

Dr. UNAI PASCUAL
Curriculum Vitae



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Department of Land Economy
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VITAE

- 2003-: Permanent Lecturer/Associate Professor, Department of Land Economy, University of Cambridge and Senior Fellow/Director of Studies in Land Economy at Homerton College, Cambridge.
- 2001-03: Lecturer, School of Economic Studies (University of Manchester)
- 2002: Ph.D. Environmental Economics (University of York)
- 1998: MSc Environmental Economics (University of York)
- 1996: BA Economics, Faculty of Economics (University of the Basque Country, Bilbao)

PRIZES AND AWARDS

- 2003: KM Stott Prize for the best PhD in Environmental Economics. University of York. UK
- 1998: Four year funding to undertake research in environmental economics by the University and Education ministry of the Basque Country

CURRENT RESEARCH PROJECTS

- 2005-09: Co-investigator: An integrated analysis of scale effects in alternative agricultural systems; RELU (ESRC/BBSRC/NERC); (Co-PI, 800,000 GBP).
- 2004-05: Co-investigator: Building capacity to investigate the potential role of sustainable intensification in agro-ecological systems; RELU (ESRC/BBSRC/NERC), RES-224-25-0095 (Co-PI, 50,000GBP)

PROFESSIONAL MEMBERSHIPS & ASSOCIATIONS

- Elected Member of the Board of the European Society of Ecological Economics (2006-09)
- Member of the Scientific and Technical Advisory Panel to the Global Environmental Facility (2007-09)
- Scientific Adviser for the International Foundation for Science (IFS) (2005-present)
- Member of the Scientific Committee on Agrobiodiversity program of DIVERSITAS (2006-09)
- Member of the Nippon Science Assessment Panel (NSAP) for the Sub-global Assessment (SGA) of *Satoyama* and *Satoumi* in Japan (2007-2010)
- Co-director of the Environment and Policy Research Group, University of Cambridge.
- Associate senior researcher at Centre for Law & Economics for Environment & Development (C-LEED), University of Cambridge; and the Centre for Agriculture, Food and Resource Economics (CAFRE), University of Manchester.
- Regular member of: International Society of Ecological Economics, European Association of Environmental Economics, International Association of Agricultural Economics, BIOECON

ACADEMIC REFEREEING

- Associate (guest) Editor: *International Journal of Ecological Economics & Statistics*; *African Journal of Agricultural Research*
- Co-editor of a special issue on Agrobiodiversity, for *Agriculture, Ecosystems & Environment* (2007)

- Referee for following journals: *American Journal of Agricultural Economics*, *Journal of Environmental Economics and Management*, *American Journal of Agricultural Economics*, *European Journal of Agricultural Economics*, *Land Economics*, *Ecological Economics*, *Environment and Development Economics*, *World Development*, *Journal of Agricultural Economics*, *Geographical Journal*, *Regional Studies*, *Forest and Policy Economics*, *Agroforestry Systems*, *AMBIO*, *Environment Conservation*, *Ecology and Society*, *Revista Iberoamericana de Economía Ecológica*, *Latinoamericanist*.

CONFERENCE SCIENTIFIC COMMITTEE

- 2006 - 8th BIOECON Conference Scientific Committee member
- Asociación Hispano-Portuguesa de Economía de los Recursos Naturales y el Medio Ambiente (AERNA (AERNA) 2008

CONSULTING ON ENVIRONMENT & DEVELOPMENT

WCMC, UNEP (www.UNEP.org), ERM (www.ERM.com), NAIDER (www.NAIDER.com), IKT (www.IKT.es), LABEIN TECNALIA (www.labein.es).

TEACHING EXPERIENCE

- Teaching experience:
 - 2007: Guest lecturer in environmental Economics (PhD level).
 - University of the Basque Country
 - Autonomous University of Santo Domingo (Dominican Republic.)
 - 2004-07: Lecturer at the University of Deusto, Bilbao, Basque Country.
 - 2004: Lecturer at the Universidad Autónoma de Barcelona, Catalonia.
 - 2001: Lecturer at the National University of La Pampa, Argentina.
- Visiting scholar:
 - 2000: Economics and Finance department, University of Wyoming, USA
 - 1998: Natural Tropical Resource Conservation and Management department, Autonomous University of Yucatán, Mexico.

PUBLICATIONS

Refereed papers

- 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.
- Pascual, U. and Perrings, C. (2007). Developing incentives and economic mechanisms for in-situ biodiversity conservation in agricultural landscapes. *Agriculture, Ecosystems and the Environment*. 121: 256–268.
- Jackson, L.E. Bawa, K.S., Brussaard, L., Pascual, U. and de Ruiter, P. (2007). Biodiversity in agricultural landscapes: Investing without losing interest. *Agriculture, Ecosystems and the Environment (editorial)*. 121: 193-195
- Jackson, L.E. Pascual, U. and Hodgkin, T. (2007). Utilizing and conserving agrobiodiversity in agricultural landscapes. *Agriculture, Ecosystems and the Environment*. 121: 196-210.
- Pascual, U. and Martínez-Españeira, R. (2007). Second-best policy options against poverty and environmental degradation in forest based agricultural systems. *Economía Agraria y Recursos Naturales*.

- Pascual, U. and Barbier, E.B. (2007). On price liberalization, poverty and shifting cultivation: An example from Mexico. *Land Economics*, 83(2).
- 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. (editorial)
- Pascual, U. and Barbier, E.B. 2006. 'Deprived Land-Use Intensification in Shifting Cultivation: The Population Pressure Hypothesis Revisited', *Agricultural Economics*, 34: 155-165.
- Rodríguez, L.C., Pascual, U. and Niemeyer, H.M. 2006. 'Peasant communities' cultural domain and the local use-value of plant resources: the case of *Opuntia* scrublands in Ayacucho, Peru', *Ecological Economics*. 57: 30-44.
- Pascual, U. and Konchak, W. 2006. 'Changing paradigms for a co-evolutionary environmental limit discourse', *Environmental Science and Policy* 9(1):10-21.
- Pascual, U. 2005. 'Land-use intensification potential in slash-and-burn farming through improvements in technical efficiency', *Ecological Economics*. 52:497-511.
- Rodríguez, L.C., 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.
- Pascual, U. 1998. 'Peasant economics and soil degradation' UZTARO, *Social Science Journal*, 35, pp: 19-31 (in Basque).

Books

- Kontoleon, A., U. Pascual, and T. Swanson (2007): 'Biodiversity economics'. Cambridge University Press, Cambridge, UK ([link](#)).
- Kontoleon, A., U. Pascual, and M. Smale (Eds): 'Agrobiodiversity and Development Economics'. Forthcoming. Routledge.
- Shah, A., U. Pascual and J. Bandyopadhyay (Eds): 'Water, Agriculture and Sustainable Well-being'. Forthcoming, Oxford University Press.

Chapters in books

- Jackson, L., Bawa, K., Brussaard, L., Pascual, U., Perrings, C., de Ruiter, P. (forthcoming). 'Agrobiodiversity'. In: Levin, S. (Ed), *Encyclopaedia of Biodiversity*. Elsevier.
- 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.
- Pascual, U. and Rigby, D. (in press). 'Values and Limits: Debates around the Economics of the Environment' (in Allington and McCombie, eds): "Cambridge Essays in Applied Economics" Chapter 9. Cambridge University Press.
- Perrings, C. Baumgärtner, S., Brock, W.A., Chopra, K., Conte, M., Costello, C., Kinzig, A.P., Pascual, U., Polasky, S., Tschirhart, J., Xepapadeas, A. (forthcoming) The Economics of Biodiversity and Ecosystem Services, in: Naeem, Bunker, Hector, Loreau and Perrings, eds.): "Biodiversity, Ecosystem Functioning and Ecosystem Services". Oxford University Press

Barbier, E.B., Baumgartner, S., Chopra, K., Costello, C., Hassan, R., Kinzig, A., Lehman, M., Pascual, U., Perrings, C., Polasky, S. (forthcoming). The Valuation of Ecosystem Services, (in: Naeem, Bunker, Hector, Loreau and Perrings, eds.): "Biodiversity, Ecosystem Functioning and Ecosystem Services". Oxford University Press.

Brock, W.A., Kinzig, A.P., Pascual, U., Perrings, C., Tschirhart, J., Xepapadeas, A. (forthcoming). Modeling Biodiversity and Ecosystem Services in Coupled Ecological-Economic Systems. (in: Naeem, Bunker, Hector, Loreau and Perrings, eds.): "Biodiversity, Ecosystem Functioning and Ecosystem Services". Oxford University Press

Selected Research Reports

Jackson, L., Bawa, K., Pascual, U., Perrings, C., 2005. 'AgroBIODIVERSITY: A new science agenda for biodiversity in support of sustainable agroecosystems', DIVERSITAS report No. 4. Paris, France, 40 pp.

Selected Discussion Papers

Pascual, U. and Barbier, E.B. (2005). "On-and off-farm labor decisions by slash-and-burn farmers in Yucatan, Mexico". Environmental Economy and Policy Research discussion paper series, N. 6.2005. Land Economy Department. University of Cambridge.

Martinez, R. and Pascual, U (2003): "Price Policies for Land Conservation in Slash-and-Burn Farming with Flexible Labour Entry-Exit Decisions." Discussion Paper. Department of Economics, St Francis Xavier University.

Pascual, U. and Barbier, E.B (2001): "A Model of Optimal Labour and Soil Use with Shifting Cultivation", in: Note di Lavoro Resources Management Series, Paper N. 83.01. FEEM, Fondazione Eni Enrico Matei, Milan.

Selected presentations at international conferences

2006

- International Association of Ecological Economics. Delhi, India.
- World Conference of the Association of Environmental and Resource Economists, Kyoto, Japan
 - Biodiversity and Productivity in Intensive Arable Systems, paper invited for the ISEE symposium
- BIOECON, Kings College, Cambridge.

2005

- European Association of Agricultural Economists
 - Modelling the Productivity Effects of Agro-Biodiversity in Intensive Agriculture (with N.P. Russell and A. Omer)
- European Society of Ecological Economics (ESEE), Lisbon, Portugal:
 - "Bioprospecting contracts under legal and institutional uncertainty" (with P. Stromberg)
 - "Evaluating the validity of the Benefit Transfer approach: The case of manatee protection in Florida and Puerto Rico" (with G. García and A. Kontoleon)
- BIOECON, Kings College, Cambridge:
 - The stake of contract uncertainty in bioprospecting (with P. Stromberg)

2004

- International Society of Ecological Economics (ISEE), Montreal, Canada:
 - "Biodiversity prospecting in tropical India: Estimating an optimal compensation for indigenous knowledge holders" (with V. Krishna)
 - "Peasant communities' cultural domain and the local use-value of plant resources: the case of Opuntia scrublands in Ayacucho, Peru" (with L.C. Rodríguez)

- "Land clearance and social capital in mountain agro eco system: the case of Opuntia scrublands in Ayacucho, Peru" (with L.C. Rodríguez)
- "The Porter Hypothesis – An exemplar for a new age of environmentalism" (with W. Konchak)
- BIOECON, Kings College, Cambridge:
 - "Biodiversity prospecting in tropical India: Estimating an optimal compensation for indigenous knowledge holders" (with V. Krishna)

2003

- International Association of Agricultural Economists (IAAE). Durban, South Africa
 - "Modelling land degradation in low-input agriculture: The 'Population Pressure Hypothesis' revisited" (with E.B. Barbier)
 - "Does Loss of Biodiversity Compromise Productivity in Intensive Agriculture?" (with N. Russell and A. Omer)
- European Association of Environmental and Resource Economists (EAERE), Bilbao, Basque Country:
 - "Agricultural Intensification and Biodiversity Loss: Is There an Agri-EKC?" (with N. Russell and A. Omer)
 - "Integrated Policy Options for Land Conservation and Rural Poverty Alleviation: A System Dynamics Approach". (with R. Martínez-Espinera)
- UK Agricultural Economics Society. University of Plymouth, UK
 - "Does Loss of Biodiversity Compromise Productivity in Intensive Agriculture?" (with N. Russell and A. Omer)

2002

- World Conference on Natural Resource Modeling (NRM). Lesvos, Greece:
 - "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" (with R. Martínez-Espinera)
- UK Agricultural Economics Society Conference, Harper Adams, UK:
 - "Soil Degradation and Technical Efficiency in Shifting Cultivation: Applying Stochastic Production Frontier to agriculture in Yucatan (Mexico)"

2001

- European Association of Environmental and Resource Economists (EAERE), Southampton, UK.
 - "Determinants of labour supply by shifting cultivator households: the effect of land quality and poverty" (with E.B. Barbier)
- International Society of Ecological Economics (ISEE), Sousse, Tunisia:
 - "Private Property Vs. the Ejido Sector in Yucatan. Technical Efficiency Effects in Traditional Slash-and-Burn System".

2000

- European Association of Environmental and Resource Economists (EAERE), Crete, Greece
 - "A model of optimal labour and soil use with shifting cultivation"

Selected seminar and workshop presentations

2007: Department of Economics, University of the Basque Country. 2006: Department of Economics, University College London. 2005: Economics Department, Public University of Navarra; Environment Department, Autonomous University of Barcelona. 2004: DIVERSITAS: Alexandria, Egypt; Department of Applied Economics: Autonomous University of Barcelona; 2003. Department of Land Economy, University of Cambridge, UK. 2001: Centre for Comparative Perspectives, Yale University, New Haven. 2000: Centre for Development Research (ZEF), University of Bonn, Germany; Inter-American Institute for Global Change Research workshop. Mérida, Mexico.

December, 2007