economists, BIOECON

Membership to scientific committees and scientific initiatives:

1. 11th European Society of Ecological Economics, 2015. Leeds, UK. Scientific committee member.
2. European Society of Ecological Economics conference, Iceland, 15-16 August, 2014.
3. Reviewer for the Global Biodiversity Outlook (fourth edition) GBO-4.
4. Member of the International Review Board of the Inclusive Wealth Report 2012. International Human Dimensions Programme on Global Environmental Change (IHDP), Bonn, Germany.
5. 18th European Association of Environmental and Resource Economists. 29 June-2 July. 2011. Rome, Italy.
6. 9th European Society of Ecological Economics, 2011: “Advancing Ecological Economics: Theory and Practice” 2011. Istanbul, Turkey.
7. 7th European Society of Ecological Economics, 2007: “Integrating Natural and Social Sciences for Sustainability”. 5-8th June 2007, Leipzig, Germany

8. 11th Biennial Conference of the International Society of Ecological Economics "Advancing Sustainability in a Time of Crisis". Oldenburg and Bremen, Germany (22 - 25 August 2010)
9. 10th Biennial Conference of the International Society of Ecological Economics, 2008: "Applying Ecological Economics for Social and Environmental Sustainability". Nairobi, Kenya, 7-11 August 2008
10. 9th International BIOECON Conference. Economics and Institutions for Biodiversity Conservation, Kings College Cambridge, 19-21 September 2007
11. 8th International BIOECON Conference. Economic Analysis of Ecology and Biodiversity. Cambridge, UK. 29-30 August, 2006.
12. 2nd Spanish Biodiversity Conference. 2011. Granada, June, 2011.
13. Spanish Biodiversity Conference. 2013. Bilbao, February, 2011.
14. 4th AERNA Conference Spanish-Portuguese Association of Natural Resources and Environmental Economics. Palma de Mallorca. 2-5 June 2010.

SERVICE TO JOURNALS, PUBLISHERS, CONFERENCES & RESEARCH COUNCILS

Academic Journal Editorial Board Member: Global Environmental Change (2013-2016); Environment and Development Economics (2008-2013); Revista Espanola de Estudios Agrosociales y Pesqueros (2008-); International Journal of Ecology & Development (2008-2011); International Journal of Ecological Economics & Statistics (2006-09)

Journal Editor: *Revista Española de Estudios Agrosociales y Pesqueros* (2011); *Ecological Economics* (2010); *Agriculture, Ecosystems & Environment* (2007)

Service as Journal referee:

- | | |
|---|---|
| 1. <i>Journal of Environmental Economics & Management</i> | 19. <i>Environmental Conservation</i> |
| 2. <i>American Journal of Agricultural Economics</i> | 20. <i>Conservation Letters</i> |
| 3. <i>Ecological Economics</i> | 21. <i>Ecology & Society</i> |
| 4. <i>Land Economics</i> | 22. <i>Biological Conservation</i> |
| 5. <i>World Development</i> | 23. <i>AMBIO</i> |
| 6. <i>Geographical Journal</i> | 24. <i>Revista Iberoamericana de Economía Ecológica</i> |
| 7. <i>Environment and Development Economics</i> | 25. <i>Latinoamericanist</i> |
| 8. <i>European Journal of Agricultural Economics</i> | 26. <i>International Journal of the Commons</i> |
| 9. <i>Agricultural Economics</i> | 27. <i>Environmental Policy and Governance</i> |
| 10. <i>Regional Studies</i> | 28. <i>Journal of Human Development and Capabilities</i> |
| 11. <i>Cambridge Journal of Regions, Economy and Society</i> | 29. <i>The Solutions Journal</i> |
| 12. <i>Journal of Agricultural Economics</i> | 30. <i>Ecological Complexity</i> |
| 13. <i>Agroforestry Systems</i> | 31. <i>Science</i> |
| 14. <i>Forest and Policy Economics</i> | 32. <i>Proceedings of the National Academy of Sciences of the USA</i> |
| 15. <i>Environmental Science and Policy</i> | |
| 16. <i>Global Environmental Change</i> | |
| 17. <i>Land use Policy</i> | |
| 18. <i>Environmental and Resource Economics</i> | |

Reviewer/evaluator of published books, policy reports and conferences (& back cover endorsements):

1. "The economics of ecosystem services: lessons from the Brazilian experience" (Carlos Eduardo Frickmann Young). Springer. 2014.
2. "The Handbook of Sustainable Economics". Roberto Bermejo. Springer. 2012.
3. The Inclusive Wealth Report (UNU-IHDP and UNEP) launched at the RIO+20 Earth Summit conference in June 2012.
4. The Economics of Managing Crop Diversity On-farm: Case studies from the Genetic Resources Policy Initiative. By Edilegnaw Wale, Adam Drucker, Kerstin Zander (Eds). Edgar Elgar. 2011
5. "Governing the Environment: Salient institutional Issues". By Albert Breton, Giorgio Brosio, Silvana Dalmazzone and Giovanna Garrone (Eds). Edgar Elgar. 2011.
6. "The Economics of Ecosystems and Biodiversity Ecological and Economic Foundations". Kumar, P (ed). Routledge. 2010.
7. "Fifty years of invasion ecology" by David M. Richardson (Ed). Wiley-Blackwell. 2010.
8. "Agriculture, Biodiversity and Markets: Livelihoods and Agroecology in Comparative Perspective", by Stewart Lockie and David Carpenter (Eds). Earthscan. 2008.
9. "Biotechnology and agricultural development: Transgenic cotton, rural institutions and resource-poor farmers". By *Robbert Tripp (Ed)*. Routledge. 2008.
10. "Markets, Seeds and Development", by Leslie Lipper, Leigh Anderson and Timothy J. Dalton (Eds). Earthscan. 2008.
11. "New perspectives on agri-environmental policies: A multidisciplinary and transatlantic approach". By Stephan Goetz and Floor Brouwer (Eds). Routledge. 2007.
12. The Economics of Biodiversity Conservation Valuation in Tropical Forest Ecosystems". By K.N. Ninan. Earthscan. 2007.

PHD SUPERVISOR

1. Hiroe Ishihara: Whose value should be valued in Environmental Policy formulation; Power relations and environmental evaluation? University of Cambridge. Since 2008. PhD awarded: 2014.
2. Stella Nordhagen "The value of agrobiodiversity under climate change". University of Cambridge. Since 2009. PhD awarded: 2014.
3. Marta Olazabal: Sustainable Urban Development under Climate Change and Resource Scarcity. PhD awarded : 2014.
4. Alexander Rincón: "Coca crops, forests, people and anti-drug policy in Colombia: Towards the understanding of a complex relationship" Universidad Autónoma de Barcelona co-supervised by Joan Martínez Alier. Awarded 2012.
5. Ulf Narloch: "The role of payment for environmental service schemes in agro-ecosystems under Climate Change". University of Cambridge. PhD awarded: 2011

6. Dr. Per Stromberg: *Markets for Biodiversity Goods and Services*. University of Cambridge, University of Cambridge. PhD Awarded in 2008.
7. Dr. Andres López: *The Impact of Government Behaviour on Agricultural Income, Trade and the Environment*. University of Cambridge. PhD Awarded in 2008.
8. Dr. Amani Omer "An Economic Analysis of Interactions between Agriculture and Biodiversity". School of Economic Studies, University of Manchester. PhD Awarded in 2004.
9. Juan Luis Eugenio Martin: "Multicriteria evaluation of sustainable tourism development projects." University of Cambridge.
10. Aiora Zabala: *Economic and institutional analysis of sustainable agroforestry adoption by smallholders in Chiapas, Mexico*. University of Cambridge. Since 2010.
11. Giulia Wegner: "A socio-institutional analysis of wildlife conservation in Africa". University of Oxford, co-supervised by David McDonald. Since 2009.

PHD EXAMINER

1. Dr. Khandaker M.A. Munim. *Salinity intrusion and food security. Evidence from three food systems in South Western Bangladesh*. University of Leeds, 5 June 2013. External examiner.
2. Dr. Melina Barrio. *Economics. Assessment and management of Galician ecosystems: new frontiers and applications*. University of Santiago de Compostela, Spain. 2010. Chair of examination panel.
3. Dr. Eduardo Garcia Frapolli: *Conservation from Below: Socio-ecological Systems in Natural Protected Areas in the Yucatan Peninsula, Mexico*. Universidad Autónoma de Barcelona. 2006. Member of examination panel.
4. Dr. Tiziano Gomiero: *Multi-Objective Integrated Representation (MOIR): an Innovative Tool for Farming System Analysis*. Universidad Autónoma de Barcelona. 2005. Member of examination panel.
5. Dr. Anke Leroux: *Optimal Conservation under Ecological Risk and Uncertainty: A Dynamic Analysis*. Land Economy Department. University of Cambridge. 2005. Internal examiner.
6. Dr. Mauricio Villena: *Economics, Institutions and the Environment: An Evolutionary Approach to the Problem of Co-operation in Local Commons*. University of Cambridge. 2004. Internal examiner.
7. Dr. Federica Ravera. *Which future for semi-arid socioecological systems? Anticipatory learning for climate change adaptation in Northern Nicaragua*. Universidad Autonoma de Barcelona. 2011.
8. Dr. Maria Jesus Beltran: *Del metabolismo social al metabolismo hídrico: conceptos y aplicaciones*. Universidad Pablo de Olavide. 2012.

INVITED TALKS AND KEYNOTES

1. "Equity matters in Payments for Ecosystem Services". Keynote at the international workshop on "Payments for environmental services: new panacea or auxiliary for environmental management? PESMIX workshop. CIRAD. Montpellier, France. 11-13 June 2014.

2. "Socio-economic dimensions of biodiversity conservation initiatives in agricultural landscapes" Keynote at the international workshop on "Biodiversity and resilience of agroecosystems". CIRAD, Montpellier, France March 7-8, 2013.
3. "What is the value of soil biodiversity?" Keynote. 4th Conference of Biodiversity of Spain. February 6-8, 2013.
4. Cost-benefit analysis and the provision of ecosystem services: A justice critique. Just ecosystem Management. Ecosystem Services and Poverty Alleviation Programme, UK. Norwich 29-30 Oct, 2012.
5. Cost-benefit analysis and the provision of ecosystem services: A justice critique. Social justice and Ecosystem Services. Ecosystem Services and Poverty Alleviation Programme, UK. London 1 Nov 2012.
6. Social ecological aspects of in situ agrobiodiversity for adaptation and resilience: institutions and policies. Consultative Group of International Agricultural Research (CGIAR). Montpellier, France. July 24, 2012
7. 'The ecosystem service approach to inform the economics of climate change research: Recent developments'. UPV-EHU summer school. Donostia July 11, 2012.
8. "Economía y Medio Ambiente" Instituto Geográfico Vasco INGEBA. Donostia-San Sebastian. May 2, 2012.
9. "External Rewards for Conservation Affect Collective Action? Experimental Insights from the Andes". Institut de Ciencia i tecnologia ambientals. Universitat Autònoma Barcelona. Barcelona. April 16, 2012.
10. "External rewards for biodiversity conservation in agricultural landscapes and collective action: friends or foes?" School of International Development. University of East Anglia, Norwich. 26 March, 2012.
11. "Agrobiodiversity in support of sustainable agricultural intensification and livelihood resilience". Panel member. 2nd Resilience 2011 Conference. Tempe, Arizona, USA. March 2011.
12. "The economy of soil biodiversity and ecosystem services: Valuation, Resilience and Policy Instruments" Plenary talk, EcoFINDERS - EU Framework Programme 7 project workshop. Dijon, France. February, 2011.
13. "Valuation and justice in ecosystem management". Ecosystem Services and Poverty Alleviation (ESPA). University of East Anglia, Norwich, UK. January 2011.
14. "Payment for Ecosystem Services: Towards and implementation strategy". International Academy of Nature Conservation Isle of Vilm, Germany. December 2010.
15. "Agrobiodiversity, resilience and economics" Diversitas International. Climate Change Agriculture and Food Security Program of the Consultative Group of International Agricultural Research (CGIAR). San Cristobal de las Casas, Chiapas, Mexico. November, 2010.
16. "In Situ Crop Genetic Resources (CGR) Conservation Goal Identification". UN-Food and Agriculture Organization (FAO), Rome, Italy. November, 2010.
17. "The value of ecosystem services in agriculture in the UK". UK National Ecosystem Assessment workshop. London, UK. September, 2010.
18. "Biodiversity and Ecosystems Services Framework for Cost Benefit Analysis: Recommendations from TEEB". European Commission. Environment Directorate General Environment: Brussels, Belgium. June 2010.

19. "Forest-agriculture frontiers: impacts of land-use transitions on livelihoods and environment in the humid tropics". Global Land Use Program (GLP). Vientiane. Lao People Democratic Republic. November, 2009.
20. "Economic instruments for agrobiodiversity conservation". Bioversity International Workshop. Puno, Peru. September 2009.
21. "The Economics of Ecosystem Services and Biodiversity, TEEB". European Joint Research Centre, Ispra, Italy. July 2009.
22. "Payment for Agrobiodiversity Conservation Services". M.S. Swaminathan Research Foundation. Chennai, India. May 2009.
23. "Relationship on Ecosystem Services and Biodiversity: Implications for Economic Analysis". European Commission, Natural and Environmental Research Council, Centre for Population Biology, UK. April, 2009.
24. "Sub-global Assessment of *Satoyama* and *Satoumi* in Japan". United Nations University Institute of Advanced Studies (UNU-IAS). Kyoto, Japan. March, 2009.
25. "Payment for Ecosystem Services: can we think of PES for agriculture?" Bioversity International. Rome, Italy. February 2009.
26. "The Foundations of the Economics of Ecosystems and Biodiversity". University ZEF, Bonn. January, 2009.
27. "Investing in agrobiodiversity for sustainable livelihoods". Divesitas International. San Cristobal de las Casas (Mexico). November, 2008.
28. "The economics of agrobiodiversity loss under climate change". University California Davis, Davis, USA. April. 2008.
29. Scale effects and impacts of organic farming on farm resource use and economic performance. RELU, UK. March, 2008.
30. "Nippon Science Assessment Panel (NSAP) Meeting for the Sub-global Assessment of Satoyama and Satoumi in Japan". United Nations University, Yokohama. Japan. November, 2007.
31. "Modelling agricultural liberalization and poverty in Mexico". Department of Economics, University of the Basque Country. Bilbao, Spain. May, 2007
32. "The economics programme of Bioversity International", Rome, Italy. January 2007
33. Modelling shifting cultivation and livelihood diversification. DepT, University College London, UK. 2006.
34. Economics of biodiversity loss across agricultural intensification gradients. International Centre for Agroforestry Research Workshop. Sumatra, Indonesia. 2006.
35. "The sustainable livelihoods framework: A new consensus for a policy research agenda?" Cambridge Environment Initiative Workshop, University of Cambridge, UK. 2006.
36. "Integrated analysis of scale effects in alternative agricultural systems". Sheepdrove, UK. May 2006.

37. "The economics of slash-and-burn and poverty in Latin America". Universidad Pública de Navarra, UPNA. Facultad de Economía. Pamplona, Spain. 2005
38. "The link between rural poverty and off-farm labour diversification by small peasant households in Mexico". Universidad Autónoma de Barcelona. Barcelona, Spain. 2005.
39. "Greening Agriculture through agrobiodiversity" Diversitas International. Paris, France, February 2005.
40. "Greening Agriculture: Biodiversity conservation during agricultural transitions towards Sustainability", Diversitas International. Alexandria, Egypt. May 2004.
41. "Land degradation and development in Mexico". Universidad Autónoma de Barcelona. Spain. 2004.
42. "An econometric model of off-farm labour and land degradation in Mexico", School of Economic Studies, University of Manchester, UK. 2003.
43. "Revisiting the ecological-economic efficiency of shifting cultivation systems in the tropics", Centre for Comparative Perspectives, Yale University, Yale, USA. 2001.
44. "Ecological-economic modelling of slash-and-burn agriculture". Seminar. Centre for Development Research (ZEF), University of Bonn. Bonn, Germany. 2001.
45. "The economics of deforestation and soil degradation in Mexico". Inter-American Institute for Global Change. Mérida, Mexico. 2000.
46. "Biodiversity conservation and economic development. Some thoughts and bolts". 1st Biodiversity and Economic Development Symposium. Merida, Mexico. 1998.
47. Peasant economics and soil degradation in developing countries. Basque University summer school, Pamplona, Spain. 1998.

CONFERENCES

1. "Disentangling landusers' perspectives for the adoption of silvopastoral practices: lessons for targeting conservation payments in the tropical forest frontier. International Society for Ecological Economics. (ISEE). Rio de Janeiro June 2012. (with Aiora Zabala and Luis Garcia Barrios).
2. "Postulates of urban resilient sustainability transitions: a cross-disciplinary approach". international society for ecological economics. (ISEE). Rio de janeiro june 2012. (with Marta Olazabal).
3. "The role of PES for agrobiodiversity conservation: Some lessons from the Andes". 2nd International Resilience conference. Phoenix, Arizona, USA. March 2011 (with U. Narloch and A. Drucker).
4. Social Preferences in Conservation under External Rewards and the Role of Group Heterogeneity and Market Orientation: Experimental Evidence from the Andes. Sustaining Commons: Sustaining Our Future, the Thirteenth Biennial Conference of the International Association for the Study of the Commons. Hyderabad, India. January 10-14 (with U. Narloch and A. Drucker). <http://dlc.dlib.indiana.edu/dlc/handle/10535/7372>
5. "Agrobiodiversity in support of sustainable agricultural intensification and livelihood resilience: Exploring the potential for innovation across eight benchmark sites" 2nd International Resilience conference. Phoenix, Arizona, USA. March 2011 (with Pulleman, M. Jackson, L., Brussaard, L., Bawa, K., Brown, G., Cardoso, I., de Ruiter, P., Garcia-Barrios, L., Hollander, A., Lavelle, P., Ouedraogo, E., Pascual, P., Setty, S., van Noordwijk, M.)

6. "Technical efficiency of multi-output farming: biodiversity, yield and profit". 5th ORC Conference. January 2011. UK. (with Schmutz, U., B. Pearce, and D. Rigby)
7. "Pro-social behaviour under external rewards: Experimental evidence from farming communities in Peru and Bolivia". 11th conference of the International Society of Ecological Economics (ISEE) Oldenburg/Bremen, Germany, August 2010. (with U. Narloch and A. Drucker).
8. "The interactions of collective action, property rights and payments for agrobiodiversity conservation services: Illustrating institutional dynamics in the Peruvian and Bolivian Andes". 11th conference of the International Society of Ecological Economics (ISEE) Oldenburg/Bremen, Germany, August 2010. (with U. Narloch and A. Drucker).
9. The economics of agro-biodiversity conservation in developing countries: some notes and bolts 7th International conference developments in economic theory and policy. Faculty of Economics, University of the Basque Country UPV-EHU). Bilbao, July 2010. (with U. Narloch and A. Drucker).
10. Evolution of Land Conservation Policy 14th Conference of the International Consortium on Agricultural Biotechnology Research (ICABR). Ravello, Italy, June 2010 (with D. Colman and I. Hodge).
11. "Payment for agrobiodiversity conservation services: Creating incentive mechanisms for the sustained on-farm utilization of plant and animal genetic resources", 11th BIOECON meeting, Venice. September 2009 (with U. Narloch and A. Drucker)
12. "Channeling Consumption Preferences for Co-existence of Landrace and Modern Varieties In-Situ" International Association of Agricultural Economics. Beijing, China, August 2009. (with V. Krishna and D. Zilberman)
13. "Agrobiodiversity and livelihood diversification under climatic risk: lessons from eastern Ethiopia". 17th Annual conference of the European Association of Environmental Economists. Amsterdam, July 2009 (with U. Narloch)
14. "Potentials of green consumerism for landrace conservation: evidence from eggplant production sector of India" 10th BIOECON meeting, Sydney Sussex College, Cambridge. September 2008 (with V. Krishna and D. Zilberman)
15. "Revisiting the relationship between equity and efficiency in PES" International Association of Ecological Economics. Nairobi Kenya. August, 2008 (with R. Muradian, L.C. Rodríguez).
16. "Revisiting the role of social capital in managing the commons: a social-ecological critique" International Association for the Study of the Commons. Cheltenham, UK. July 2008. (with H. Ishihara).
17. "An empirical analysis of ex-situ conservation of microbial diversity". 9th BIOECON meeting, Kings College, Cambridge. September 2007. (with P. Stromberg and T. Dedeurwaerdere)
18. "Analysing the Impact of Inspections and Enforcement on Industrial Water Pollution in Laguna de Bay, Philippines". European Association of Environmental and Resource Economists. Thessaloniki, Greece.. June 2007. (with Lourdes Montenegro and Maria Teresa Ruiz-Tagle)
19. "Risk and latency of arsenicosis from groundwater contamination in Bangladesh" International Association of Ecological Economics. Delhi, India. December 2006. (with D. Maddison, E. Field and Z. Choudury)
20. "Biodiversity and Productivity in Intensive Arable Systems. World Conference of the Association of Environmental and Resource Economists, Kyoto, Japan. June 2006. (with N.P. Russell and A. Omer)
21. "Agrobiodiversity and local institutions: A case study of Ucayali, Peru". International Congress on Ecosystem Services in the Neotropics: State of the art and future challenges. Valdivia, Chile. November 2006 (with P. Stromberg).

22. "Biodiversidad agraria e instituciones a nivel local". VII Congreso Latino-Americano de Sociología Rural, Quito, Ecuador ALASRU (Asociación Latinoamericana de Sociología Rural). November 2006 (with P. Stromberg).
23. "Optimal Productivity Adjustment and Biodiversity Conservation in Intensive Agriculture". June 2006. Paris, France, March 2006. (with N.P. Russell and A. Omer)
24. "Biodiversity and Productivity in Intensive Arable Systems. BIOECON meeting. Kings College, Cambridge, June 2006. (with N.P. Russell and A. Omer).
25. "The economics of biodiversity in agricultural landscapes". DIVERSITAS First Open Science Conference. Oaxaca, Mexico. November 2005. (with C. Perrings)
26. "Trading microbes: the Public-Private Borderland" DIVERSITAS First Open Science Conference. Oaxaca, Mexico, November 2005.
27. "The Economics of Biodiversity Conservation in Agricultural Transition" European Association of Agricultural Economists. Copenhagen, Denmark, August 2005. (with N.P. Russell and A. Omer).
28. "The stake of contract uncertainty in bioprospecting" BIOECON meeting. Kings College, Cambridge. September 2005. (with P. Stromberg)
29. "Bioprospecting contracts under legal and institutional uncertainty" European Society of Ecological Economics. Lisbon, Portugal, June 2005. (with P. Stromberg)
30. "Evaluating the validity of the Benefit Transfer approach: The case of manatee protection in Florida and Puerto Rico" " European Society of Ecological Economics. Lisbon, Portugal. June 2005 (with G. García and A. Kontoleon).
31. "Biodiversity prospecting in tropical India: Estimating an optimal compensation for indigenous knowledge holders" International Society of Ecological Economics (ISEE), Montreal, Canada. July 2004. (with V. Krishna)
32. "Peasant communities' cultural domain and the local use-value of plant resources: the case of Opuntia scrublands in Ayacucho, Peru" International Society of Ecological Economics (ISEE), Montreal, Canada. July 2004 (with L.C. Rodríguez).
33. "Land clearance and social capital in mountain agro eco system: the case of Opuntia scrublands in Ayacucho, Peru" International Society of Ecological Economics (ISEE), Montreal, Canada. July 2004. (with L.C. Rodríguez)
34. "The Porter Hypothesis – An exemplar for a new age of environmentalism" International Society of Ecological Economics (ISEE), Montreal, Canada. July 2004. (with W. Konchak)
35. "Biodiversity prospecting in tropical India: Estimating an optimal compensation for indigenous knowledge holders" BIOECON meeting, Kings College, Cambridge, September 2004. (with V. Krishna)
36. "Modelling land degradation in low-input agriculture: The 'Population Pressure Hypothesis' revisited". International Association of Agricultural Economists (IAAE). Durban, South Africa. August 2003 (with E.B. Barbier)
37. "Does Loss of Biodiversity Compromise Productivity in Intensive Agriculture?" International Association of Agricultural Economists (IAAE). Durban, South Africa. August 2003 (with N. Russell and A. Omer)
38. "Agricultural Intensification and Biodiversity Loss: Is There an Agri-EKC?" European Association of Environmental and Resource Economists (EAERE), Bilbao, Basque Country. July 2003. (with N. Russell and A. Omer)

39. "Integrated Policy Options for Land Conservation and Rural Poverty Alleviation: A System Dynamics Approach". European Association of Environmental and Resource Economists (EAERE), Bilbao, Basque Country. July 2003. (with R. Martínez-Espinera)
40. "Does Loss of Biodiversity Compromise Productivity in Intensive Agriculture?" Agricultural Economics Society. University of Plymouth, UK. April 2003 (with N. Russell and A. Omer)
41. "Population Pressure and labour diversification decisions in slash-and-burn agriculture. A system Dynamics Approach to Analyse the Effects on Forest Biomass and Soil Fertility" World Conference on Natural Resource Modeling (NRM). Lesvos, Greece. June 2002. (with R. Martínez-Espinera)
42. "Soil Degradation and Technical Efficiency in Shifting Cultivation: Applying Stochastic Production Frontier to agriculture in Yucatan (Mexico)" Agricultural Economics Society Conference, Harper Adams, UK. September 2001.
43. "Determinants of labour supply by shifting cultivator households: the effect of land quality and poverty". European Association of Environmental and Resource Economists (EAERE), Southampton, UK June 2001. (with E.B. Barbier)
44. "Private property versus the ejido in Yucatan. Technical efficiency effects in traditional slash-and-burn system". European Society of Ecological Economics (ISEE), Sousse, Tunisia. July 2000.
45. "A model of optimal labour and soil use with shifting cultivation" European Association of Environmental and Resource Economists (EAERE), Crete, Greece. June 2000 (with Edward Barbier)

DISSEMINATION IN THE MEDIA

Date	Media	Format	Program	Title
02/06/2011	N	I	Diario de Alava	Lecciones contra el cambio climático
1/21/2012	TV	I	Teknopolis	Reflexiones sobre la Economía del Medio Ambiente
6/21/2012	DM	N	Europa Press	La III edición de Klimagune Workshop
6/21/2012	DM	N	La Vanguardia	El Basque Center For Climate Change llama a acelerar las políticas globales en favor del desarrollo sostenible
6/21/2012	DM	N	Deia	Expertos avisan de que el cambio climático ya está aquí y se acelera
6/22/2012	DM	N	Deia	Rio+20: Reflexiones sobre la economía verde ante el cambio climático
10/1/2012	DM	I	Argia	Desazkunde material eta energetikoa behar da klima aldagetari aurre egiteko
1/16/2013	N	N	Argia	Klima aldagetaren Dohako gailurra
1/25/2013	TV	I	IUCN	Ecosystem Services and biodiversity - meanings and visions
2/14/2013	Press	N	El Mundo	El cambio climático está aquí y se está acelerando
4/18/2013	DM	N	SciDEVNET	Interview on an influential report by the Montpellier panel on sustainable agricultural intensification in Africa
4/22/2013	R	I	Radio Euskadi	¿Cómo evitar la fuga de cerebros en la actual situación económica?
06/09/2013	TV	I	Goiena	Economía verdea (in basque)
6/25/2013	DM	I	Elhuyar	Ingurumena babesteari dagokionez, pizgarri boluntarioek aukerak eta arriskuak dakartzate berekin
7/5/2013	DM	I		New publication in SCIENCE reveals the true cost of farming in the context of climate change
7/10/2013	DM	N		PO NEKAZARITZAREN BENETAKO KOSTUA KLIMA ALDAKETAREN TESTUINGURUAN
7/10/2013	DM	N		EL COSTE REAL DE LA AGRICULTURA EN EL CONTEXTO DEL CAMBIO CLIMÁTICO

7/12/2013	R	I	EITB	Unai Pascual entrevistado en La Mecanica del Caracol
7/17/2013	R	I	ONDA CERO	Gipuzkoa en la onda con Eduardo Yañez
7/27/2013	R	I	ONDA VASCA	Entrevista Unai Pascual con motivo de la publicación del artículo Science
7/28/2013	TV	I	EITB	Entrevista Unai Pascual con motivo de la publicación del artículo Science
7/28/2013	TV	I	EITB	Entrevista Unai Pascual con motivo de la publicación del artículo Science
7/30/2013	R	I	Euskadi Irratia	Europar Batasuneko nekazaritza politika aldatu beharko litzateke
1/8/2013	PM	I	EHNE	Ardatza Aldizkaria
17/08/2013	N	I	Gara	Entrevista Unai Pascual con motivo de la publicación del artículo Science
30/07/2014	R	I	Euskadi Irratia	Lurzoru Legea (soils services): BC3 summer school 2014

Note: Media: TV: Television. R: Radio; N: Newspaper article; PM: Press Magazine; DM: Digital media; Format: I: Interview; N: News.