

UNAI PASCUAL

Ikerbasque Research Professor.

Basque Centre for Climate Change (BC3). Bilbao.

Tel: +34 944 014 690 ext. 129. unai.pascual@bc3research.org**1. PUBLIC PROFILE**URL BC3: www.bc3research.org/en/unai_pascual.htmlURL Ikerbasque: www.ikerbasque.net/unai.pascual

ResearcherID: B-4766-2012

ORCID: [0000-0002-5696-236X](http://orcid.org/0000-0002-5696-236X)Google Scholar: <http://scholar.google.es/citations?user=Dvtqo7QAAAAJ&hl=en>Web of Science: www.researcherid.com/rid/B-4766-2012ResearchGate: www.researchgate.net/profile/Unai_Pascual?ev=hdr_xprf**2. AREAS OF SCIENTIFIC INTEREST**

Biodiversity and ecosystem services, Environment and Development Economics, Global Environmental Change and Sustainability, Environmental Governance and Policy, Climate change

3. CURRENT POSITIONS

2011- Ikerbasque Research Professor, Ikerbasque Science Foundation

2018- Associated Researcher, Centre for Development and Environment University of Bern, Switzerland

4. PAST ACADEMIC/RESEARCH POSITIONS2013-2017 Visiting Fellow *University of Cambridge. Department of Land Economy, Cambridge, UK*

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).

5. 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. Pezey.
- 1991-1996 BA in Economics (International Trade and Development), Faculty of Economics. University of the Basque Country, UPV-EHU. Bilbao (Spain).

6. HONOURS, PRICES & AWARDS

- 2021 Highly cited researcher 2021" by Clarivate Analytics (top 1% cited in Web of Science, across research fields).
<https://hcr.clarivate.com>
- 2019 Highly cited researchers 2019 by Stanford-Elsevier standardised list. Top 14%.
<https://journals.plos.org/plosbiology/article?id=10.1371/journal.pbio.3000918>
- 2019 Highly cited researcher 2019" by Clarivate Analytics (top 1% cited in Web of Science, across research fields).
<https://hcr.clarivate.com>
- 2018 "Highly cited researcher 2018" by Clarivate Analytics (top 1% cited in Web of Science, across research fields).
<https://hcr.clarivate.com>
- 2018-22 Co-Chair of the Values Assessment of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)
- 2018-21 Member of the Advisory Board of BiodivERsA, the network of national and regional funding organizations for pan-European research on biodiversity and ecosystem services.
- 2018-20 Member of the Scientific Steering Committee of the Global Land Program (GLP), Future Earth.
Invited member of the Transformative Adaptation Research Alliance (TARA) network
- 2017- Co-Chair of the development Team of the Natural Assets Knowledge-Action Network of Future Earth
- 2015-2018 Member of the Multidisciplinary Expert Panel of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services, IPBES.
<http://www.ipbes.net/about-ipbes/current-mepmembers.html>
- 2017 Visiting scholar at the Department of International Environment and Development Studies, Norwegian University of Life Sciences (June-July 2017)
- 2015- Co-Chair of the Valuation Expert Group of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services, IPBES.
- 2015 Advisor to the Comisión nacional para el Conocimiento y Uso de la Biodiversidad (CONABIO). Mexican Government. Mexico City.
- 2013- Member of the United Nations' Sustainable Development Solutions Network's (SDSN) — Forests, Oceans, Biodiversity and Ecosystem Services (FOBES)
- 2013-2018 Member of the Scientific Steering Committee of the ecoSERVICES core programme of Future Earth.
- 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., Paris, France.
- 2003-2013 Senior College Fellow. Homerton College, University of Cambridge.
- 2010-11 Research Fellow Basque Centre for Climate Change (BC3), Bilbao. Oct 2010 – Sept 2011
- 2006-2012 Twice elected to the Board of the European Society of Ecological Economics (ESEE)
- 2011 Visiting Professor. University of California Davis (UCD). Dept. Land, Water and Air. California, USA. March 2011.

- 2009-10 Coordinating Lead Author (CLA) 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 (CLA) 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,
- 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.

7. PUBLICATION RECORD SUMMARY

Times Cited: Google Scholar (> 26,000)

H-index: Google Scholar (64); H-10 index: Google Scholar (140)

8. BOOKS, MONOGRAPHS & JOURNAL SPECIAL ISSUES

1. Balvanera, P., Pascual, U., Christi, M., Baptiste. B. (2022) IPBES. *Methodological assessment of the diverse values and valuation of nature of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services.* <https://zenodo.org/record/6522522> doi:10.5281/ZENODO.6522522.
2. Pascual, U., Chan, K.M.A., Gould, R. 2018. Relational Values. Current Opinion in Environmental Sustainability. Pp:141. Elsevier. ISBN: 1877-3435.
3. Huang, Y., and Pascual, U. 2018. Aid effectiveness and Environmental Sustainability. 446pp. ISBN. Palgrave MacMillan Singapore. 978-981-10-5378-8 & ISBN 978-981-10-5379-5 (eBook) DOI: 10.1007/978-981-10-5379-5
4. Ravera, F., I. Iniesta-Arandia, B. Martín-López, U. Pascual, and P. Bose (ed.). 2016. Gender perspectives in resilience, vulnerability and adaptation to global environmental change. Special Issue. AMBIO, 45 (Supplement 3). Springer.ISSN: 0044-7447 (Print) 1654-7209 ([Online](#)).
5. 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.
6. Pascual, U., Corbera, E., Muradian, R., Kosoy, N. (2010). Reconciling theory and practice: An alternative conceptual framework for understanding payments for environmental services. Special Issue monograph in *Ecological Economics.* Volume 69: 1202-1302. Elsevier. The Netherlands.
7. Pascual, U., Shah, A., and J. Bandyopadhyay (2009): 'Water, Agriculture and Sustainable Well-being'. Oxford University Press. 360 pp. ISBN: 019806175-7.
8. Kontoleon, A., Pascual, U. and M. Smale (2009): 'Agrobiodiversity Conservation and Economic Development'. Routledge, Abingdon, UK. 456pp. ISBN: 978-0-415-46505-2
9. Kontoleon, A., Pascual, U. and T. Swanson (2007): 'Biodiversity Economics: Principles, Methods and Applications'. Cambridge University Press, Cambridge, UK. 692pp. ISBN-13: 9780521866835.
10. Jackson, L. E., Pascual, U., Brussaard, L., de Ruiter, P., & Bawa, K. S. (2007). Biodiversity in Agricultural Landscapes: "Investing without Losing Interest" *Agriculture, Ecosystems & Environment.* 121(3)

11. 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]

9. PEER REVIEWED JOURNAL ARTICLES

PhD students and postdocs under my supervision are underlined; *UP as corresponding author or research team leader.

1. Pascual et al. 2023. Diverse values of nature for sustainability. *Nature*.
2. Raymond CM, Anderson CB, Athayde S, Vatn A, Amin A, Arias-Arevalo P, Christie M, Cantu-Fernandez M, Gould RK, Himes A, Kenter JO, Lenzi D, Muraca B, Muali R, O'Connor S, Pascual U, Sachdeva S, Samakov A, Zent E (2023). An inclusive values typology for navigating transformations toward a just and sustainable future. *Current Opinion in Environmental Sustainability*. In press.
3. Neidig, J., Anguelovski, I., Lliso, B., Pascual*, U. (2023). Pluralizing environmental values for urban planning: How to uncover the diversity of imaginaries about socio-natures from Vitoria-Gasteiz (Basque Country, Spain). *People & Nature*. DOI: 10.1002/pan3.10506 ([link](#)).
4. van Noordwijk, M. et al 2023 Five levels of internalizing environmental externalities: decision-making based on instrumental and relational values of nature. *Current Opinion in Environmental Sustainability*. DOI: 10.1016/j.cosust.2023.101299 ([link](#)).
5. Pörtner, H.-O., Scholes, R. J., A. Arneth, D.K.A. Barnes, M.T. Burrows, S.E. Diamond, C.M. Duarte, W. Kiessling, P. Leadley, S. Managi, P. McElwee, G. Midgley, H.T. Ngo, D. Obura, U. Pascual, M. Sankaran, Y.J. Shin, A.L. Val. Overcoming the coupled climate and biodiversity crises and their societal impacts. *Science*. 380, 6642. eabl4881. DOI: 10.1126/science.abl4881
6. Carmenta, R., Barlow, J., Lima, M.G.B., Berenguer, E., Choiruzzad, S., Estrada-Carmona, N., França, F., Kallis, G., Killick, E., Lees, A. and Martin, A., 2023. Connected Conservation: Rethinking conservation for a telecoupled world. *Biological Conservation*, 282, p.110047. DOI: 10.1016/j.biocon.2023.110047
7. Droz, L., Bruchnar, M., Pascual, U. (2023). Multilingualism for pluralising knowledge and decision making about people and nature relationships. *People & Nature*. DOI: doi.org/10.1002/pan3.10468 ([link](#)).
8. Mathys, S., van Vianen, J., Rowland, D., Narulita, S., Palomo, I., Pascual, U., Sutherland, I.J., Ahammad, R., Sunderland, T., 2023. Participatory mapping of ecosystem services across a gradient of agricultural intensification in West Kalimantan, Indonesia. *Ecosystems and People*. In press.
9. Foudi, S. et al., 2023. The impact of multipurpose dams on the values of nature's contributions to people under a water-energy-food nexus framing. *Ecological Economics*. 206. DOI: 10.1016/j.ecolecon.2023.107758
10. Goodwin, S., Olazabal, M., Castro, A., Pascual*, U. (2023). Global mapping of urban nature-based solutions for climate change adaptation. *Nature Sustainability*. DOI: 10.1038/s41893-022-01036-x
11. Chaplin-Kramer, R., Neugarten, R.A., Sharp, R., Collins, P.M., Polasky, S., ... Pascual, U. et al. (2022). Mapping the planet's critical natural assets. *Nature Ecology & Evolution*. ([link](#))
12. Neidig, J., Angelovski, I., Albaina, A., Pascual*, U. (2022) "We are the Green Capital": Navigating through the political and sustainability fix narratives of urban greening. *CITIES*. Sept 2022. DOI: 10.1016/j.cities.2022.103999 ([link](#))
13. Aznárez, C., Svenning, J.C., Taveira, G., Baró, F., Pascual*, U. (2022). Wildness and habitat quality drive spatial patterns of urban biodiversity. *Journal of Landscape and Urban Planning*. 228. DOI: 10.1016/j.landurbplan.2022.104570 ([link](#)).
14. Zabala, A., Garcia-Barrios, L., Pascual, U. (2022). From participation to commitment in silvopastoral programmes: insights from Chiapas, Mexico. *Ecological Economics*, 200. DOI: 10.1016/j.ecolecon.2022.107544
15. Pascual*, U. (2022). Climate-smart conservation: An opportunity for transformative change in the mainstream conservation movement. *One Earth*. 5(6): 609-611. DOI: 10.1016/j.oneear.2022.05.015
16. Pascual*, U., McElwee, P.D., Diamond, S.E., Ngo, H.T., Bai, X., Cheung, W.W.L., Lim, M., Steiner, N., Agard, J., Donatti, C. I., Duarte, C.M., Leemans, R., Managi, S., Pires, A. P. F., Reyes-García, V., Trisos, C., Scholes, R.J., Pörtner, H.-O. (2022). Governing for transformative change across the biodiversity-climate-society nexus. *BioScience*. 72. DOI: 10.1093/biosci/biac031.

17. Managi, S., Islam, M., Saito, O., Stenseke, M., Dziba, L., Lavorel, S., Pascual, U., Hashimoto, S., (2022) Valuation of nature and nature's contributions to people. 17:701-705. *Sustainability Science*. DOI: 10.1007/s11625-022-01140-z ([link](#))
18. Lliso, B., Lenzi, D., Muraca, B., Chan, K., Pascual*, U. 2022. Nature's disvalues: what are they and why do they matter?. *Current Opinion in Environmental Sustainability*. 56. DOI: 10.1016/j.cosust.2022.101173
19. Meyfroidt, P., de Bremond, Ryan, C.M. ,... Pascual et al. (2022) 'Ten Facts about Land Systems for Sustainability'. *Proceedings of the National Academy of Sciences* 119, no. 7. DOI: 10.1073/pnas.2109217118 ([link](#)).
20. Sumaila, R.U., Skerrit, D., Schunbauer, A., Villasante, S., Cisneros-Montemayor, A.M., Sinan, H., Burnside, D., plus 289 authors (2021). WTO must ban harmful fisheries subsidies. *Science*, 374:544. DOI: 10.1126/science.abm1680
21. Lliso, B., Arias-Arévalo, P., Maca-Millán, S., Engel, S., & Pascual, U. (2022). Motivational crowding effects in payments for ecosystem services: exploring the role of instrumental and relational values. *People and Nature*, 4(2), 312-329. DOI: 10.1002/pan3.10280 ([link](#))
22. Soto-Navarro, CA., Harfoot, M, Hill, SLL., Campbell, J., Mora, F., Campos, C., Pretorius, C., Pascual, U., Kapos, V., Allison, H., Burgess ND. (2021). Towards a multidimensional biodiversity index for national application. *Nature Sustainability*. 2021. Aug 16:1-10. DOI: 10.1038/s41893-021-00753-z
23. Hill, R., Díaz, S., Pascual, U., Stenseke, M., Molnár, Z., Van Velden, J. (2021). Nature's contributions to people: Weaving plural perspectives. *One Earth*, 4(7), 910-915. DOI: 10.1016/j.oneear.2021.06.009 ([link](#))
24. Palomo, I., Locatelli, B., Otero, I., Colloff, M., Crouzat, E., Cuni-Sánchez, A., Gómez-Bagethun, E., González-García, A., Grêt-Regamey, A., Jimenez-Aceituno, A., Martín-López, B., Pascual, U., Zafra-Calvo, N., Bruley, E., Fischborn, M., Metz, R., Lavorel, S. (2021). Nature-based solutions for transformative change in social-ecological systems. *One Earth*. DOI: 10.1016/j.oneear.2021.04.013 ([link](#))
25. Inglis, D., Pascual*, U. (2021). On the links between language and nature's values. *People & Nature*. 5 (2), 326-342 DOI: 10.1002/pan3.10205 ([link](#))
26. Guibrunet, L., Gerritsen, P. R. W., Sierra-Huelsz, J. A., Flores-Díaz, A. C., García-Frapolli, E., García-Serrano, E., ... & Balvanera, P. (2021). Beyond participation: how to achieve the recognition of local communities' value-systems in conservation? Some insights from Mexico. *People & Nature*. 3(2): 528-541. DOI: 10.1002/pan3.10203 ([link](#))
27. Pascual*, U., Adams, W.A., Diaz, S., Lele, S., Mace, G., Turnhout, E. (2021). Biodiversity and the challenge of pluralism. *Nature Sustainability*. 4: 567-572. DOI: 10.1038/s41893-021-00694-7
28. Albizua, A., Bennett, E., Larocque, G., Krause, R., Pascual, U. (2021) Social networks influence farming practices and agrarian sustainability. *PLOS ONE* 16(1): e0244619. DOI: 10.1371/journal.pone.0244619 ([link](#))
29. Lliso, B., Pascual, U, Engel, S. 2021. On the role of social equity in payments for ecosystem services in Latin America: A practitioner perspective. *Ecological Economics*. 182. DOI: 10.1016/j.ecolecon.2020.106928
30. Nordhagen, S., Pascual, U., Drucker, A., (2021). Gendered differences in crop diversity choices: A case study from Papua New Guinea. *World Development*. 137. DOI: 10.1016/j.worlddev.2020.105134 ([link](#))
31. Zafra-Calvo, N., Balvanera, P., Pascual*, U., Merçon, J., Martín-López, B., van Noordwijk, M., Mwampamba, T.H., Lele, S., et al., (2020). Plural valuation of nature for equity and sustainability: Insights from the Global South. *Global Environmental Change*, 63: p.102115. DOI: [10.1016/j.gloenvcha.2020.102115](#)
32. Albizua, A., Bennett, E., Pascual, U., Laroque, G. (2020). The role of the social network structure on the spread of intensive agriculture: An example from Navarre, Spain. *Regional Environmental Change*. 20. DOI: 10.1007/s10113-020-01676-9
33. Wunder, S., Brouwer, R., Engel, S., Ezzine de Blas, D., Muradian, R., Pascual, U., Pinto, R. (2020). Reply to G. Wells et al: In defence of simplified PES project designs. *Nature Sustainability*. 3: 428–429. DOI: 10.1038/s41893-020-0545-2
34. Thondhlana, G., Redpath, S.M., Vedeld, P.O., van Eden, L., Pascual, U., Sherren, K. and Murata, C., 2020. Non-material costs of wildlife conservation to local people and implications for conservation interventions. *Biological Conservation*. 246. DOI: 10.1016/j.biocon.2020.108578
35. Colloff, M.J., Wise, R.S., Palomo, I., Lavorel, S., Pascual, U. (2020) Nature's contribution to adaptation: insights from examples of the transformation of social-ecological systems. *Ecosystems and People*. 16(1): 137-150. DOI: 10.1080/26395916.2020.1754919.
36. Lliso, B., Mariel, P., Pascual, U., Engel, S. (2020). Increasing the credibility and salience of valuation through deliberation: Lessons from the Global South. *Global Environmental Change*, 62. DOI: 10.1016/j.gloenvcha.2020.102065

37. Boillat S, Martin A, Adams T, Daniel D, Llopis J, Zepharovich E, Oberlack C, Sonderegger G, Bottazzi P, Corbera E, Ifejika-Speranza C., Pascual, U. (2020). Why telecoupling research needs to account for environmental justice. *Journal of Land Use Science*. 1-10. DOI: 10.1080/1747423X.2020.1737257.
38. Jacobs, S., Zafra-Calvo, ... Pascual, U., Balvanera, P. (2020). Use your power for good: plural valuation of nature – the Oaxaca statement. *Global Sustainability*, 3, e8, 1-7. DOI: 10.1017/sus.2020.2 ([link](#))
39. Schröter, M. Başak, E., Christie, M., Church, A., Keune, H., Osipova, E., Oteros-Rozas, E., Sievers-Glotzbach, S., van Oudenhoven, A. P. E., Balvanera, P., González, D., Jacobs, S., Molnár, Z., Pascual, P., Martín-López, B. (2020). Indicators for relational values of nature's contributions to good quality of life: the IPBES approach for Europe and Central Asia. *Ecosystems & People* 16(1). DOI: 10.1080/26395916.2019.1703039 ([link](#)).
40. Muradian, R., Pascual*, U (2020). Ecological Economics in the age of fear. *Ecological Economics*. 169: DOI: 10.1016/j.ecolecon.2019.106499
41. Jørgensen, L.V., Termansen, M., Pascual, U. (2020). Natural insurance as condition for market insurance: Climate change adaptation in agriculture. *Ecological Economics*, 169 DOI: 10.1016/j.ecolecon.2019.106489.
42. Lliso, B., Pascual, U., Engel, S., Marie, P. (2020), Payments for ecosystem services or collective stewardship of Mother Earth? Applying deliberative valuation in an indigenous community in Colombia, *Ecological Economics*. 169. DOI: 10.1016/j.ecolecon.2019.106499
43. Pascual, U. (2019). Why do we need a more pluralistic approach to valuing biodiversity? Pp126-130. In Wyborn, C., Kalas, N., & Rust, N. 'Seeds of change: provocations for a new research agenda', Biodiversity Revisited Symposium Conference Proceedings, 11-13 September 2019, Vienna, Austria. DOI:10.13140/RG.2.2.22170.59848/3
44. Kehoe, L., Reis, T., Virah-Sawmy, M., Balmford, A., Kuemmerle, T. +604 signatories (2019). Make EU trade with Brazil sustainable. *Science*. 364 (6438): 341 ([letter](#)). DOI: 10.1126/science.aaw8276
45. Palomo, I., Dujardin, Y., Midler, E., Robin, M., Sanz, MJ., Pascual, U. (2019). Modelling trade-offs across carbon sequestration, biodiversity conservation and equity in the distribution of global REDD+ funds. *Proceedings of the National Academy of Sciences*, 116(45), pp.22645-22650. DOI: 10.1073/pnas.1908683116 ([link](#))
46. Chaplin-Kramer, R., Sharp, R.P., Weil, C. Bennett, E.M., Pascual, U.,...Daily, G.C. (2019). Global Modelling of Nature's Contributions to People. *Science*. 366(6462), 255–258. DOI: 10.1126/science.aaw3372 ([link](#))
47. Ellis, E., Pascual, U., Mertz, O. 2019. Ecosystem services and nature's contribution to people: Negotiating diverse values and trade-offs in land systems. *Current Opinion in Environmental Sustainability*. 38:86-94. DOI: /10.1016/j.cosust.2019.05.001.
48. Nielsen, J., de Bremond, A., Chowdury, R.R., Friss, C., Metternich, G., Meyfroidt, P., Murnoe, D., Pascual, U., Thomson, A. 2019. Toward a normative land system science. *Current Opinion in Environmental Sustainability*. 38: 1-6. DOI: 10.1016/j.cosust.2019.02.003.
49. Albizua, A., Pascual, U., Corbera. E. 2019. Large scale irrigation impacts socio-cultural values of agroecosystems: An example from Navarre. *Ecological Economics*. 159 (2019): 354-361. DOI: 10.1016/j.ecolecon.2018.12.017
50. Albizua, A., Corbera, E., Pascual, U. 2019. Farmers' vulnerability to global change in Navarre, Spain: large-scale irrigation as maladaptation. *Regional Environmental Change*. 19 (4): 1147-1158. DOI: 10.1007/s10113-019-01462-2.
51. Zafra-Calvo, N., Garmendia, E., Pascual, U., Palomo, I., Gross-Camp, N., Brockington, D., ... & Burgess, N. D. (2019). Progress toward Equitably Managed Protected Areas in Aichi Target 11: A Global Survey. *BioScience*. biy143 doi:10.1093/biosci/biy143.
52. Ravera, F. Reyes-Garcia, V., Pascual, U., Drucker, A., Tarrason, D. Bellon., M. 2019. Gendered agrobiodiversity management and adaptation to climate change: differentiated strategies in two marginal rural areas of India. *Agriculture and Human Values*. 36(3): 455-474.
53. Chan, K.M.A, Gould, R., Pascual, U. 2018. Relational values: What are they and what's the fuss about? *Current Opinion in Environmental Sustainability*, 35:A1-A7. DOI: 10.1016/j.cosust.2018.11.003. ([open access](#))
54. Muradian, R., Pascual, U. 2018. A typology of elementary forms of human-nature relations: A contribution to the valuation debate. *Current Opinion in Environmental Sustainability*, 35:7-14. DOI: 10.1016/j.cosust.2018.10.014
55. Rasmussen, L., Coolsaet, B., Martin, A., Mertz, O., Pascual, U., Corbera, E., Dawson, N., Fisher, J., Franks, P., Ryan, C. (2018) Social-ecological outcomes of agricultural intensification. *Nature Sustainability* 1(6). 275-282. DOI: 10.1038/s41893-018-0070-8

56. Martinez-Harms, M.J., Gelcich , Krug, R.M, Maseyk, F.J.F, Moersberger, H., Rastogi, A., Wambugu, G., Krug, C.B., Spehn, E.M., Pascual, U. (2018). Framing natural assets for advancing sustainability research: translating different perspectives into actions. *Sustainability Science*. 13(6): 1519-1531. DOI: 10.1007/s11625-018-0599-5 ([open access](#))
57. Wunder, S., Brouwer, R., Engel, S., Ezzine de Blas, D., Muradian, R., Pascual, U., Pinto, R. (2018). From principles to practice in paying for nature's services. *Nature Sustainability* 1(3): 145–150. DOI: 10.1038/s41893-018-0036-x
58. Díaz, S., U. Pascual*, M. Stenseke, B. Martín-López, R.T. Watson,Z. Molnár,R. Hill, K.M.A. Chan,I.A. Baste,K.A. Brauman, S. Polasky, A. Church, M. Lonsdale, A. Larigauderie, P.W. Leadley, A.P.E. Van Oudenoven, F. Van Der Plaat, M. Schröter, S. Lavorel, Y. Aumeeruddy-Thomas, E. Bukvareva, K. Davies, S. Demissew, G. Erpul, P. Failler, C.A. Guerra, C.L. Hewitt, H. Keune, S. Lindley, Y. Shirayama (2018). Assessing nature's contributions to people. *Science*, 359(6373):270-272 ([link](#)). (co-leader & corresponding author). DOI: 10.1126/science.aap8826
59. Sidibé, Y., Foudi, S., Pascual, U., Termansen, M. (2018) Adaptation to climate change in rainfed agriculture in the global South: Soil biodiversity as natural insurance. *Ecological Economics*. 146: 588-596. DOI: 10.1016/j.ecolecon.2017.12.017.
60. Krishna, V., Kubitz, C., Pascual, U., Qaim, M. (2017). Land markets, property rights, and deforestation: Insights from Indonesia. *World Development*. 99: 335-349. DOI: 10.1016/j.worlddev.2017.05.018 ([link](#))
61. Pascual*, U., Palomo, I., Adams, W., Chan, K., Daw, T., Garmendia, E., Gómez-Baggethun, E., de Groot, R., Mace, G., Martín-López, B., Phelps, J. (2017). Off-stage ecosystem service burdens: A blind spot for global sustainability. *Environmental Research Letters*. 12, 075001, DOI: 10.1088/1748-9326/aa7392 ([link](#))
62. Balvanera, P., Pascual, U., Díaz, S., Dziba, L., Prieur-Richard, A-H, Subramanian, S.M. (2017). Urgent need to strengthen the international commitment to IPBES. *Nature Ecology & Evolution* 1: s41559-017. DOI: 10.1038/s41559-017-0197 ([link](#))
63. Zafra-Calvo N., Pascual U., Brockington D., Coolsaet B., Cortes-Vazquez J.A., Gross-Camp N., Palomo I., Burgess N.D. (2017). Towards a Practical Indicator System to Assess Equitable Conservation in Protected Areas. *Biological Conservation*. 211: 134-141. DOI: 10.1016/j.biocon.2017.05.014.
64. Ishihara, I. Pascual, U., Hodge, I. (2017). Dancing with storks: The role of power relations in payments for ecosystem services. *Ecological Economics*. 139: 45-54. DOI: 10.1016/j.ecolecon.2017.04.007
65. Nordhagen, S. Pascual, U., Drucker, A. (2017). Feeding the household, growing the business, or just showing off? Farmers' motivations for crop diversity choices in Papua New Guinea. *Ecological Economics*. 137: 99-109. DOI: 10.1016/j.ecolecon.2017.02.025
66. Zabala, A., Pascual, U., García-Barrios, L. (2017). Payments for pioneers? Revisiting the role of external rewards for sustainable innovation under heterogeneous motivations. *Ecological Economics*. 135: 234-245. DOI: 10.1016/j.ecolecon.2017.01.011
67. Pascual*, U., Balvanera, P., Díaz, S., Pataki, G., Roth, E., Stenseke, M., Watson, R.T., Dessane, B.E., Islar, M., Kelemen, E., Maris, V., Quaas, M., Subramanian, S.M., Wittmer, H., Adlan, A., Ahn, S., Y.S., Al-Hafedh, Amankwah, E., Asah, S.T., Berry, P., Bilgin A., Breslow, S.J., Bullock, C, Daniel, C., Daly-Hassen, H., Figueroa, E., Golden, C.D, Gómez-Baggethun, E., González-Jiménez, D., Houdet, J., Keune, H., Kumar, R., Ma, K., May, P.H., Mead, A., O'Farrell, P., Pandit, R., Pengue, W., Pichis-Madruga, R., Popa, F., Preston, S., Pacheco-Balanza, D., Saarikoski, H., Strassburg, B.B., van den Belt, M., Verma, M., Wickson, F., Yagi, N. (2017). The value of nature's contributions to people: the IPBES approach. *Current Opinion in Environmental Sustainability*, 26-27: 7-16. DOI: 10.1016/j.cosust.2016.12.006 ([link](#))
68. Narloch, U., Drucker, A., Pascual, U. (2017). What role for cooperation in conservation tenders? Paying farmer groups in the High Andes. *Land Use Policy*. 63: 659–671. doi:10.1016/j.landusepol.2015.09.017
69. Ravera, F., Iniesta-Arandia, I., Martín-López, B., Pascual, U., Bose, P. (2016) Gender perspectives in resilience, vulnerability and adaptation to global environmental change. *AMBIO*. 45(3): 235-247. DOI: 10.1007/s13280-0160842-1 ([link](#))
70. Ravera, F., Martín-López, Pascual U. and Drucker A. (2016). The diversity of gendered adaptation strategies to climate change of Indian farmers: A bottom-up feminist intersectional approach. *AMBIO*. 45(3): 335-351. DOI: 10.1007/s13280-016-0833-2 ([link](#))

71. Thompson-Hall, M., Carr, E.R., Pascual*, U. (2016). Enhancing and Expanding Intersectional Research for Climate Change Adaptation in Agrarian Settings. *AMBIO*. 45(3): 373-382. DOI: 10.1007/s13280-016-0827-0 ([link](#))
72. Berbés-Blázquez, M. González, J., Pascual*, U. (2016). Towards an ecosystem services approach that addresses social power relations. *Current Opinion in Environmental Sustainability*. 19: 134-143. DOI: 10.1016/j.cosust.2016.02.003
73. Chan, K., Balvanera, P., Benessaiah, K., Chapman, M., Díaz, S., Gómez-Baggethun, E., Gould, R.K., Hannahs, N., Jax, K., Klain, S.C., Luck, G., Martín-López, B., Muraca, B., Norton, B., Ott, K., Pascual, U., Satterfield, S., Tadaki, M., Taggart, J., Turner, N.J., 2016. Why Protect Nature? Rethinking Values and the Environment. *Proceedings of the National Academy of Sciences of the United States of America (PNAS)*. 113(6): 1462–1465. DOI: 10.1073/pnas.1525002113 ([link](#))
74. Zabala, A., Pascual, U. 2016. Bootstrapping Q Methodology to Improve the Understanding of Human Perspectives. *PLOS ONE*. 11(2) DOI: 10.1371/journal.pone.0148087 ([link](#))
75. Bohan, D.A., Landuyt, D., Ma, A., Macfadyen, S., Marinet, V., Massol, F., McInerny, G., Montoya, J.M., Mulder, C., Pascual, U., et al (2016). Networking our way to better ecosystem service provision" *Trends in Ecology and Evolution*. 31: 112-121. DOI: 10.1016/j.tree.2015.12.003 ([link](#))
76. Palomo, I., Felipe-Lucia M.R., Bennett, E., Martinez-Lopez, B. Pascual, U. (2016) Disentangling the pathways and effects of ecosystem service co-production. *Advances in Ecological Research*. 54. 245-283 DOI: 10.1016/bs.aecr.2015.09.003
77. Olazabal, M., Pascual, U (2016). Use of fuzzy cognitive maps to study urban resilience and transformation. *Environmental Innovation and Societal Transitions*.18: 18-40. DOI:10.1016/j.eist.2015.06.006.
78. Mulder, C., Bennet, E., Bohan, D.A., Bonkowski, M., Carpenter, S.R., Chalmers, R., Cramer, W., Durance, I., Eisenhauer, N., Fontaine, C., Haughton, A.J., Hettelingh, J.-P., Hines, J., Ibanez, S., Jeppesen, E., Krumins Adams, J., Ma, A., Mancinelli, G., Massol, F., McLaughlin, Ó., Naeem, S., Pascual, U., Peñuelas, J., Pettorelli, N., Pocock, M.J.O., Raffaelli, D., Rasmussen, J.J., Rusch, G.M., Scherber, C., Setälä, H., Sutherland, W.J., Vacher, C., Voigt, W., Vonk, J.A., Wood, S.A., Woodward, G. (2015). 10 Years Later: Revisiting Priorities for Science and Society a Decade after the Millennium Ecosystem Assessment. *Advances in Ecological Research*. 53: 1-53. DOI: 10.1016/bs.aecr.2015.10.005.
79. Etxano, E., Garmendia, E., Pascual, U., Hoyos, D., Díez, M.A., Cadiñanos, J.A., Lozano, P.J., (2015). A participatory integrated assessment approach for Natura 2000 network sites. *Environment & Planning C: Government & Policy*. 33(5): 1207-1232. doi: 10.1177/0263774X15612318
80. Díaz, S., Demissew, S., Joly, C. Lonsdale, W.M., Larigauderie, A., Baptiste, B.L.G. Roué, M. Pascual, U (2015). Biodiversity beyond babel (reply to Soberón, J. and Peterson, A.T: Biodiversity Governance: A Tower of Babel of Scales and Cultures). *PLOS Biology* 13(3). 2 July 2015. DOI: 10.1371/journal.pbio.1002108 ([link](#))
81. Midler, E., Pascual*, U., Drucker, A., Narloch, U., Soto, L. (2015). Unraveling the effects of payments for ecosystem services on intrinsic motivations for collective action. *Ecological Economics*. 120: 394-405 DOI: 10.1016/j.ecolecon.2015.04.006
82. Pascual*, U., Termansen, M., Hedlund, K., Brussaard, L., Faber, J., Foudi, S., Lemanceau, P., Liv-Jørgensen, S. (2015). On the value of soil biodiversity and ecosystem services. *Ecosystem Services* 15:11-18 DOI: 10.1016/j.ecolser.2015.06.002
83. Olazabal, M., Pascual, U. (2015). Urban low-carbon transitions: Cognitive barriers and opportunities. *Journal of Cleaner Production*. 109: 336-346. DOI:10.1016/j.jclepro.2015.08.047
84. Albizua, A., Williams, A., Hedlund, K., Pascual, U. (2015). Crop rotation including ley and manure can promote ecosystem services in conventional farming systems. *Applied Soil Ecology*. 95: 54-61 DOI: 10.1016/j.apsoil.2015.06.003
85. Bennett, E.M., Cramer, W., Begossi, A., Cundill, G., Diaz, S., Egooh, E., Geijzendorffer, I.R., Krug C.B., Lavorel, S., Lazos, E., Lebel, L., Martín-López, B., Meyfroidt, P., Mooney, H.A., Nel, J.L., Pascual, U., Payet, K., Harguindeguy, N.P., Peterson, G., Prieur-Richard, A-H., Reyers, B., Roebeling, R., Seppelt, R., Solan, M., Tschakert, P., Tscharntke, T., Turner, B.L., Verburg, P.H., Viglizzo, E.F., White, P.C.L, Woodward, G. (2015). Linking ecosystem services to human well-being: Three challenges for designing research for sustainability. *Current Opinion in Environmental Sustainability* 14:76-85 DOI:10.1016/j.cosust.2015.03.007

86. Díaz, S., Demissew, S., Carabias, J., Joly, C. Lonsdale, W.M, Ash, N., Larigauderie., A., Pascual U., et al. (2015). The IPBES conceptual framework - connecting nature and people. *Current Opinion in Environmental Sustainability* 14:1-16. 10.1016/j.cosust.2014.11.002 ([link](#))
87. Milne, E. Banwart, S.A., Noellemyer, E., Pascual, U. et al (2015). Soil Carbon, Multiple Benefits. *Environmental Development*. 13; 33-38. doi:10.1016/j.envdev.2014.11.005
88. Fernandes, L.A.O., and Pascual, U. (2015). Analise de eficiencia de agricultura familiar agroecologista. *Revista Iberoamericana de Economía Ecológica* 24: 221-233. ISSN 13902776
89. Pascual*, U., Phelps, J., Garmendia, E., Brown, K., Corbera, E., Martin, A., Gomez-Bagethun, E., Muradian, R. (2014). Social Equity matters in Payments for Ecosystem Services. *Bioscience* 64(11): 1027-1036 doi: 10.1093/biosci/biu146 ([link](#))
90. Banwart. S., Black, H., Cai, Z., Gicheru; P. Joosten, H., Reynaldo, V., Milne, E., Pascual, U., Nziguheba; Vargas; Bationo; Buschiazzo;de-Brogne; Melillo;Richter;Termansen;Van Noordwijk; Ballabio;Goverse; Bhattacharyya; Goldhaber; Nikolaidis; Zhao; Funk; Duffy; Pan; la Scala; Gottschalk; Batjes; Six; van esemael; Stocking; Bampa; Bernoux; Feller; Lemanceau, P.; Montanarella, L. (2014). Benefits of soil carbon: Report on the outcomes of an international Scientific Committee on Problems of the Environment Rapid Assessment Workshop. *Carbon management*: 5(2). 185-192. DOI: 10.1080/17583004.2014.913380
91. Bateman, I.J., Harwood, A.R., Abson, D.J., Andrews, B., Crowe, A., Dugdale, S., Fezzi, C., Foden, J., Hadley, D., Haines-Young, R., Hulme, M., Kontoleon, A., Munday, P., Pascual, U., Paterson, J., Perino, G., Sen, A., Siriwardena, G., Termansen, M. 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
92. 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
93. 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.
94. 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
95. 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
96. Pascual*, U., Jackson, L., Drucker, A. (2013). Economics of Agrobiodiversity. *Encyclopaedia of Biodiversity*.3: 31-44. Elsevier. DOI: 10.1016/B978-0-12-384719-5.00182-9
97. 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.
98. 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
99. 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. DOI: 10.1073/pnas.1220070110
100. Muradian, R., M. Arsel, L. Pellegrini, F. Adamant, B. Aguilar, B. Agarwal, E. Corbera, D. Ezzine de Blas, J. Farley, G. Froger, E. Garcia-Frapolli, E. Gómez-Bagethun; J. Gowdy,, N. Kosoy,J.F. Le Coq, P. Leroy,P. May, P. Mérat, 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. [70 cites]
101. 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.
102. 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
103. 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
104. Krishna, V.V, Drucker, A.G., Pascual, U., Raghu, P.T., King, E.D.I. (2013) Estimating compensation payments for onfarm conservation of agricultural biodiversity in developing countries. *Ecological Economics*. 87: 110–123
105. 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.
106. 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.
107. 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
108. 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, Tscharntke, T, van Noordwijk, M. (2012). Socialecological 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
109. 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.13652486.2012.02747.x.
110. 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
111. Corbera, E., and Pascual, U., (2012). Ecosystem services: heed social goals, *Science*, 335(6069): 655-656. DOI:10.1126/science.335.6069.655-c.
112. 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 [95 cites]
113. Sutherland, 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 coordination in agri-environmental programmes. *Land Use Policy*. 29: 502-512 doi:10.1016/j.landusepol.2011.09.003
114. 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
115. 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.
116. Narloch, U., Drucker A., Pascual, U (2011) Payments for agrobiodiversity conservation services for sustained onfarm utilization of plant and animal genetic resources *Ecological Economics*, 70(11): 1837-1845. doi:10.1016/j.ecolecon.2011.05.018

- 117.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
- 118.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
- 119.Wu, J., Fisher, M., Pascual, U. (2011). Urbanization and the viability of local agricultural economies. *Land Economics*. 87(1):109-125.
- 120.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
- 121.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.
- 122.Pascual, U. (2011). Governing the Environment: Salient institutional Issues. (book review) *Journal of Integrative Environmental Sciences*. 8(1): 69-71.
- 123.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
- 124.Krishna, V., Pascual, U., Zilberman, D. (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
- 125.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 [106 cites]
- 126.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
- 127.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 [125 cites]
- 128.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):12021208. DOI: 10.1016/j.ecolecon.2009.11.006 [263 cites]
- 129.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 Tecnología Agraria*. 2(1): 188-198.
- 130.Pascual*, U., Martínez-Espiñeira, 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
- 131.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
- 132.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 [67 cites]
- 133.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. DOI: 10.1111/j.1477-9552.2007.00091.x
- 134.Jackson, L.E. Bawa, K.S., Brussard, 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.
- 135.Jackson, L., Bawa, K., Brussard, 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: 978-0-12226865-6

- 136.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 [151 cites]
- 137.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
- 138.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
- 139.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.
- 140.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 15780732
- 141.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
- 142.Konchak, W., 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
- 143.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.ecolecom.2004.09.012
- 144.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.2004.03.023 102.
- 145.Pascual*, U. (1998). 'Peasant economics and soil degradation' UZTARO, *Basque Social Science Journal*, 35, pp: 1931.

10. BOOK CHAPTERS

1. Balvanera P., Pascual U., Christie M., Baptiste B., Lliso B., Monroy A.S., Guibrunet L., Anderson C.B., Athayde S., Barton D.N., Chaplin-Kramer R., Jacobs S., Kelemen E., Kumar R., Lazos E., Martin A., Mwampamba T.H., Nakangu B., O'Farrell P., Raymond C.M., Subramanian S.M., Termansen M., Van Noordwijk M., Vatn A., Contreras V., González-Jiménez D. (2022) Chapter 1: The role of the values of nature and valuation for addressing the biodiversity crisis and navigating towards more just and sustainable futures. In: Methodological assessment of the diverse values and valuation of nature of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services. P. Balvanera, U. Pascual, C. Michael, B. Baptiste, D. González-Jiménez (eds.). IPBES secretariat, Bonn, Germany. XX pages. <https://doi.org/10.5281/zenodo.6418971>
2. Brondízio, E. S., Díaz, S., Settele, J., Ngo, H. T., Guèze, M, Aumeeruddy-Thomas, Y., Bai, X., Geschke, A., Molnár, Z., Niamir, A., Pascual, U., Simcock, A. Jaureguiberry, J. 2019. Chapter 1: Assessing a planet in transformation: Rationale and approach of the IPBES Global Assessment on Biodiversity and Ecosystem Service. In: Global assessment report of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services. Brondízio, E. S., Settele, J., Díaz, S., Ngo, H. T. (eds). IPBES Secretariat, Bonn, Germany. 48 pages DOI: 10.5281/zenodo.383185
3. Merino-Pérez, L., Mwangi, E., Mace, G. M., Lehmann, I., Minang, P.A., Pascual, U., Redford, K.H., Reyes-García, V., (2018). Frameworks for Biodiversity and Forests. In "Rethinking Environmentalism. Linking Justice, Sustainability, and Diversity". (Eds S. Lele, E.S. Brondizio, J. Byrne, G.M. M, J. Martinez-Alier). pp.57-81. Strüngmann Forum Report Series. The MIT Press. ISBN: 9780262038966. [Open Access](#)
4. Martin, A., Coolsaet, B., Corbera, E., Dawson, N., Fisher, J., Franks, P., Mertze, O., Pascual, U., Rasmussen, L., Ryan, C. (2018). Land use intensification: the promise of sustainability and the reality of trade-offs. In "Ecosystem Services and Poverty Alleviation: Trade-offs and Governance" (Eds: Schrekenberg, K. Mace, G., and Poudyal, M.). Chapter 6. Routledge. In press. ISBN (printed): 978-1-138-58083-1. ISBN (online): 978-0-429-50709-0. [Open Access](#)

5. Pascual, U. and Howe, C. (2018). Seeing the wood for the trees: exploring the evolution of frameworks of ecosystem services for human well-being. In "Ecosystem Services and Poverty Alleviation: Trade-offs and Governance" (Eds: Schrekenberg, K. Mace, G., and Poudyal, M.). Chapter 1, pp: 3-21. Routledge. ISBN (printed): 978-1-138-58083-1. ISBN (online): 978-0-429-50709-0. [Open Access](#)
6. Pascual, U., Garmendia, E., Phelps, J., & Ojea, E. (2018). Opportunities and Conditions for Successful Foreign Aid to the Forestry Sector. In Huang, Y. and Pascual, U (Eds): *Aid Effectiveness for Environmental Sustainability* (pp. 257305). Palgrave MacMillan, Singapore.
7. Huang, Y. and Pascual, U. 2018. Introduction. In Huang, Y. and Pascual, U (Eds): *Aid Effectiveness for Environmental Sustainability* (pp. 1-16). Palgrave MacMillan, Singapore.
8. Huang, Y. and Pascual, U. 2018. Conclusion. In Huang, Y. and Pascual, U (Eds): *Aid Effectiveness for Environmental Sustainability* (pp. 441-443). Palgrave MacMillan, Singapore.
9. Drucker, A., Pascual, U., Narloch, U., Midler, E., Soto, J.L. Pinto, M., Valdivia, E., Rojas, W. (2014) Los pagos voluntarios para la conservación de la diversidad de la quinua: explorando el papel de los pagos por servicios ambientales en los Andes. Chp 1.7. p 124-136. In: Bazile D. Bertero, D., Nieto, C (Eds), "State of the art of Quinoa around the world in 2013": UN-FAO (Santiago de Chile) & CIRAD (Montpellier, France). <http://www.fao.org/3/ai4042e/index.html>
10. Banwart, S., Black, H., Cai, Z., Gicheru, P., Joosten, H., Victoria, R., Milne, E., Noellemyer, E., Pascual, U., et al. (2014), 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.
11. Banwart, S.A., Black, H., Cai, Z., Gicheru, P.T., Joosten, H., Victoria, R.L., Milne, E., Noellemyer, E., Pascual, U. (2014). The Global Challenge for Soil Carbon. In "Soil Carbon: Science, Management and Policy for Multiple Benefits" (eds S.A. Banwart, E. Noellemyer and E. Milne). Chapter 1, pp: 1-9. SCOPE series volume 71. Wallingford, United Kingdom: CAB International.
12. Funk, R, Pascual, U., Joosten, H., Duffy, C. Pan, G., la Scala, N., Gottschalk, P. Banwart, S., Batjes, N., Cai, Z., Six, J., Noellemyer, N. (2014) From potential to implementation: An innovation framework to realise the benefits of soil carbon. In: Banwart S., Noellemyer E., and Milne E. eds. Soil Carbon: Science, management and policy for multiple benefits. Chapter 4: 47-59. SCOPE series volume 71. Wallingford, United Kingdom: CAB International.
13. Pascual, U, Termansen, M, Abson, D. (2014). The economic value of soil carbon. In: Banwart S., Noellemyer E., and Milne E. eds. "Soil Carbon: Science, management and policy for multiple benefits". Chapter 15, pp-179-188. SCOPE series volume 71. Wallingford, United Kingdom: CAB International 2015.
14. Abson, D. Pascual, U., Termansen, M (2014). Valuation approaches for soil carbon. In: Banwart S., Noellemyer E., and Milne E. eds. "Soil Carbon: Science, management and policy for multiple benefits". Chapter 18, pp-213-224. SCOPE series volume 71. Wallingford, United Kingdom: CAB International.
15. Drucker, A., Pascual, U., Narloch, U., Midler, E., Soto, J.L. Pinto, M., Valdivia, E., Rojas, W. (2014) Los pagos voluntarios para la conservación de la diversidad de la quinua: explorando el papel de los pagos por servicios ambientales en los Andes. Chp 1.7. p 124-136. In: Bazile D. Bertero, D., Nieto, C (Eds), "Estado del arte de la quinua en el mundo en 2013": UN-FAO (Santiago de Chile) & CIRAD (Montpellier, France).
16. Pascual, U., Muradian, R., Rodriguez, L.C., Duraiappah, 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.
17. 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.
18. 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.
19. 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.

20. 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" pp.161-186. Routledge. London, UK. ISBN: 978-0-415-82540-5
21. 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.
22. 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
23. Ishihara, I., Pascual, U. (2011). Social Capital and Collective Action in Environmental, Governance Revisited (in Brousseau, E., Dedeurwaerdere, T., Jouvret, 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.
24. 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.
25. Pascual, U., Muradian, R., Brander, L., Gómez-Bagethun, E., Martín-López, M., Vermaan, 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.
26. Pascual, U., Muradian, R., Brander, L., Gómez-Bagethun, E., Martín-López, M., Vermaan, M., Armsworth, P., Christie, M., Cornelissen, H., Eppink, F., Farley, J., Loomis, J., Pearson, L., Perrings, C., Polasky, S. (2010). Matrix Tables for Wetland and Forest Ecosystems. In Kumar, P (ed): The Economics of Ecosystems and Biodiversity Ecological and Economic Foundations. Chapter 5, pp. 183-366. Earthscan
27. Kumar, P., Brondizio, E., Elmquist, 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. Appendix 2, pp.324-306. Earthscan.
28. 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.
29. 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.
30. 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.
31. 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.
32. 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. Bioversity International, Rome, Italy. 123-142. pp. 179. ISBN: 978-92-9043-812-0
33. 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
34. Perrings, C., S. Baumgärtner, W.A. Brock, K. Chopra, M. Conte, C. Costello, A. Duraiappah, A.P. Kinzig, U. Pascual, S. Polasky, J. Tscharhart, 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 32.
 33. Brock, W.A., D. Finnoff, A.P. Kinzig, U. Pascual, C. Perrings, J. Tscharhart, 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
 34. 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
 35. 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
 36. 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.
 37. 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
 38. 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
 39. 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.

11. 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).

12. DISCUSSION PAPERS AND POLICY BRIEFS

1. Pascual et al. (2018) Wellbeing for whom and how? Ecosystem Services and Poverty Alleviation (ESPA) program. March 2018. SPA. UK
2. Garmendia, E., Pascual, U. and Phelps,J., 2015,"Environmental justice: instrumental for conserving natural resources", BC3 Policy Briefing Series 04-15" Basque Centre for Climate Change (BC3).Bilbao, Spain. http://www.bc3research.org/index.php?option=com_pbriefings&task=showdetails&idpbriefings=39&Itemid=292&lang=en_EN
3. Krishna, V.V., Pascual, U. and Qaim, M. (2014) "Do emerging land markets promote forestland appropriation? Evidence from Indonesia". EFForTS Discussion Paper Series No. 7. Goettingen: Georg-August University of Goettingen, Germany.

4. 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/
5. 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
6. Ishihara and Pascual, U. Institutions and Agency in Creating Collective Action for Common Pool Resources. Environment Economy and Policy Research working paper. 53.2012.
7. Abson, D. J., Ternansen, 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=mqogOQhlS0%3d&tabid=82>
8. "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
9. "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
10. "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
11. "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
12. 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
13. "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
14. "An integrated methodological framework to value Red Natura 2000 Network sites in the Basque Country". IHOBE. Basque Government. 2009.
15. "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.
16. "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.
17. "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.
18. "The Total Economic Value of Forests in the Basque Country". IKT Ikerketa eta Nekazal Teknologia. EU project: INTERREG IIIB FORSEE: Sustainable FORest management pp. 78. Vitoria, Spain. 2007.

13. TECHNICAL REPORTS

1. Pörtner, H.O., Scholes, R.J., Agard, J., Archer, E., Arneth, A., Bai, X., Barnes, D., Burrows, M., Chan, L., Cheung, W.L., Diamond, S., Donatti, C., Duarte, C., Eisenhauer, N., Foden, W., Gasalla, M., Handa, C., Hickler, T., Hoegh-Guldberg, O., Ichii, K., Jacob, U., Insarov, G., Kiessling, W., Leadley, P., Leemans, R., Levin, L., Lim, M., Maharaj, S., Managi, S., Marquet, P., McElwee, P., Midgley, G., Oberdorff, T., Obura, D., Osman, E., Pandit, R., Pascual, U., Pires, A. P. F., Popp, A., Reyes-García, V., Sankaran, M., Settele, J., Shin, Y. J., Sintayehu, D. W., Smith, P., Steiner, N., Strassburg, B., Sukumar, R., Trisos, C., Val, A.L., Wu, J., Aldrian, E., Parmesan, C., Pichs-Madruga, R., Roberts, D.C., Rogers, A.D., Díaz, S., Fischer, M., Hashimoto, S., Lavorel, S., Wu, N., Ngo, H.T. (2021). Scientific outcome of the IPBES-IPCC co-sponsored workshop on biodiversity and climate change; IPBES secretariat, Bonn, Germany, DOI:10.5281/zenodo.4659158.
2. IPBES (2020) Workshop Report on Biodiversity and Pandemics of the Intergovernmental Platform on Biodiversity and Ecosystem Services. Daszak, P., das Neves, C., Amuasi, J., Hayman, D., Kuiken, T., Roche, B., Zambrana-Torrelio, C., Buss, P., Dundarova, H., Feferholtz, Y., Foldvari, G., Igbinosa, E., Junglen, S., Liu, Q., Suzan, G., Uhart, M., Wannous, C., Woolaston, K., Mosig Reidl, P., O'Brien, K., Pascual, U., Stoett, P., Li, H., Ngo, H. T., IPBES secretariat, Bonn, Germany, DOI:10.5281/zenodo.4147317
3. UNEP (2015):Preliminary guide regarding diverse conceptualization of multiple values of nature and its benefits, including biodiversity and ecosystem functions and services (deliverable 3(d)). In Report of the Fourth Session of the Plenary of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services, 2015. IPBES/4/INF/1 http://www.ipbes.net/sites/default/files/downloads/IPBES-4-INF-13_EN.pdf
4. Midler, E., Pascual, U., Simonit, S. (2014). Forest ecosystems in national economies and contribution of REDD+ in a green economy transformation: the case of Panama. (Ecosistemas forestales en las economías nacionales y la contribución de REDD+ en la transformación hacia una economía verde: el caso de Panamá) UNEP. ([link](#))

14. RESEARCH PROJECTS

1. Forest based solutions for surface drinking water protection, biodiversity, bioeconomy and climate resilience (LIFE-URBASO). European Commission (LIFE project). 2021-2025. 2,223,596 euro.
2. Relational Values in Urban Environments: A transdisciplinary approach (REVALUE). Basque Government 2019-2022. 50,000 euro.
3. Open library of pollinator Biodiversity and ecosystem Services scenarios (OBserv). Project timeframe: 2019-2021. Funder: BioDiversa. Role: project partner Budget: 759,681 euro.
4. A review of conceptual frameworks of ecosystem services. Project timeframe: June 2017 – May 2018.Funder: Ecosystem Services for Poverty Alleviation (ESPA).Role: PI. Budget: 25000 euro.
5. Towards an Equitable Valuation of Nature in the Anthropocene ([EQUIVAL](#)). Project timeframe: November 2017 – May 2019. Funder: Future Earth. Role: PI. Budget: 160,000 USD.
6. Agriculture, Food Production and Forest Conservation/Management in Sub-Saharan Africa)Project timeframe: 2017 – 2019. Funder: SNAPP Science for Nature and People partnership. Role: Co-I. PI: Phil Franks, International Institute for Environment and Development (IIED). Budget:
7. Visiting scholar grant by the Basque Government (IKERMUGIKORTASUNA program). Project timeframe: 1st June – 31st July 2017. Funder: Basque Government. Role: PI . Budget: 5,500 EURO
8. Land-use intensification in forest-agriculture frontier landscapes: effects on ecosystem services and poverty alleviation (ESPA-FRONTIERS). Project timeframe: Dec 2016 – Nov 2017. Funder: E SPA (NERC UK). Role: Co-I Budget: 172,785 GBP.
9. Rethinking Relational Values and the Environment: Implications for Science and Policy. Project timeframe: 2015-2016. Funder: UNESCO. Role: PI – Director. Budget: €65,000.
10. Social equity in Payments for Ecosystem Services: A social-ecological perspective (ESPERA). Project timeframe: 2016-2018. Funder: Spanish Ministry of Innovation, Science and Competitiveness. Role: PI. Budget: €18,150.

11. El papel de la equidad social en la gobernanza de la naturaleza desde una perspectiva socio-ecológica (ESSE). Project timeframe: 2015-2018. Funder: Basque Government. Role: PI. Budget: €53,500
12. Klimagune Workshop 2014, Bilbao, Spain. Project timeframe: Jan-Dec 2014. Funder: Basque Government. Role: PI . Budget: €4,000.
13. 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. Budget: €60,000
14. The role of agrobiodiversity for climate change adaptation. Project timeframe: 2012-2014. Role: Co-PI with Adam Drucker (Bioversity International). Budget: € 75,000.
15. Klimagune Workshop 2013, Bilbao, Spain. Project timeframe: Jan-Dec 2013. Role: PI. Funder: Basque Government. Budget: €5,000
16. Klimagune Workshop 2012, Bilbao, Spain. Project timeframe: Jan-Dec 2012. Role: PI. Budget: €5,000. Funder: Basque Government.
17. 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). Budget: € 25,000.
18. Payments for Agrobiodiversity Conservation (PACS) in Peru. Project timeframe: 2012-13. Role: Co-PI with Adam Drucker (Bioversity International). Budget: \$28,000.
19. Ecological Function and Biodiversity Indicators in European Soils (EcoFINDERS). Funder: EU FP7 Programme (ENV2010-2.1.4.4. Collaborative project, large-scale integrating project). Project timeframe: 2011- 2015. Role: Co-I & Work Package leader. PI: Phillippe Lemanceau (INRA, Dijon, France). Budget: € 7,000,000. (BC3: €231,376).
20. 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). Budget: UK£ 24,000.
21. 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). Budget: UK£ 500,000 (aprox).
22. 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). Budget: US\$ 400,000.
23. Payment for Agrobiodiversity Conservation Services (PACS) and implications for collective action and property rights. Funder: CGIAR Systemwide Program on Collective Action and Property Rights. Project timeframe: 2009- 2012. Role: Co-Investigator. PI: Adam Drucker (Bioversity International). Budget: US\$ 150,000
24. Payments for ecosystem services from agrobiodiversity conservation (PACS). Funder: SyngentaFoundation. Project timeframe: 2009-June 2011. Role: Co-Investigator. PI: Adam Drucker (Bioversity International). Budget: US\$ 120,000.
25. 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. Budget: US\$ 43,000
26. 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). Budget: UK£ 800,000
27. 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). Budget: € 70,000
28. Agrobiodiversity conservation and economic development in Ethiopia. Funder: United Nations Food and Agriculture Organisation (FAO). Project timeframe: 2009. Role: PI. Budget: US\$ 8,000
29. 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). Budget: UK£ 50,000

15. WORKSHOP ORGANISATION

1. Second Authors Meeting of the Values Assessment of IPBES. Vitoria-Gasteiz (21-27 October, 2019).
2. Navigating social-ecological tradeoffs for sustainability. Murua. 1-2 February 2018.
3. Rethinking Relational Values and the Environment: Implications for Science and Policy. Funded by UNESCO. 30 May – 1 June 2016, San Sebastian, Basque Country, Spain. ([link](#))
4. The role of social equity in the management of protected areas. Murua, Basque Country. Spain. Feb. 2016. Role co-leader with Noelia Zafra-Calvo. Funder: European Commission. (2017). Towards a Practical Indicator System to Assess Equitable
5. Klimagune 2015: Communicating climate science: Opportunities and challenges. 23 Nov. 2015. Approx. 100 people. ([link](#))
6. "Ecosystem Services and Sustainability". 7-9 July 2014, Murua, Basque Country. 10 international experts in Sustainability Science and Ecosystem Services participated.
7. Klimagune 2014: Opportunities and challenges for rural areas in the context of climate change. Bilbao. Funded by the Basque Government. About 100 participants. 4 Dic. 2014. ([link](#))
8. "Social Equity and Payments for Ecosystem Services". 20-21 Sept 2013. Murua, Basque Country. Spain.

16. COMMISSIONS OF TRUST: SCIENTIFIC EVALUATOR OF INTERNATIONAL RESEARCH COUNCILS AND PROGRAMS

- Scientific Evaluator for the European Research Council. ERC. Member of the evaluation panel SH2.2020.
- Scientific Evaluator for the NORDFORSK pan-Nordic Research Council. 2020.
- Scientific Evaluator. Swedish Research Council for Sustainable Development. Formas. "Realising the Sustainable Development Goals". 2020.
- Scientific Evaluator ICREA. 2020.
- Scientific evaluator. *Nordic programme for interdisciplinary research*. NordForsk. 2020.
- Scientific Evaluator for the European Science Foundation (SNSF). Expert evaluator. 2018-20.
- Scientific Evaluator for the Swiss National Science Foundation (SNSF). Expert evaluator. 2017.
- Scientific Evaluator for Swedish Research Council. Member of the evaluation panel of the call *Humanities, social and behavioural sciences*– Tackling climate and environmental changes. 2017
- Scientific Evaluator for the European Research Council. ERC. Member of the evaluation panel SH2 - Institutions, Values, Environment and Space 2018 o Scientific Evaluator for the European Research Council. ERC. Member of the evaluation panel SH2 - Institutions, Values, Environment and Space 2016
- Scientific Evaluator for the Swedish Research Council. Member of the evaluation panel of the call Sustainability and resilience – Tackling climate and environmental changes. 2016
- Scientific Evaluator for Agencia Nacional de Evaluación y Prospectiva (ANEPE). Plan Estatal Retos I+D. Ministerio de Economía y Competitividad. España. 2015.
- Scientific Evaluator for the Portuguese Science Foundation (ESF) through the European Science Foundation, 2014
- Scientific Evaluator for the European Science Foundation (ESF) – AXA Research Fund postdoctoral program, 2014
- Scientific Evaluator for the Serra Hunter program (Catalan Government Research Program). 2014.
- Scientific Evaluator for the Natural Environment Research Council, UK (2013)
- Scientific Evaluator for the Economic and Social Research Council. 2013.
- Scientific Evaluator for the Swedish Research Council FORMAS Expert Panel on Sustainable development in lowincome countries. 2013.
- Scientific Evaluator for the The Norwegian research council. Norwegian National Climate Change Programme – Climate Change impacts and impacts in Norway (NORKLIMA) 2012.

- Scientific Evaluator for the Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning (www.formas.se.) 2009-2012 o Scientific Evaluator for the EU Commission Framework Program 7. Biodiversa ERA-net program. (www.biodiversa.org). 2011.
- Scientific Evaluator for the EU Commission Framework Program 7 project evaluator: SCALE project (www.scalesproject.net). 2011.
- Scientific Evaluator for the 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.
- Scientific Evaluator for the UK Ecosystems Services for Poverty Alleviation (ESPA) program 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 o External Examiner to the undergraduate (BSc) and postgraduate (MSc) programs. University of York, Environment Department, UK (2008- 2011) o Scientific Evaluator for the French National Research Agency - Biodiversity Research Program. (www.agencenationale-recherche.fr). 2007-10
- Scientific Evaluator for the International Science Foundation (2005-07)

17. NATIONAL AND INTERNATIONAL SCIENCE-POLICY ENGAGEMENT

- Hearing at the Spanish Parliament (Comisión de Transición Ecológica y Reto Demográfico on the Spanish Law on Climate Change and Energy Transition (Ley de Cambio Climático y Transición Energética). 17/9/2020 [link](#)
- Hearing at the Basque Parliament to evaluate the findings of the IPBES global assessment. 8/10/2019 <https://www.legebiltzarra.eus/portal/es/web/eusko-legebiltzarra/noticias-y-eventos/noticias/-/buscador/content/comparecencias-en-la-comision-de-medio-ambiente-planificacion-territorial-y-vivienda>
- Hearing at the Basque Parliament to evaluate the outcome of the Paris Climate Accord COP21 representing BC3 - Comparecencia en la Comisión de Medio Ambiente y Política Territorial del Parlamento Vasco en representación del BC3. 17/2/2016 <http://news.bc3research.org/2016/02/17/707/>
- Co-chair and CLA of the Expert Group of the multiple conceptualisations of the diversity of value of biodiversity and ecosystem services. Intergovernmental Panel on Biodiversity and Ecosystem Services (IPBES).
- 3rd Plenary of the Intergovernmental Panel on Biodiversity and Ecosystem Services (IPBES). Bonn (12-17 January, 2015) representing the International Council for Science (ICSU) delegation o Spanish Government 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)
- Spanish Government 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.
- 1st Plenary of the Intergovernmental Panel on Biodiversity and Ecosystem Services (IPBES). Bonn (21-26 January, 2013), representing the International Council for Science (ICSU) delegation.
- 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, Neshoever Carsten, Nettleton Carino Joji, Pascual Unai, Reyers Belinda, Saito Osamu , Schultz Maria, Spierenburg Marja , Sumaila Rashid, Tallis Heather. UNESCO. Paris. 26-29 October 2012.
- 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 o Joint Agriculture Food security and Climate Change FACCE– JPI and EU BiodivERsA

- network strategic expert meeting. 5/3/2013 Paris
- 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
 - 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.

18. TEACHING ADVANCED COURSES (BESIDES UNIVERSITY LECTURESHIPS)

- Ecosystem services for sustainability. University of Tokyo. Master degree in environmental sustainability. 23/5/2022
- "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.
- III Ecological Economics course. Hacia una economía circular de materiales. UPV-EHU. Basque Country University. 26 October 2015.
- II Ecological Economics course. Las relaciones Norte-Sur desde una perspectiva ecológica. UPV-EHU. Basque Country University. 27 October 2014.
- I Ecological Economics course. 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.
- I Course on Waste Management. UEU &UPV-EHU. Basque Country University. Eibar. October 2011.
- II Course on Waste Management. UEU &UPV-EHU. Basque Country University. Eibar. November 2012.
- III Course on Waste Management. UEU &UPV-EHU. Basque Country University. Eibar. November 2013.

19. MANAGERIAL SERVICES

- Co-Chair, Values Assessment of IPBES (2019-2022)
- Member of the Multidisciplinary Expert Panel of IPBES (2015-18)
- Leader of the Climate and Natural Environment Research Line, Basque Centre for Climate Change (2011-2018)
- Member of the Management Committee of the Basque Centre for Climate Change (2011-)
- Elected Board Member: European Society for Ecological Economics, ESEE. Elected for the terms: (2006-2009 & 2010-2012)

20. MEMBERSHIP OF SCIENTIFIC COMMITTEES OF CONFERENCES

- 12th European Society of Ecological Economics, 2017. Budapest, Hungary. Scientific committee member.
- 11th European Society of Ecological Economics, 2015. Leeds, UK. Scientific committee member.
- European Society of Ecological Economics conference, Iceland, 15-16 August, 2014.
- Reviewer for the Global Biodiversity Outlook (fourth edition) GBO-4. 2014.
- Member of the International Review Board of the Inclusive Wealth Report 2012. International Human Dimensions Programme on Global Environmental Change (IHDP), Bonn, Germany.
- 18th European Association of Environmental and Resource Economists. 29 June-2 July. 2011. Rome, Italy.
- 9th European Society of Ecological Economics, 2011: "Advancing Ecological Economics: Theory and Practice" 2011. Istanbul, Turkey.

- 7th European Society of Ecological Economics, 2007: "Integrating Natural and Social Sciences for Sustainability". 58th June 2007, Leipzig, Germany
- 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)
- 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
- 9th International BIOECON Conference. Economics and Institutions for Biodiversity Conservation, Kings College Cambridge, 19-21 September 2007 - 8th International BIOECON Conference. Economic Analysis of Ecology and Biodiversity. Cambridge, UK. 29-30 August, 2006.
- 2nd Spanish Biodiversity Conference. 2011. Granada, June, 2011.
- Spanish Biodiversity Conference. 2013. Bilbao, February, 2011.
- 4th AERNA Conference Spanish-Portuguese Association of Natural Resources and Environmental Economics. Palma de Mallorca. 2-5 June 2010.

21. SERVICE TO JOURNALS, PUBLISHERS & CONFERENCE ORGANIZATION COMMITTEES

Journal Editorial Board Membership:

- Encyclopedia of Biodiversity (Third Edition). Elsevier (2020-2023)
- People and Nature (British Ecological Society) (2018-21)
- Global Environmental Change (2013-2016)
- Environment and Development Economics (2008-2013)
- Revista Española de Estudios Agro-sociales y Pesqueros (2008-2014).
- International Journal of Ecology & Development (2008-2011)
- International Journal of Ecological Economics & Statistics (2006-09)
- Revista Española de Estudios Agrosociales y Pesqueros (2011);
- Ecological Economics (2010);
- Agriculture, Ecosystems & Environment (2007)

Service as Journal referee:

<i>Journal of Environmental Economics & Management</i>	<i>Environmental Conservation</i>
<i>American Journal of Agricultural Economics</i>	<i>Conservation Letters</i>
<i>Ecological Economics</i>	<i>Ecology & Society</i>
<i>Land Economics</i>	<i>Biological Conservation</i>
<i>World Development</i>	<i>AMBIO</i>
<i>Geographical Journal</i>	<i>Revista Iberoamericana de Economía Ecológica</i>
<i>Environment and Development Economics</i>	<i>Latinoamericanist</i>
<i>European Journal of Agricultural Economics</i>	<i>International Journal of the Commons</i>
<i>Agricultural Economics</i>	<i>Environmental Policy and Governance</i>
<i>Regional Studies</i>	<i>Journal of Human Development and Capabilities</i>
<i>Cambridge Journal of Regions, Economy and Society</i>	<i>The Solutions Journal</i>
<i>journal of Agricultural Economics</i>	<i>Ecological Complexity</i>
<i>Agroforestry Systems</i>	<i>Science (2013 and 2014)</i>
<i>Forest and Policy Economics</i>	<i>Proceedings of the National Academy of Sciences of the USA (2013 and 2014)</i>
<i>Environmental Science and Policy</i>	
<i>Global Environmental Change</i>	
<i>Land use Policy</i>	
<i>Environmental and Resource Economics</i>	

Reviewer/evaluator of published books, policy reports and conferences (& book 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.

22. PHD SUPERVISOR

Current Students:

1. Giulia Wegner: "A socio-institutional analysis of wildlife conservation in Africa". University of Oxford, co-supervised by David McDonald.
2. Juan Luis Eugenio Martin: "Multicriteria evaluation of sustainable tourism development projects." University of Cambridge.
3. Julia Neidig. Relational Values in Urban Environments: A transdisciplinary approach. Universidad Autonoma de Barcelona.
4. Celina Aznarez
5. Sean Goodwin

Awarded:

6. Dr. Bosco LLiso: Equity and Efficiency of Payments for Ecosystem Services. Basque Centre for Climate Change and University of Osnabrueck. 2019.
7. Dr. Amaia Albizua. Social-Ecological implications of agrarian intensification: The case of modern irrigation in Navarre. Institut de Ciencia i Tecnologia Ambientals. Autonomous University of Barcelona 2016.
8. Dr. Aiora Zabala: Motivations and incentives for pro-environmental behaviour: the case of silvopasture adoption in the tropical forest frontier. University of Cambridge. 2015.

9. Dr. Hiroe Ishihara: Whose value should be valued in Environmental Policy formulation; Power relations and environmental evaluation? University of Cambridge. 2015.
10. Dr. Stella Nordhagen "The value of agrobiodiversity under climate change". University of Cambridge. 2015.
11. Dr. Marta Olazabal: Sustainable Urban Development under Climate Change and Resource Scarcity. University of Cambridge. 2015.
12. Dr. 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 Martinez Alier. 2012.
13. Dr. Ulf Narloch: "The role of payment for environmental service schemes in agro-ecosystems under Climate Change". University of Cambridge. 2011
14. Dr. Per Stromberg: Markets for Biodiversity Goods and Services. University of Cambridge, University of Cambridge. 2008.
15. Dr. Andres López: The Impact of Government Behaviour on Agricultural Income, Trade and the Environment. University of Cambridge. 2008.
16. Dr. Amani Omer "An Economic Analysis of Interactions between Agriculture and Biodiversity". School of Economic Studies, University of Manchester. 2004.

23. PHD EXAMINER

1. Dr. Enora Bruley. Local population's work with nature to co-produce adaptation to global change in the French Alps. Université Grenoble Alpes. 24/2/2021
2. Dr. Lina Moros Payments for Ecosystem Services in Colombia: discourses, design, and motivation-crowding. Universitat Autònoma de Barcelona 3/10/2019
2. Dr. Annika Tienhaara. Benefits of conserving agricultural genetic resources in Finland: Summary of the recent Finnish research and setting it in the international context. Natural Resources Institute, LUKE here in Finland 30/9/2019
3. Dr. Samantha Scholte. The value of nature through an ecosystem service lens: Exploring public perceptions. Free University of Amsterdam, The Netherlands, 23/1/2019.
4. Dr. Ameline Vallet. Tradeoffs between ecosystem services: From landscapes to stakeholders. L'Université Paris – Saclay AgroParisTech. 11 June 2018.
5. Dr. Itziar Barinaga-Rementeria. Euskal Autonomia Erkidegoko landa eremuen garapena Irizpide Anitzeko ebauazioaren bidez. Mutrikuko landa eremura aplikatutako analisia. University of the Basque Country. UPV-EHU. 27/4/2018
6. Dr. Sébastien Costedoat. Assessing the effectiveness of Payments for Environmental Services in improving community-based forest conservation in Chiapas, Mexico. Autonomous University of Barcelona. 13/9/2017.
7. Dr. Odile Selomane. Measuring consequences of ecosystem service change for human wellbeing. Faculty of AgriSciences. Stellenbosch University, South Africa. August, 2017.
8. Dra. María Vallejos. Caracterización de sistemas socio-ecológicos en el Gran Chaco: ¿Dónde, cuándo y cómo se transforma el territorio? FAUBA. Facultad de Agronomía. Universidad de Buenos Aires. Argentina. 28 March, 2017.
9. Dr. Brendan Coolsaet. Farming justice. Rights-based approaches to collective agrobiodiversity conservation. Université Catholique de Louvain. Private Defence 25 Oct. 2016 & Public Defence 29 November 2016.
10. Dr. Thu Ha Dang Phan. Payments for Ecosystem Services: Global and local assessments of costs and benefits. Free University of Amsterdam. Amsterdam, The Netherlands. 16th September 2016.
11. Dr. Miren Begiristain. *Nekazaritza ekologikoko elikagaien banaketa politikaren kudeaketa iraunkorra: Adierazle sistema holistiko agroekologikoaren proposamena*. Ekonomia eta Enpresa Zientzien Fakultatea. Finantza Ekonomia II saila. Donostia-San Sebastian. 8 January 2016.
12. Dr. Insa Flachsbarth. *A multi-scale analysis of transforming agricultural markets in the context of globalization: implications for natural resources, food prices and rural poverty in Latin America*. Universidad Politécnica de Madrid. 20 November 2015. Member of examination panel.

13. 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.
14. Dr. Maria Jesus Beltran: *Del metabolismo social al metabolismo hídrico: conceptos y aplicaciones.* Universidad Pablo de Olavide. 2012. Examiner for European PhD degree.
15. Dr. Federica Ravera. *Which future for semi-arid socioecological systems? Anticipatory learning for climate change adaptation in Northern Nicaragua.* Universidad Autónoma de Barcelona. 2011. Examiner for European PhD degree.
16. 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.
17. 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.
18. Dr. Tiziano Gomiero: *Multi-Objective Integrated Representation (MOIR): an Innovative Tool for Farming System Analysis.* Universidad Autónoma de Barcelona. 2005. Member of examination panel.
19. Dr. Anke Leroux: *Optimal Conservation under Ecological Risk and Uncertainty: A Dynamic Analysis.* Land Economy Department. University of Cambridge. 2005. Internal examiner.
20. Dr. Mauricio Villena: *Economics, Institutions and the Environment: An Evolutionary Approach to the Problem of Cooperation in Local Commons.* University of Cambridge. 2004. Internal examiner.

24. INVITED TALKS AND KEYNOTES

1. El papel de los valores ante la crisis global de biodiversidad. Alternativas a la crisis ecosocial: Teoría y Práctica. Curso UPV-EHU. 10/5/2022.
2. Global inequality and Power. Workshop on fostering sustainability transformation in complex systems. University of Graz, 28/9/2021
3. Krisi sozio-ekologikoa, ekonomiatik haratago doan gaitz sistemikoa. Krisi ekologiko, klimatiko eta sozialaren erdian: desazkundea beste biderik bada? Udako Euskal Unibertsitatea, Jakin Jardunaldia. 49. Udako Ikastaroak, Usurbil, 15/7/2021
4. Klimaren larrialdia, jasangarritasun ezaren seinale gorria,... baina badira beste seinale batzuk. Mundukide. Mondragon Corporation. 17/5/2021.
5. Jasangarritasun sozio-ekologikoa atakan LANKI kooperatiba. 30/4/2021
6. Ekonomia Ekologikoa: Etorkizunerako giltza. UHEZI. *Etorkizun jasangarrietarako diseinua: hiri bizigarriak.* Mondragon Unibertsitatea. 10/2/2021
7. Una Mirada crítica ante la crisis socio-ecológica: Nuevos retos, viejos dilemas. Keynote. Ciclo debate ODS. Una llamada a la acción. Arte ante la crisis eco-social. La Madraza, Universidad de Granada, 23/3/2021. ([link](#))
8. El valor de la naturaleza ante la crisis socio-ecológica actual: Preparativos para salir de la era pandémica. Club de Roma. Euskadi. 19/2/2021 ([link](#))
9. Towards a pluralistic framework about nature and its contributions for human wellbeing. Ecosystem Services Partnership Latin America Conference. 27/11/2020. Plenary talk. ([link](#))
10. "Volver a tierra. Políticas y ecosistemas".VI encuentro Cultura y Ciudadanía. Ecologías. Ministerio de Cultura y Deporte. San Sebastian. 11/11/2020 ([link](#))
11. Social-ecological crisis and post-growth era. HEGOA. 29/20/2020. ([link](#))
12. Levers and Obstacles for social-ecological transformation. Intensive Programme on Sustainable Societies. 2020 theme: A sustainable Europe? Society, politics and culture in the Anthropocene, Universidad de Deusto 22/6/2020
13. El papel de la biodiversidad para una reconstrucción en clave verde. Fundacion Biodiversidad. Ministerio para la Transición Ecológica. 4/6/2020. ([link](#))
14. The messy business of valuing biodiversity and the risks of pragmatism (Keynote). World Economic Forum. Davos, Switzerland. 25/2/2020.
15. Building social-ecological resilience in coastal fishery management. International symposium on fisheries reform in Japan. University of Tokyo, Japan. 21/2/2020.

16. Transdisciplinary sustainability research: Opportunities and challenges in the quest for social-ecological resilience. Naraha, Fukushima, Japan. 17/2/2020
17. Una mirada ante el espejo de la crisis climática. Jornadas aulas de la Tercera Edad. Diputación Foral de Álava. Vitoria-Gasteiz. 10/2/2020.
18. Reflexions per al debat sobre biodiversitat i economia (Ideas for a debate about biodiversity and the economy). Col·legi d'Economistes de Catalunya. Barcelona, 15/1/2020.
19. Sustainability Science in the age of fear. Colloquium on sustainable development. University of Bern. 17/12/2019
20. The climate crisis and degrowth. Ecological Sustainability Forum. Hegoa. University of the Basque Country UPV-EHU. Bilbao. 9/12/2019
21. The role of big data for biodiversity conservation. XIII Congreso Nacional de Periodismo Ambiental. APIA. Madrid 27-28 Nov 2019.
22. The role of relational values in agri-environmental programs. Delivering the Blueprint for a Green Economy, 30 Years On. OECD & Cambridge Conservation Initiative. 19/9/2019. Cambridge University, Cambridge, UK.
23. The importance of the IPBES Global Assessment in the current economic context. *Catalunya perd biodiversitat i necessitem un canvi*. Institut d'Estudis Catalans. Barcelona. 21/6/2019.
24. A synthesis of the main results of the IPBES Global Assessment. Stop Pérdida de Biodiversidad. Fundacion Biodiversidad, Madrid. 19/6/2019
25. Values, where art you? Centre for Development and Environment, University of Bern, Bern, Switzerland. 7/11/2018.
26. The environmental justice implications of addressing “off-stage burdens” in ecosystem assessments. Keynote at workshop on “Environmental Justice in Governing Telecoupled Systems”. University of Bern, Bern, Switzerland. 7/11/2018.
27. Recognizing the diversity of the values of nature: The key for sustainability. Conviure amb la diversitat dels valors de la natura: la clau per a la sostenibilitat. Red de Custodia del Territorio. Institut d'Estudis Catalans. Barcelona, 6/11/2018. (opening keynote)
28. Nature's contributions to people and ecosystem services for human well-being. What is the difference? . ATREE. Bangalore. 5 October 2018.
29. Nature's contributions to people for a good quality of life: Theory, evidence and policy implications. Addis Abeba. 4 June 2018.
30. The evolution of ecosystem services framing. Ecosystem Services for Poverty Alleviation (ESPA) Annual Science Conference – Eight years of sustainability. Edinburgh. 29/11/2017. ([link](#))
31. Understanding motivations for stewardship: Relational values across scales. Plenary keynote at the Resilience Conference.: Resilience Frontiers for Global Sustainability. Stockholm, Sweden. 22/8/2017.
32. Valuing nature's contributions to people: A long road from pluralistic framing to policy impact. Plenary Keynote at the Conference of the European Society for Ecological Economics (ESEE. Budapest, Hungary 22/6/2017 ([link](#))
33. Global sustainability through the ecosystem services lens: are we missing something? Invited seminar at the International Environment and Development Studies (IEDS) de la Norwegian University of Life Sciences (NMBU), Norway. 14/6/2017
34. Reflexiones sobre el papel de la ciencia ante la pérdida global de la biodiversidad. Universidad de Jaén. Jaén. 25/4/2017. Keynote.
35. Diverse conceptualization of values: the IPBES approach. Intergovernmental platform on biodiversity and ecosystem services IPBES. 5th Plenary. Stakeholder day. Bonn. Germany. 6 March 2017.
36. Ecological economics as a necessary tool for a just transition amidst an intertwined economic and ecological crisis (In Basque: Ekonomia ekologikoa: Krisi ekonomikoa eta ekologikoaren aurrean, justiziazko trantsizio baterako beharrezko tresna). Zabalik Elkartea. Donapaleu Saint Palais. Behe Nafarroa. France. 16/2/2017.
37. Nature's contributions to people (NCP): Evolution of concepts and categories, and a system for reporting in the context of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES). Capacity development writing workshop for IPBES experts from Central Europe, Eastern Europe and Central Asia, Antalya, Turkey. 30/1/2017.

38. Nature's contributions to people (NCP): Evolution of concepts and categories, and a system for reporting in the context of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES). 1st IPBES Fellows meeting. Bilbao, 18/1/2017.
39. Planetaren Ekonomia: Klima aldaketaren erronka eta gako batzuk. Jakiunde Academia de las Ciencias de Euskadi. University of Deusto. 13-1-2017.
40. Los retos de la agricultura ante el reto Global del cambio climático. Jornada sobre Agricultura y Ganadería en Transición. Museo Artium. Diputación Foral de Álava. Vitoria-Gasteiz. 14/12/2016
41. Power relations in mainstreaming biodiversity. 3rd International science for biodiversity forum: Mainstreaming Biodiversity for wellbeing: Contributions from Science. Convention of Biological Diversity. Cancun, Mexico. 1/12/2016. <http://cop13.mx/en/sciencefor-biodiversity-forum/meet-the-speakers/>
42. El papel del marco de los servicios ecosistémicos en el largo viaje hacia la sostenibilidad. [XII Jornada CREAF SCB ICHN](#) 8/4/2016.
43. The value of nature's contributions to people: The IPBES approach. 3rd International science for biodiversity forum: *Mainstreaming Biodiversity for well-being: Contributions from Science. Convention of Biological Diversity .Cancun, Mexico. 2/11/2016*
44. Quo Vadis PES? Equity and Efficiency in Payments for Ecosystem Services.. Seminar series on *Biodiversity, Environmental Justice and innovative public policy* . Université Catholique de Louvain. Belgium 29/11/2016
45. "Suarekin Jolasean – Jugando con fuego: El cambio climático a debate". Keynote. Zigoitia Council. 21/12/2015
46. "Long walk to sustainable development: A stop over in the ecosystem services framework". CREAF, la Societat Catalana de Biologia (SCB) & la Institució Catalana d'Història Natural (ICHN). Institut de Estudes Catalans. Barcelona, 18/11/2015.
47. "The need for valuation of ecosystem services and biodiversity for policy making under climate change". Les Scenarios de la Biodiversité à L'heure du Changement Climatique. Foundation pour la Recherche sur la Biodiversité (FRB). IPCC and IPBES experts. Paris. 1 October 2015. Keynote.
48. "Using framed field experiments to unravel motivations for collective action: An example of Payments for Ecosystem Services for agro-biodiversity conservation". Workshop on Comparative (Framed) Field Experiments on the Environment (COFFEE). Universitat Autònoma de Barcelona. Barcelona, 18-20 May 2015.
49. "Social equity in environmental governance and why it matters". International Institute for Environment and Development, IIED. London, 26-27th March, 2015.
50. "Payments for Ecosystem Services for biodiversity conservation through collective action: A Network approach". Atelier Réseaux Trophiques 2 (ART2) - 'Reconciling social, economic and ecological complexity in agroecosystems' 11-12th February, 2015. AgroNaples INRA. Paris, France.
51. "To value or not to value? That is not the question". Comisión Nacional para el Conocimiento y Uso de la Biodiversidad (CONABIO). Mexican Government. Mexico City, 22 January 2015.
52. "Can we save agrobiodiversity by paying farmers? Insights from a field experiment in the Andes?" 3rd International Conference on Biodiversity and Food Security – From Trade-offs to Synergies. Aix en Provence. 29-31 October, 2014.
53. "Diversitas contribution to policy, assessment and observations". Diversitas Celebration. Sevilla 30 Sept 2014. Sevilla. Spain.
54. "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.
55. "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.
56. "What is the value of soil biodiversity?" Keynote. 4th Conference of Biodiversity of Spain. February 6-8, 2013.
57. Cost-benefit analysis and the provision of ecosystem services: A justice critique. Just ecosystem Management. Ecosystem Services and Poverty Alleviation Programme, UK. University of East Anglia. Norwich 29-30 Oct, 2012.

58. 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.
59. 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
60. 'The ecosystem service approach to inform the economics of climate change research: Recent developments'. UPV-EHU summer school. Donostia July 11, 2012.
61. "Economía y Medio Ambiente" Instituto Geográfico Vasco INGEBA. Donostia-San Sebastian. May 2, 2012.
62. "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.
63. "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.
64. "Agrobiodiversity in support of sustainable agricultural intensification and livelihood resilience". Panel member. 2nd Resilience 2011 Conference. Tempe, Arizona, USA. March 2011.
65. "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.
66. "Valuation and justice in ecosystem management". Ecosystem Services and Poverty Alleviation (ESPA). University of East Anglia, Norwich, UK. January 2011.
67. "Payment for Ecosystem Services: Towards and implementation strategy". International Academy of Nature Conservation Isle of Vilm, Germany. December 2010.
68. "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.
69. "*In Situ* Crop Genetic Resources (CGR) Conservation Goal Identification". UN-Food and Agriculture Organization (FAO), Rome, Italy. November, 2010.
70. "The value of ecosystem services in agriculture in the UK". UK National Ecosystem Assessment workshop. London, UK. September, 2010.
71. "Biodiversity and Ecosystem Services Framework for Cost Benefit Analysis: Recommendations from TEEB". European Commission. Environment Directorate General Environment: Brussels, Belgium. June 2010.
72. "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.
73. "Economic instruments for agrobiodiversity conservation". Bioversity International Workshop. Puno, Peru. September 2009.
74. "The Economics of Ecosystem Services and Biodiversity, TEEB". European Joint Research Centre, Ispra, Italy. July 2009.
75. "Payment for Agrobiodiversity Conservation Services". M.S. Swaminathan Research Foundation. Chennai, India. May 2009.
76. "Relationship on Ecosystem Services and Biodiversity: Implications for Economic Analysis". European Commission, Natural and Environmental Research Council, Centre for Population Biology, UK. April, 2009.
77. "Sub-global Assessment of *Satoyama* and *Satoumi* in Japan". United Nations University Institute of Advanced Studies (UNU-IAS). Kyoto, Japan. March, 2009.
78. "Payment for Ecosystem Services: can we think of PES for agriculture?" Bioversity International. Rome, Italy. February 2009.
79. "The Foundations of the Economics of Ecosystems and Biodiversity". University ZEF, Bonn. January, 2009.
80. "Investing in agrobiodiversity for sustainable livelihoods". Divesitas International. San Cristobal de las Casas (Mexico). November, 2008.
81. "The economics of agrobiodiversity loss under climate change". University California Davis, Davis, USA. April. 2008.
82. Scale effects and impacts of organic farming on farm resource use and economic performance. RELU, UK. March, 2008.

83. "Nippon Science Assessment Panel (NSAP) Meeting for the Sub-global Assessment of Satoyama and Satoumi in Japan". United Nations University, Yokohama. Japan. November, 2007.
84. "Modelling agricultural liberalization and poverty in Mexico". Department of Economics, University of the Basque Country. Bilbao, Spain. May, 2007
85. "The economics programme of Bioversity International", Rome, Italy. January 2007
86. Modelling shifting cultivation and livelihood diversification. DepT, University College London, UK. 2006.
87. Economics of biodiversity loss across agricultural intensification gradients. International Centre for Agroforestry Research Workshop. Sumatra, Indonesia. 2006.
88. "The sustainable livelihoods framework: A new consensus for a policy research agenda?" Cambridge Environment Initiative Workshop, University of Cambridge, UK. 2006.
89. "Integrated analysis of scale effects in alternative agricultural systems". Sheepdrove, UK. May 2006.
90. "The economics of slash-and-burn and poverty in Latin America". Universidad Pública de Navarra, UPNA. Facultad de Economía. Pamplona, Spain. 2005
91. "The link between rural poverty and off-farm labour diversification by small peasant households in Mexico". Universidad Autónoma de Barcelona. Barcelona, Spain. 2005.
92. "Greening Agriculture through agrobiodiversity" Diversitas International. Paris, France, February 2005.
93. "Greening Agriculture: Biodiversity conservation during agricultural transitions towards Sustainability", Diversitas International. Alexandria, Egypt. May 2004.
94. "Land degradation and development in Mexico". Universidad Autónoma de Barcelona. Spain. 2004.
95. "An econometric model of off-farm labour and land degradation in Mexico", School of Economic Studies, University of Manchester, UK. 2003.
96. "Revisiting the ecological-economic efficiency of shifting cultivation systems in the tropics", Centre for Comparative Perspectives, Yale University, Yale, USA. 2001.
97. "Ecological-economic modelling of slash-and-burn agriculture". Seminar. Centre for Development Research (ZEF), University of Bonn. Bonn, Germany. 2001.
98. "The economics of deforestation and soil degradation in Mexico". Inter-American Institute for Global Change. Mérida, Mexico. 2000.
99. "Biodiversity conservation and economic development. Some thoughts and bolts". 1st Biodiversity and Economic Development Symposium. Merida, Mexico. 1998.
100. Peasant economics and soil degradation in developing countries. Basque University summer school, Pamplona, Spain. 1998.

25. 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 nuts 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 (Asociacion Latinoamericana de Sociologia 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-Espiniera)
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-Espiniera)
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).