

Curriculum Vitae

Erik N. Gómez Baggethun

Personal data: Erik N. Gómez-Baggethun: Born Madrid, 8 July 1980. Nationality: Spanish and Norwegian.

Affiliations: Research fellow at the Institute of Environmental Science and Technology, Building C5b impares, 1st floor, Faculty of Sciences-Campus de la Universitat Autònoma de Barcelona 08193-Bellaterra Cerdanyola del Vallés, Spain. Tel +34 935868550; Fax +34 935863331; e-mail: erik.gomez@uab.es; <http://icta.uab.es>

Associate research fellow at the Social-Ecological Systems Laboratory, Departamento of Ecology, C/ Darwin 2, Edificio de Biología, C-201, Universidad Autónoma de Madrid, Cantoblanco 28049-Madrid, Spain. Tel +34 914978008; Fax +34 914978001; e-mail: erik.gomez@uam.es; <http://www.uam.es/gruposinv/socioeco/>

Research interests: General: ecological economics; political ecology; institutional theory. Specific: ecosystem service accounting and valuation; Payments for Ecosystem Services; resilience analysis; adaptive management

Language skills: Spanish (native); Norwegian (advanced level); English (expert level); French (advanced level).

RESEARCH POSTS AND ACTIVITIES

2010-2011. Post-doc research fellow at the Institute for Environmental Science and Technology. Autonomous University of Barcelona. Barcelona, Spain.

2005-2010. Researcher at the Department of Ecology of Universidad Autónoma de Madrid.

Since 2008. Environmental consultant in the fields of accounting and valuation of ecosystems services, market based instruments in environmental policy and conservation, and resilience theory.

QUALIFICATIONS

2010. *PhD* in Ecology and Environmental Sciences at the Universidad Autónoma de Madrid, supervised by Professor Carlos Montes (UAM) and Professor Rudolf de Groot (Wageningen University).

2005. *Certificate of Teaching Competency* at Instituto de Ciencias de la Educación, Universidad Complutense de Madrid, Spain.

2004. *Diploma de Estudios Avanzados* (equivalent to MSc) in Ecology and Environmental Sciences at the Universidad Autónoma de Madrid, Spain (2003-2004).

2003. *Diplôme d'Etudes Universitaires Françaises* (DEUF) at the École Supérieur Européen: Ingénierie de l'Espace Rural (IER) at Université Jean Moulin Lyon III, Lyon, France.

2003. *Licenciatura* in Environmental Sciences at Universidad Autónoma de Madrid, Spain.

STAYS ABROAD

2011. Visiting research fellow at the Norwegian Institute for Environmental Research, Oslo Centre for Interdisciplinary Environmental and Social Research, Oslo, Norway (August-September).

2008. Visiting research fellow at the Stockholm Resilience Centre, Stockholm University. In collaboration with Professors Per Olsson and Carl Folke. Stockholm, Sweden (September-December).

2007. Visiting research fellow at the Environmental Systems Analysis Group, Wageningen University. In collaboration with Professor Rudolf De Groot. Wageningen, The Netherlands (March-May).

2004. Working stays at the Nature Conservation Department, Oppland, Norway, May-August 2003 and at the Rondane National Park, Hedmark, Norway (July-September).

2003. Erasmus student at the École Supérieur Européen: Ingénierie de l'Espace Rural (IER), at the Université Jean Moulin Lyon III. Lyon, France, (September 2002 - May 2003).

ADDITIONAL TRAINING

Advanced and specialization courses

2008. Methods and tools for environmental appraisal and policy formulation. Emerging Theories and Methods in Sustainability Research, Marie Curie Summer School. Faculty of Sciences and Technology, Lisbon, Portugal, May 26-June 6.

2007. Institutional Analysis of Sustainability Problems. Emerging Theories and Methods in Sustainability Research, Marie Curie Summer School. Slovak Academy of Sciences, Tsarà Lesná, Slovakia, 18-29 June.

2007. Integrated Assessment in Regional Planning and Management. University of Wageningen, Wageningen, The Netherlands, March 05-April 15.

2006. Analysing Complexity. Emerging Theories and Methods in Sustainability Research, Marie Curie Summer School. Universidad Autónoma de Barcelona, Barcelona, Spain, 7-17 June.

2006. Critical dimensions for a sustainable territorial planning in South Europe: tendencies, situation and future perspectives. Transnational Seminary ESPON (ECP). Spanish Ministry of the Environment, Spanish Sustainability Observatory, Universidad de Alcalá de Henares, Madrid, Spain, May 2006.

2004. Advanced seminar in integral water management by river basins. Azahar Program. Spanish Ministry of the Environment and Spanish International Cooperation Agency, Universidad de Alcalá de Henares, Madrid, Spain. June 2004.

2004. PhD Courses in Ecology and Environmental Sciences. Interuniversity Department of Ecology, Universidad Alcalá de Henares, Universidad Autónoma de Madrid and Universidad Complutense, Spain.

2003. Advanced Course on Recovering, recycling, regeneration and destruction of substances that deplete the ozone layer. Spanish Ministry of the Environment, Balsaín, Spain, February 2003.

PRIZES AND SELECTED SCHOLARSHIPS

2011. Extraordinary prize to PhD dissertations defended in 2010, Universidad Autónoma de Madrid.

2010. European quality award to PhD dissertations 2010 for the thesis 'To Ecologise Economics or to Economise Ecology: Theoretical issues and operational challenges in ecosystem services valuation'

2006-2008. Three Marie Curie scholarships from for attending the series Emerging Theories and Methods in Sustainability Research (THEMES), Framework Program of the European Union.

2007. International mobility scholarship from the Universidad Autónoma de Madrid for a research stay at the Environmental Systems Analysis Group, University of Wageningen. The Netherlands.

2005-2010. Scholarship from the Spanish Ministry of the Environment for the realization of a PhD thesis.

PUBLICATIONS

Refereed publications

Gómez-Baggethun, E., Alcorlo, P., Montes, C. 2011. Ecosystem services associated with a mosaic of alternative states in a Mediterranean wetland: Case study of the Doñana Marsh (southwest Spain). *Hydrological Sciences Journal*, 56(8), 1–14 (in press).

Gómez-Baggethun, E., Ruiz-Pérez, M. 2011. Economic valuation and the commodification of ecosystem services. *Progress in Physical Geography* 35: 613 - 628.

Ruiz-Pérez, M., Franco-Múgica, F., González-Novoa, J., **Gómez-Baggethun, E.**, Alberruche-Rico, M.A. 2011. An institutional analysis of the sustainability of fisheries: insights from FishBanks simulation game. *Ocean and Coastal Management* 54: 585-592.

Gómez-Baggethun, E. 2011. Análisis crítico de los Pagos por Servicios Ambientales: de la gestación teórica a la implementación. *Revista Española de Estudios Agrosociales y Pesqueros* 228: 11-47.

Gómez-Baggethun, E., Mingorría, S., Reyes-García, V., Calvet, L., Montes, C. 2010. Traditional ecological knowledge trends in the transition to a market economy: Empirical study in Doñana natural areas. *Conservation Biology* 24:721-729.

Gómez-Baggethun, E., de Groot, R., Lomas, P., Montes, C. 2010. The history of ecosystem services in economic theory and practice: from early notions to markets and payment schemes. *Ecological Economics* 69: 1209-1218.

Gómez-Baggethun, E., de Groot, R. 2010. Natural capital and ecosystem services: the ecological foundation of human society. In: R. E. Hester and R. M. Harrison (Eds.), *Ecosystem services: Issues in Environmental Science and Technology* 30, Royal Society of Chemistry, Cambridge, pp. 118-145.

Armstrong, C., Behnin, J, Binet, T., Blignaut, J., Charles, M., Cohen-Shacham, C., Davies, J. Emrton, L., Failler, P., Foley, N., **Gómez-Baggethun, E.**, et al. 2010. Estimates of Monetary Values of Ecosystem Services. In: R. de Groot, R. and P. Kumar (Coords.), *The Economics of Ecosystems and Biodiversity, Ecological and Economic Foundations*, Earthscan, London, pp. 367-401.

Pascual, U., Muradian, R., Brander, L., **Gómez-Baggethun, E.**, Martín-López, B., Verma, Armsworth, P., Christie, H., Eppink, F., Farley, J., Loomis, J., Pearson, L., Perrings, C., Polasky M. 2010. “The Economics of Valuing Ecosystem Services and Biodiversity”. In: Kumar, P., (Ed.), *The Economics of Ecosystems and Biodiversity, Ecological and Economic Foundations*, Earthscan, London, pp. 183-255.

Martín-López, B., **Gómez-Baggethun, E.**, Lomas, P., Montes, C. 2009. Scale Effects on Cultural Services Valuation in Natural Protected Areas. *Journal of Environmental Management* 90:1050-1059.

Gómez-Baggethun, E., Kelemens, E. 2008. Linking institutional change and the flows of ecosystem services. Case studies from Spain and Hungary. In: Kluvánková-Oravská, T., Chobotova, V., Jílková, J., (Eds.), *Institutional Analysis of Sustainability Problems*, Slovak Academy of Sciences, pp. 118-145.

Submitted. **Gómez-Baggethun, E.**, Reyes-García, V., Olsson, P., Montes, C. Traditional knowledge and social-ecological resilience in response to disturbances and environmental extremes. A case study in Doñana, SW Spain. Under 1st review in *Global Environmental Change*.

Submitted. Calvet-Mir, L., **Gómez-Baggethun, E.**, Reyes-García, V. Beyond food production: Home gardens' ecosystem services. A case study in Vall Fosca, Catalan Pyrenees. Under 2nd review in *Ecological Economics*.

Other publications

De Groot, R.S., Costanza, R., Aronson, J., Burkhard, B., **Gomez-Baggethun, E.**, Haines-Young, R., Kubiszewski, I., Mueller, F., Petrosillo, I., Potschin, M., van den Broeck, D., van der Ploeg, S., Zurlini, G. 2011. Putting Ecosystem Services Science into Practice: a global Partnership on Ecosystem Services. *Solutions*. In press.

Gómez-Baggethun, E., Martín-López, B., Lomas, P., Zorrilla, P., Montes, C. 2011. Evolution of ecosystem services in a Mediterranean cultural landscape: Doñana case study, Spain (1956-2006). In Sofo, A. (Ed.), *Biodiversity*. InTech Press. pp. 27-46.

Gómez-Baggethun, E. 2011. Perspectivas del conocimiento ecológico tradicional ante el proceso de globalización. In: Cantalapiedra, S. (Ed.), *Convivir para perdurar: Conflictos ecosociales y sabidurías ecológicas*. Icaria, Barcelona, pp. 275-288.

Gómez-Baggethun, E., Martín-López, B. 2010. Costes socio-económicos asociados a la pérdida de biodiversidad. *Lychnos* 3: 68-73.

Martín-López, B., García-Llorente, M., **Gómez-Baggethun, E.**, Montes, C. 2010. Evaluación de los servicios de los ecosistemas del sistema socio-ecológico de Doñana. *Forum de Sostenibilidad* 4: 77-96.

Martín-López, B., **Gómez-Baggethun, E.**, González, J., Lomas, P., Montes, C. 2009. The assessment of ecosystem services provided by biodiversity: re-thinking concepts and research needs. In: J. B. Aronoff (Ed.), *Handbook of Nature Conservation: Global, Environmental and Economic Issues*. Nova Science Publishers, New York, pp. 261-282.

Gómez-Baggethun, E. 2009. Perspectivas del conocimiento ecológico local ante el proceso de globalización. *Papeles de relaciones ecosociales y cambio global* 107: 57-67.

Martín-López, B., **Gómez-Baggethun, E.**, Montes, C. 2009. Un marco conceptual para la gestión de las interacciones naturaleza-sociedad en un mundo cambiante. *Cuaderno Interdisciplinar de Desarrollo Sostenible* 3: 229-258.

Gómez-Baggethun, E., Rico García-Amado, L. 2009. Sostenibilidad: cultura de los límites. En: V. Ladrero (Coord.), *Claves del ecologismo social*, Libros en acción, pp. 119-124.

Gómez-Baggethun, E., de Groot, R. 2007. Capital natural y funciones de los ecosistemas: Explorando las bases ecológicas de la economía. *Ecosistemas* 16: 4-14.

SCIENTIFIC REFEREE WORK

Peer review for scientific journals and editorials

Ecological Economics (4); Ecology and Society (2); Environmental Conservation (1); Environmental Values (1); Environmental Policy and Governance (1); Futures (1); Land Use Policy (1); Cambridge University Press (1); International Forestry Review (1); Revista Iberoamericana Economía Ecológica (1).

Peer review for research funding consortiums

Natural Environment Research Council (NERC); European Support for Biodiversity Research (NetBiome).

RESEARCH THESES

2010. Gómez-Baggethun, E. To ecologise economics or to economise ecology: Theoretical issues and operational challenges in ecosystem services valuation. Doctoral dissertation, Universidad Autónoma de Madrid, Spain, and Wageningen University, The Netherlands.

2005. Gómez-Baggethun, E. Sustainability: An analysis of the prevailing and alternative paradigms through the lens of resilience theory. Msc research thesis. Universidad Autónoma de Madrid, Spain.

2003. Gómez-Baggethun, E. Diagnostique du territoire a la municipalité de Vang, Norvège. Un espace menacé pour le développement. École Supérieur Européen - Université Jean Moulin III. Lyon, France.

RESEARCH PROJECTS

International research projects

2012-2015. Urban Biodiversity and Ecosystem Services (URBES). Funded by the Pan-European call for international research projects on biodiversity and ecosystem services. Funded by BODIVERSAS (Cooperation and shared strategies for biodiversity research programmes in Europe).

2012-2015. Assessing the effectiveness of community-based management strategies for biocultural conservation (COMBIOSERVE). Funded by the 7th Framework Program of the European Union.

2010-2012. Construction ahead: The effects of roads on indigenous people's well-being and use of natural resources. A natural experiment in lowland (TIPNIS). Funded by the Cultural Anthropology Program of the National Science Foundation, United States.

2010-2011. The Economics of Ecosystems and Biodiversity (TEEB II). Funded by the United Nations Environmental Programme, the European Commission, the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety and EU Directorate General for the Environment.

2010-2011. Ecological distribution conflicts derived from economic development in the Reserve of the Biosphere Ciénaga Grande de Santa Marta: an analysis of ecosystem services from political ecology. Funded by Plan de Ciencia, Tecnología e Innovación-FONCIENCIAS, Magdalena University, Colombia.

2008-2009. European Ecosystem Assessment (EURECA). Financed by the European Environmental Agency and European Topic Centre-Land Use and Spatial Information (ETC-LUSI), European Union.

National research projects

2011-2013. Efecto de la gestión del territorio en la capacidad de la biodiversidad y el paisaje para suministrar servicios a la sociedad: evidencias en tres sistemas socio-ecológicos mediterráneos. (BIOPAIS). Funded by Ministerio de Ciencia e Innovación, Spain.

2011-2013. Factores socioculturales en la pervivencia de la recolección y consumo de plantas silvestres alimentarias y cultivos menores. Estudios de caso en la Península Ibérica y las Islas Baleares. Funded by Ministerio de Ciencia e Innovación, Spain.

2011-2013. Más allá del crecimiento del PIB: condiciones socio-económicas de un decrecimiento socialmente sostenible (CSO2011-28990) (Advisory board). Ministerio de Ciencia e Innovación, Spain.

2008-2011. Millennium Ecosystem Assessment of Spain. Funded by Fundación Biodiversidad and Ministerio de Medio Ambiente y Medio Rural y Marino, Spain.

2008-2011. Economic valuation of biodiversity and ecosystem services from transhumance: implications for the management of Mediterranean agroecosystems in the face of global change. Funded by Ministerio de Medio Ambiente, Medio Rural y Marino, Spain.

2009-2012. Managing National Parks beyond their limits: ecosystem service assessment and mapping as a tool for territorial management in the face of climate change. Funded by Ministerio de Medio Ambiente, Rural y Marino and Organismo Autónomo de Parques Nacionales, Spain.

2008-2010. Ecosystem Assessment of Bizkaia. Funded by Diputación Foral de Bizkaia and Cátedra UNESCO de Desarrollo Sostenible y Educación Ambiental de la Universidad del País Vasco, Spain.

2008-2009. The cultural dimension as a tool in cooperation for development: strategic action plans. Funded by the Spanish Agency for International Cooperation and Development (AECID), Spain.

2005-2009. Ecosystem assessment of the marshes of Doñana in the framework of the Doñana 2005 project. Funded by the Spanish Ministry of the Environment, Spain.

2004-2007. Towards a sustainable management model for the Doñana region. Funded by the Regional Government of Andalucía, Spain.

2002-2003. Landscape restoration in degraded areas of the Ecrins National Park. Rhone – Alpes, France. Funded by the Département de Rhône – Alpes and École Supérieur Européen, France.

Selected reports

2011. *Evaluación de los Ecosistemas del Milenio de España. La Evaluación de los Ecosistemas del Milenio de España. Síntesis de resultados*. Fundación Biodiversidad. Ministerio de Medio Ambiente, y Medio Rural y Marino.

2010. Barker, T., Bidoglio, G. Brander, L., Brondízio, E.S., Christie, M., de Groot, R., Elmqvist, T., Eppink, F., Fisher, B., Gatzweiler, F.W., Gómez-Baggethun, E., et al. 2010. *The economics of Ecosystems and Biodiversity (TEEB): Ecological and Economic Foundations*. Kumar, P., (coord.). TEEB report series, United Nations Environment Programme and the European Commission.

2010. Uhel, R., Spyropoulou, R., Breton, F., Beltrame, C., Arévalo, J., Richard, D., Gómez-Baggethun, E., Martín-López, B., Lomas, P., Tomas, P., Ezzine, D., Nichersu, J., Marin, J., 2010. *Ecosystem accounting and the cost of biodiversity losses: The case of coastal Mediterranean wetlands*. Haines-Young, R., Potschin, M., Kumar, P., Weber, J-L., (Eds.), European Environmental Agency, TR no 3.

CONFERENCE COMMUNICATIONS AND ASSOCIATED PAPERS

Organization tasks in international conferences

Gómez-Baggethun, E. Reyes-García, V., Corbera, E. Session: ‘Traditional Ecological Knowledge and Resilience to Global Environmental Change’. The 13th Congress of the International Society of Ethnobiology, *Cultural diversity and biological diversity for sustainable development: Exploring the past to build up the future*. Montpellier, France, 25–25 May 2012 (accepted).

Gómez-Baggethun, E. (member of the scientific committee and session coordinator). Workshop: ‘Financing mechanisms for ecosystem services, investment opportunities and economic instruments’. The 4th International Conference of the Ecosystem Services Partnership, *Ecosystem Services: integrating Science and Practice*. Wageningen, The Netherlands, 4-7 October 2011.

Gómez-Baggethun, E. (session chair). Session: ‘Valuation’. The 8th Biennial Conference of the ESEE 2011, Advancing Ecological Economics: Theory and Practice, Istanbul, Turkey, 14-17 June 2011.

Gómez-Baggethun, E. (session coordinator, chair), Chobotova, V., Kelemen, E., Vatn, A. (coordinators), 'Institutions and Ecosystem services' (Special session). The 8th Biennial Conference of the ESEE, *Transformation, Innovation and Adaptation for Sustainability – Integrating Natural and Social Sciences*. Ljubljana, Slovenia, June 29- July 2, 2009.

Invited keynote speeches

Gómez-Baggethun, E. (title tbc) Payments for Ecosystem Services and their Institutional Dimensions. *International Conference on Payments for Ecosystem Services*. 10-12 November 2011, Berlin, Germany.

Gómez-Baggethun, E., Kelemen, E. Institutional change as driver in the transformation of the flows of ecosystem services, Keynote contribution for the RUBICODE conference, *Ecosystem Services and Drivers of Biodiversity Change*, March 31-April 11 2008.

Communications in international conferences

Gómez-Baggethun, E., Bignaut, J., de Groot, D. Financing mechanisms in environmental policy and conservation. Workshop 4 of The 4th International Conference of the Ecosystem Services Partnership, *Ecosystem Services: integrating Science and Practice*. Wageningen, The Netherlands, 4-7 October 2011.

Gómez-Baggethun, E. Towards an integrative framework for the valuation of ecosystems services in monetary and non-monetary terms: lessons from TEEB. Wsp. 2 of The 4th International Conference of the Ecosystem Services Partnership, *Ecosystem Services: integrating Science and Practice*. Wageningen, The Netherlands, 4-7 October 2011.

Gómez-Baggethun, E., Alcorlo, P., Montes, C. Ecosystem services associated with a mosaic of alternative states in a Mediterranean wetland. The Doñana marsh (SW Spain) case study. Wsp. 6 of The 4th International Conference of the Ecosystem Services Partnership, *Ecosystem Services: integrating Science and Practice*. Wageningen, The Netherlands, 4-7 October 2011.

Barton, D., Gómez-Baggethun, E. Economic valuation of regulating ecosystem services: the difficult story of substitution. Wsp. 2 of the 4th International Conference of the Ecosystem Services Partnership, *Ecosystem Services: integrating Science and Practice*. Wageningen, The Netherlands, 4-7 October 2011.

Gómez-Baggethun, E. Blinding non-economic values through the commodification of ecosystem services. Special session at The 4th International Conference of the Ecosystem Services Partnership, *Ecosystem Services: integrating Science and Practice*. Wageningen, The Netherlands, 4-7 October 2011.

Gómez-Baggethun, E. The tragedy of well-intentioned valuation. International Conference *Nature™ Inc? Questioning the Market Panacea in Environmental Policy and Conservation*, The Hague, The Netherlands, 30 June – July 2, 2011.

Kallis, G. Gómez-Baggethun, E., Zografos, C. 'To value or not to value? Integrating insights from political ecology and ecological economics'. International Conference *Nature™ Inc? Questioning the Market Panacea in Environmental Policy and Conservation*, The Hague, The Netherlands, 30 June–July 2, 2011.

Gómez-Baggethun, E, Reyes-García, V. Perspectives of traditional ecological knowledge systems in the face of economic globalization. The 8th Biennial Conference of the ESEE 2011, *Advancing Ecological Economics: Theory and Practice*, 14-17 June 2011, Istanbul, Turkey.

Gómez-Baggethun, E. Methods for the accounting and valuation of ecosystem services. The 8th Biennial Conference of the ESEE 2011, *Advancing Ecological Economics: Theory and Practice*, Istanbul, Turkey, 14-17 June 2011.

Gómez-Baggethun, E., Martín-López, B., García-Llorente, M., Montes, C. 'Hidden values in ecosystems services: a comparative analysis of preference outcomes obtained through monetary and non-monetary valuation methods'. 2nd DIVERSITAS Open Science Conference, *Biodiversity and Society: Understanding connections, adapting to change*, Cape Town, South Africa, 13-16 October 2009.

Gómez-Baggethun, E., Olsson, P., Montes, C. 'Learning with crises: building resilience to secure ecosystem services in Mediterranean natural resource systems'. The 8th Biennial Conference of the ESEE: *Transformation, Innovation and Adaptation for Sustainability – Integrating Natural and Social Sciences*, Ljubljana, Slovenia, 29 June – July 2, 2009.

Kelemen, E., Gómez-Baggethun, E. 'Analysing ecosystem services across changing institutional settings'. The 8th Biennial Conference of the ESEE: *Transformation, Innovation and Adaptation for Sustainability – Integrating Natural and Social Sciences*, Ljubljana, Slovenia, June 29-July 2, 2009.

Gómez-Baggethun, E., Martín-López, B., Montes, C. 'Ecosystem valuation at the crossroad: between the transformation of standard economics and the commodification of nature'. The 10th Biennial Conference of the ISEE: *Applying Ecological Economics for Social and Environmental Sustainability*, Nairobi, Kenya, 8-11 August 2008.

Gómez-Baggethun, E., Granizo, M., Lomas, P., Montes, C. 'Institutions, knowledge and beliefs to cope with disturbance in South-Western Spain'. *Resilience, adaptation and transformation in turbulent times. International science and policy conference*, Stockholm, Sweden, 14-17 April 2008.

Gómez-Baggethun, E., Martín-López, B., Lomas, P., Montes, C. 'Ecosystem services loss from land use homogenization in Mediterranean multifunctional landscapes', The 9th Biennial Conference of the ISEE, *Ecosystem and human well-being*, Delhi, India, 15-18 December 2006.

Martín-López, B., Gómez-Baggethun, E., Lomas, P., Montes, C. 'A framework for the economic valuation of biodiversity'. The 9th Biennial Conference of the ISEE: *Ecosystem and human well-being*, Delhi, India, 15-18 December 2006.

Communications in national conferences

Zorondo-Rodríguez, F., Demps, K., Ariza-Montobbio, P., Gómez-Baggethun, E., García, C., Reyes-García, V. An Operative Definition of Quality of Life: Human Needs and Satisfiers among People from Kodagu (Karnataka, India). Poster presented at The 8th Biennial Conference of the ESEE 2011, *Advancing Ecological Economics: Theory and Practice*, Istanbul, Turkey, 14-17 June 2011.

Martín-López, B., Lomas, P., Louit, C., Gómez-Baggethun, E., Zorrilla, P. & Montes, C. 'Are we making useful science for biodiversity management?' Poster presented at The *1st International Conference of the Importance of Biodiversity to Human Health*, Galway, Ireland, 23-25 August 2005.

Gómez-Baggethun, E., Martín-López, B., Lomas, P., Zorrilla, P., Louit, C. & Montes, C. 'Resilience management towards sustainability: preserving natural capital in the Doñana social ecological system. A case study in the Mediterranean context'. Poster presented at The 6th Biennial Conference of the ESEE: *Science and Governance*, Lisbon, Portugal, 14-17 June 2005.

Gómez-Baggethun, E., Lomas, P. L. 'The economic conception of nature in historical perspective: from the incommensurability of land to the fictitious commodities'. *IV Encuentro de la Red EcoEcoEs*, Santiago de Compostela, Spain, 11-12 June 2009.

Alcorlo, P., de Toledo, J., Gómez-Baggethun, E., Baltanás, A., Bravo, M.A., Montes, C. 'Trade-off analysis of services flow associated to alternative regimes in the marshes of Doñana Natural Area'. *XIV National Conference of the Iberian Society for Limnology*, Huelva, Spain, 8-12 September 2008.

Martín-López, B, Gómez-Baggethun, E., L. Lomas, P. & Montes, C. 'Valoración de los servicios ambientales de la biodiversidad'. *1st National Conference on Global Change*, Madrid, 24-26 April 2007.

Zorrilla, P., Miras, Sastre, S., Gómez-Baggethun, E., Martín-López, B. & Montes, C. 'Pérdida de capital eco-cultural en las marismas del Guadalquivir (Doñana) en el siglo XX'. *1st National Conference on Global Change*, Madrid, Spain, 24-26 April 2007.

INVITED TALKS

International workshops and seminars

Gómez-Baggethun, E. 2011. 'Perspectives of traditional ecological knowledge systems with global market integration'. Oslo Centre for Interdisciplinary Environmental and Social Research Oslo, Norway, September 2nd 2011.

Gómez-Baggethun, E. 2011. 'Understanding, accounting, and valuing urban ecosystem services'. Oslo Centre for Interdisciplinary Environmental and Social Research Oslo, Norway, August 26th 2011.

Gómez-Baggethun, E. 'A history of ecosystem services concepts with examples from regulating services'. Workshop: The challenge of evaluating ecosystem services in biodiversity conservation policy, Norwegian Institute for Nature Research, Norway, August 25th 2011.

Gómez-Baggethun, E. 'Ethical implications of the commodification of ecosystems services'. Workshop on Ecosystem services and Ethics, Vilm, Germany, March 29 - April 3 2011.

Gómez-Baggethun, E. 'To ecologise economics or to economise ecology. Theoretical issues and operational challenges in ecosystem services valuation'. Instituto Nacional de Biodiversidad (INBio), Santo Domingo de Heredia, Costa Rica, 13 September 2010.

Gómez-Baggethun, E. 'Accounting and valuation of wetland ecosystem services: the Doñana case study'. Mediterranean Wetlands Observatory. Tour de Valat, La Camargue, France, 8 February 2010.

Gómez-Baggethun, E. 'Conceptual and methodological challenges in ecosystem services valuation'. Creating a new prosperity: Fresh approaches to ecosystem services and human well-being. Royal Geographical Society, London, United Kingdom, 4 September 2009.

Gómez-Baggethun, E. 'Classification of Ecosystem services in Mediterranean Wetlands'. International expert meeting on classification of ecosystem services. European Environmental Agency premises, Copenhagen, Denmark, 10 December 2008.

Gómez-Baggethun, E. 'Securing ecosystem services through adaptive management: Resilience to natural disturbance of traditional resource management systems in the Doñana SES (SW Spain)'. Stockholm Resilience Centre, Stockholm University, Stockholm, Sweden, 21 October 2008.

Gómez-Baggethun, E. 'Ecosystems services and the commodification of nature'. Department of Systems Ecology, Stockholm University, Stockholm, Sweden, 10 October 2008.

Gómez-Baggethun, E. 'European Ecosystem Assessment. The Doñana Case Study'. Expert meeting on ecosystem accounting for the pan-Mediterranean wetlands, DDNI, Tulcea, Romania, 15 July 2008.

National workshops and seminars

Gómez-Baggethun, E. 'The new environmental pragmatism: origins and implications of the utilitarian drift of the conservation movement'. Seminario internacional sobre la valoración económica de la

biodiversidad, oportunidades y riesgos. ¿Hay que poner precio a la biodiversidad para conservarla? Círculo de Bellas Artes, Madrid, 30 September 2011.

Gómez-Baggethun, E. 'Perspectives of community-based management and local ecological knowledge in the face of economic globalization', Jornadas de Economía y Biodiversidad. Ayuntamiento de Barcelona, Barcelona 14 April 2011.

Gómez-Baggethun, E. 'Accounting and valuation of ecosystem services: Lessons from The Economics of Ecosystem Services and Biodiversity', Universitat Autònoma de Barcelona, 2 February 2011.

Gómez-Baggethun, E. 'To ecologise economics or to economise ecology: a critical analysis of recent trends in ecosystem services science'. ICTA seminars, Universitat Autònoma de Barcelona, February 28, 2011 12:30 hrs. Sala de Graus-ETSE.

Gómez-Baggethun, E. 'Payments for Ecosystem Services'. Conservació, etnoecologia y canvi global-Etnoecology Lab Seminars, The economic value of nature. 25th October 2010, Instituto de Ciencia y Tecnología Ambientals.

Gómez-Baggethun, E. 'Luces y sombras de la valoración económica de la biodiversidad'. Departament de Medi Ambient i Habitatge de la Generalitat de Catalunya, Barcelona, Spain, 14 October 2010.

Gómez-Baggethun, E. 'Perspectivas del conocimiento of traditional ecological knowledge systems in the face of market globalization'. Círculo de Bellas Artes, Madrid, 13 June 2010.

Gómez-Baggethun, E. 'Living with crises: local practices to cope with disturbance in the Doñana socialecological system'. Universidad Pablo Olavide, Sevilla, 15 April 2010.

Gómez-Baggethun, E. 'Methods for the accounting and valuation of natural capital and ecosystem services', department of Climatic Change of the Spanish ministry of the Environment. Rectorado de la Universidad Autónoma de Madrid, 29 November 2009.

Gómez-Baggethun, E. 'Ecosystem services generated by the natural capital of Doñana'. Confederación Hidrográfica del Guadalquivir, Seville, Spain, June 2007.

Gómez-Baggethun, E. 'Coping with disturbance. Past and future of the dialectic adaptation versus control in Doñana'. Naturaleza y Cultura. Respuestas Humanas a las Crisis Ambientales. Universidad Autónoma de Barcelona (UAB)-Instituto de Ciencia y Tecnología Ambiental (ICTA), Barcelona, April 2007.

RESEARCH SUPERVISION

PhD theses supervision

Zorondo, F. 'Contribution of Natural Capital to the Quality of Life: Case study among tribal people from Kodagu district (Karnataka), India'. Supervised by Victoria Reyes-García and Erik Gómez-Baggethun. Institute for Environmental Science and Technology-UAB (ongoing).

Master theses supervision

Gaitan, D. 'Conserving beyond boundaries: quantifying, valuating and financing ecosystem services'. Supervised by Rudolf de Groot and Erik Gómez-Baggethun. Wageningen University-Universidad Autónoma de Madrid-Institute for Environmental Science and Technology-UAB 2010-2011.

Saus, M. 'Conocimiento ecológico tradicional asociado a la actividad trashumante en la cañada real'. Supervised by Victoria Reyes-García and Erik Gómez-Baggethun. Institute for Environmental Science and Technology-UAB, 2010-2011.

Sanosa, P. 'Diagnóstico de la incorporación del conocimiento ecológico tradicional asociado a la actividad trashumante para la gestión de áreas protegidas: estudio de caso de la Cañada Real Conquense y el Parque Natural del Alto Tajo', University-Universidad Autónoma de Madrid-Institute for Environmental Science and Technology-UAB 2011-2012.

Degree theses supervision

Mingorría, S. 'Evaluación del estado y tendencias del conocimiento ecológico local en la adaptación al régimen de perturbaciones de Doñana'. Supervised by Carlos Montes and Erik Gómez-Baggethun. Degree in Environmental Sciences. Universidad Autónoma de Madrid, 2008.

Jiménez, T. 'Evaluación de los servicios de los ecosistemas generados por los ecodistritos de marisma y estuario de Doñana'. Supervised by Carlos Montes and Erik Gómez-Baggethun. Degree in Biology. Universidad Autónoma de Madrid, 2008.

Granizo, M. 'Análisis de las perturbaciones naturales y de la resiliencia en el sistema socio-ecológico de Doñana (1580-1995)'. Supervised by Carlos Montes and Erik Gómez-Baggethun. Degree in Environmental Sciences. Universidad Autónoma de Madrid, 2007.

TEACHING AND LECTURING

Facilitation of advanced courses

2011. *Economics for water ecosystem services management*. Module: The economics of Ecosystems and Biodiversity project. Seville, Spain, 19-21 May (1 h).

2011. *Dams impact, ecosystem services and sustainable hydropower*. The economic valuation of ecosystem services. Podgorica, Montenegro, 7-9 April (6 h).

2011. *Erasmus BIO CULTURE* course on Bio Cultural Diversity: Traditional Ecological Knowledge and Global Environmental Change. Barcelona, Spain, February 27-March 12 (2 h).

2010. *Valoración económica de los servicios ambientales*. Evaluación de los servicios de los ecosistemas. Universidad Nacional de Panamá. Panama, 27 September – 1 October (4 h).

2010. *Environmental valuation of freshwater ecosystems*. Integrated assessment of ecosystem services; Monetary valuation of ecosystem services (14 h). Milocer, Montenegro, 1-2 July (14 h).

2010. *Ecosystem service assessment. Concepts, methods, and challenges*. Instituto Nacional de Biodiversidad (INBio), San Francisco de Heredia, Costa Rica, 14 September (5 h).

2010. *Accounting and valuation of freshwater ecosystem services*. Physical accounts of ecosystem functions; Monetary valuation of ecosystem services. Bosnia Herzegovina, 2-3 November (12 h).

Lecturing in master programs

2009- 2011. *Máster en Espacios Naturales Protegidos* (Master in Natural Protected Areas). Module: Environmental Governance: basic notions from institutional theory. Departamento Interuniversitario de Ecología, Madrid, 7-8 April 2009-2011 (12 h).

2011. *Máster en Ciencias de la Sostenibilidad para Gestionar el Cambio Global* (Master in sustainability science to govern global change). Universidad Internacional de Andalucía-Aula de Sostenibilidad. Module: Medio ambiente, instituciones y gobernanza global, November 2011 (8 h).

2010. *Máster en Medio Natural, Cambio Global y Sostenibilidad Socio-Ecológica*. Module: Environmental Governance and Institutions. Universidad Internacional de Andalucía Huelva, 29 September 2009 (8 h).

Lecturing in degree courses

2011. Economic valuation of ecosystem services, Universitat Autònoma de Barcelona. Degree in Environmental Sciences. Subject: Economic models applied to the environment. Barcelona (2 h).

2009. Dasometry: measurement of forestry parameters, Universidad Autónoma de Madrid. Degree in Environmental Sciences, Subject: Natural Resource Management II, Madrid, March-April (42 h).

2009. Measurement of physical and biological indicators in wetlands. Universidad Autónoma de Madrid. Degree in Biology, Subject: Ecology, Module: Measurement of physical and biological indicators in wetlands, Madrid, November-December (30 h).

2006. Institutional aspects of fishbanks, Universidad Autónoma de Madrid. Degree in Environmental Sciences, Subject: Natural Resource Management II, Madrid (18 h).

CONSULTANCY AND SCIENTIFIC ADVISORY

2011. Topic: Payments for Ecosystem Services and REDD+. Entities: Government of Costa Rica (Fonafifo), Government of Mexico (CONAFOR), and Government of Ecuador (Ministerio de Ambiente). San José, Costa Rica, 27-28 October 2011.

2011. Topic: Economic valuation of ecosystem services from freshwater ecosystems. Entity: World Wild Found, in relation to the project Living Neretva. Montenegro and Bosnia and Herzogovina.

2010. Topic: Integrated assessment of ecosystem services in Costa Rica. Entity: Instituto Nacional de Biodiversidad (INBio), Santo Domingo de Heredia, Costa Rica, September 2010.

2010. Topic: Ecosystem services provided by Mediterranean Wetlands. Entity: Wetland Observatory, Tour de Valat, La Camargue, France. February-July.

2009. Topic: Resilience of Ecosystems to Environmental Change. Entity: Nottingham University, in relation to the project Living With Environmental Change (LWEC), Nottingham, United Kingdom, June.

2009. Topic: Environmental conflict resolution. Entity: Spanish Ministry of Environmental, rural and marine affairs and ZIP-Ecosocial, in relation to the project La dimensión cultural en los problemas ambientales como herramienta de cooperación al desarrollo. 15 April, AECID, Madrid, Spain.

2009. Topic: Energy scenarios for Spain. Entity: Observatorio de la Sostenibilidad en España (OSE)-Grupo de Prospectiva para la Sostenibilidad, Universidad Alcalá de Henares, Madrid, Spain, February.

2008. Topic: International expert meeting on classification of ecosystem services. Entity: European Environmental Agency, EEA premises, Copenhagen, Denmark, December.

2008. Topic: International Expert meeting on ecosystem accounting for the pan-Mediterranean wetlands: preparation of the second draft of the TEEB report. Entity: European Environmental Agency, Danube Delta National Institute, Tulcea, Rumania, 14-18 July,

2008. Topic: European Ecosystem Assessment expert meeting. European Environmental Agency, EEA premises, Copenhagen, Denmark, December.

AFFILIATION AND POSTS IN SIENTIFIC SOCIETIES

Member of the International Society for Ecological Economics (ISEE) since 2005

Member of the European Society for Ecological Economics (ESEE) since 2005

Member of the Spanish Network for Ecological Economics (RedEcoEco) (2007-2010)

Member and core partner of the international Ecosystem Services Partnership (ESP) since 2009.

Member of Research and Degrowth (R&D) since 2010.

Co-founder vocal of the steering committee (2010-2011) and member of the Spanish Association for Ecological Economics (EcoEcoEs) since 2010.