

## Berta Martín-López

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**Nationality:** Spanish  
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### EDUCATION

PhD Ecology and Environmental Sciences, Autonomous University of Madrid, Spain, 2007

Pedagogical Certificate of the Institute of Education Sciences, Universidad Complutense de Madrid, 2005

BA, Environmental Sciences, Autonomous University of Madrid, Spain, 2002

### PHD THESIS

Martín-López, B. 2007. Social-ecological basis for the economic valuation of biodiversity: Implications in Conservation Policies, PhD-Thesis, Autonomous University of Madrid, Spain

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### EMPLOYMENT HISTORY

- Oct 2015 – present Junior Professor in Sustainability Science at the Institute of Ethics and Transdisciplinary Sustainability Research (IETSR), Faculty of Sustainability, Leuphana University of Lüneburg, Germany.
- May 2015-Aug 2015 Visiting researcher at the Environmental Change Institute (ECI), University of Oxford, United Kingdom.
- Nov 2014-Feb 2015 Visiting Associate Professor at the Dpt. of Geosciences and Natural Resource Management (IGN), University of Copenhagen, Denmark
- Sept 2010-Oct 2014 Assistant Professor at the Dpt. Ecology, Autonomous University of Madrid, Spain
- 2009 – 2010 Adjunct Assistant Professor at the Dpt. Ecology, Autonomous University of Madrid, Spain
- 2008 – 2010 Postdoctoral Research Associate at the Dpt. of Vegetation Biology and Ecology, University of Almeria, Spain
- 2008 Postdoctoral Research Associate at the Dpt. Ecology, Autonomous University of Madrid, Spain
- 2004-2007 PhD Student at the Dpt. Ecology, Autonomous University of Madrid, Spain

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## PUBLICATIONS

### Academic impact of published work

Four books, 18 book chapters, 89 journal articles

Google Scholar h-index = 33 (i.e. 33 papers cited at least 32 times)

Google Scholar i10-index = 64 (i.e. 64 papers cited at least 10 times)

### Professional homepage or website:

<http://scholar.google.es/citations?user=7HlpwFwAAAAJ&hl=es>

[https://www.researchgate.net/profile/Berta\\_Martin-Lopez?ev=prf\\_highl](https://www.researchgate.net/profile/Berta_Martin-Lopez?ev=prf_highl)

### GUEST EDITOR OF SPECIAL ISSUES

2017 Ecologia Austral: “*Servicios Ecosistémicos en Latinoamérica - De la investigación a la acción*”, in process (with Pedro Laterra, Lucas Garibaldi and Matias Mastrangelo)

2016 AMBIO: “*Gender perspectives in resilience, vulnerability and adaptation to global environmental change*”, Volume 45, Supplement 3 (with Federica Ravera, Irene Iniesta-Arandia, Unai Pascual, Purabi Bose)

2016 Ecosystem Services journal: “*Integrated valuation of ecosystem services: challenges and solutions*”, Volume 22B (with Sander Jacobs, Nicolas Dendoncker, Erik Gomez-Baggethun, David Barton)

### PEER REVIEWED PUBLICATIONS

(\*PhD student advised; § Both authors contributed equally; Ø Leading large multi-author teams)

#### In press

1. Arias P\*, Gómez-Baggethun E, **Martín-López B**, Pérez-Rincón M. Widening the evaluative space for ecosystem services: A taxonomy of plural values and valuation methods (in press) *Environmental Values*. (<http://www.whpress.co.uk/EV/papers/1094-Arevalo.pdf>)
2. Balvanera P, Daw T, Gardner T, **Martín-López B**, Norström A, Speranza CI, Spierenburg M, Bennett E, Farfan M, Hamann M, Kittinger J, Luthe T, Maass M, Peterson G, Pérez-Verdin G. Key features for more successful place-based sustainability research on social-ecological systems. (in press) *Ecology & Society*.
3. García-Llorente M, Harrison P, Berry P, Palomo I, Gómez-Baggethun E, Iniesta-Arandia I, Montes C, García del Amo D, **Martín-López B**<sup>Ø</sup> (2016) What can nature conservation strategies learn from the ecosystem services approach? Insights from ecosystem assessments in two Spanish National Parks. *Biodiversity and Conservation*. DOI: [10.1007/s10531-016-1152-4](https://doi.org/10.1007/s10531-016-1152-4)
4. Hevia V, **Martín-López B**<sup>Ø</sup>, Palomo S, García-Llorente M, de Bello F, González JA. (2017) Trait-based approaches to analyze links between the drivers of change and ecosystem services: synthesizing existing evidence and future challenges. *Ecology and Evolution*. DOI: [10.1002/ece3.2692](https://doi.org/10.1002/ece3.2692)

#### 2017

5. Colloff MJ, **Martín-López B**, Lavorel S, Locatelli B, Gorddard R, Longaretti P-Y, Walters G, van Kerkhoff L, Wyborn C, Coreau A, Russell MW, Dunlop M, Degeorges P, Grantham H, Overton IC, Williams RD, Doherty MD, Capon T, Sanderson T, Murphy HT. (2017) An integrative research framework for enabling transformative adaptation. *Environmental Science & Policy*. DOI: <http://dx.doi.org/10.1016/j.envsci.2016.11.007>

2016

6. Bennett E, Solan M, Biggs R, McPhearson T, Norström A, Olsson P, Pereira L, Peterson G, Raudsepp-Hearne C, Biermann F, Carpenter S, Ellis E, Hichert T, Galaz V, Lahsen M, Milkoreit M, **Martín-López B**, Nicolas K, Preiser R, Vince G, Vervoort J, Xu J (2016) Bright spots: Seeds of a good Anthropocene. *Frontiers in Ecology and the Environment* 14(8): 441–448, DOI: [10.1002/fee.1309](https://doi.org/10.1002/fee.1309)
7. Chan KMA, Balvanera P, Benessaiah K, Chapman M, Díaz S, Gómez-Baggethun E, Gould RK, Hannahs N, Jax K, Klain SC, Luck G, **Martín-López B**, Muraca B, Norton B, Ott K, Pascual U, Satterfield T, Tadaki M, Taggart J, Turner NJ. (2016) Why Protect Nature? Rethinking Values and the Environment. *PNAS* 113:1462-1465. Recommended by Faculty of 1000 as a must read.
8. Crouzat E, **Martín-López B**, Turkelboom F, Lavorel S. (2016) Disentangling trade-offs and synergies around ecosystem services with the Influence Network Framework - Illustration from a consultative process over the French Alps. *Ecology & Society* 21(2):32. <http://www.ecologyandsociety.org/vol21/iss2/art32/>
9. García-Llorente M, Castro A, Quintas-Soriano C, López I, Castro H, Montes C, **Martín-López B**<sup>o</sup> (2016) The value of time in biological conservation and supplied services: A willingness to give up time exercise. *Journal of Arid Environments* 124:13-21. DOI: [10.1016/j.jaridenv.2015.07.004](https://doi.org/10.1016/j.jaridenv.2015.07.004)
10. Iniesta-Arandia I, Ravera F, Buechler S, Díaz-Reviriego I, Fernández-Giménez ME, Reed MG, Thompson-Hall M, Wilmer H, Aregu LL, Cohen P, Djoudi H, **Martín-López B**, Villamor GB, Wangui EE. (2016) A synthesis of convergent reflections, tensions and silences in linking gender and global environmental change research. *AMBIO* 45: 383-393. DOI: [10.1007/s13280-016-0843-0](https://doi.org/10.1007/s13280-016-0843-0)
11. Jacobs S, Dendoncker N, **Martín-López B**, Barton DN, Gomez-Baggethun E, Boeraeve F, McGrath FL, Vierikko K, Geneletti D, Sevecke KJ, Pipart N, Primmer E, Mederly P, Schmidt S, Aragão A, Baral H, Bark RH, Briceno T, Brogna D, Cabral P, De Vreese R, Liqueste C, Mueller H, Peh KS-H, Phelan A, Rincón Ruiz A, Rogers SH, Turkelboom F, Van Reeth W, van Zanten BT, Wam Hilde K, Washbourne C-L. (2016) A new valuation school: integrating diverse values of nature in resource and land use decisions. *Ecosystem Services* 22:213-220. DOI: <http://dx.doi.org/10.1016/j.ecoser.2016.11.007>
12. Martínez Pastur G, Peri PL, Lencinas MV, García-Llorente M, **Martín-López B**<sup>o</sup> (2016) Spatial patterns of cultural ecosystem services in Southern Patagonia. *Landscape Ecology*. 31: 383-399. DOI: [10.1007/s10980-015-0254-9](https://doi.org/10.1007/s10980-015-0254-9)
13. Oliver TH, Heard M, Isaac NJB, Roy DB, Procter D, Eigenbrod F, Freckleton R, Hector A, Orme CDL, Petchey O, Proença V, Raffaelli D, Suttle KB, Mace GM, **Martín-López B**, Woodcock B, Bullock JM. (2016) A synthesis is emerging between biodiversity-ecosystem function and ecological resilience research - Reply to Mori. *Trends in Ecology and Evolution* 31: 89-92. DOI: [10.1016/j.tree.2015.12.008](https://doi.org/10.1016/j.tree.2015.12.008)
14. Palomo I, Felipe-Lucía M, Bennet E, **Martín-López 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](https://doi.org/10.1016/bs.aecr.2015.09.003)
15. Quintas-Soriano C, **Martín-López B**, Santos-Martín F, Loureiro M, Montes C, Benayas J, García-Llorente M. (2016) Ecosystem services values in Spain: a meta-analysis. *Environmental Science & Policy* 55: 186-195. DOI: [10.1016/j.envsci.2015.10.001](https://doi.org/10.1016/j.envsci.2015.10.001)
16. 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: 235-247. DOI: [10.1007/s13280-016-0842-1](https://doi.org/10.1007/s13280-016-0842-1)

17. Ravera F, **Martín-López B**, Pascual U, Drucker A. (2016) The diversity of gendered adaptation strategies to climate change of Indian farmers: a feminist intersectional approach. *AMBIO* 45:335-351. DOI: [10.1007/s13280-016-0833-2](https://doi.org/10.1007/s13280-016-0833-2)
18. Raymond C, Bieling C, Fagerholm N, **Martín-López B**, Plieninger T. (2016) The farmer as a landscape steward: Comparing local understandings of landscape stewardship, landscape values and land management actions. *AMBIO* 45: 173-184. DOI: [10.1007/s13280-015-0694-0](https://doi.org/10.1007/s13280-015-0694-0)
19. Schipper AM, Belmaker J, de Miranda MD, Navarro LM, Böhning-Gaese K, Costello MJ, Dornelas M, Foppen R, Hortal J, Huijbregts MAJ, **Martín-López B**, Pettorelli N, Queiroz C, Rossberg AG, Santini L, Schiffers K, Steinmann ZJN, Visconti P, Rondinini C, Pereira HM. (2016) Contrasting changes in the abundance and diversity of North American bird assemblages from 1971 to 2010. *Global Change Biology* 22: 3948–3959. DOI: [10.1111/gcb.13292](https://doi.org/10.1111/gcb.13292)
20. Vidal-Abarca Gutierrez MR, Santos-Martín F, **Martín-López B**, Sanchez Montoya MR, Suarez Alonso ML. (2016) Exploring the capacity of Water Framework Directive indices to assess ecosystem services in fluvial and riparian systems: towards a second implementation phase. *Environmental Management* 57: 1139-1152 DOI: [10.1007/s00267-016-0674-6](https://doi.org/10.1007/s00267-016-0674-6)

## 2015

21. Bennett EM, Cramer W, Begossi A, Cundill G, Díaz S, Egoh B, Geijzendorffer IR, Krug CB, Lavorel S, Lazos E, Lebel L, **Martín-López B**, Meyfroidt P, Mooney HA, Nel JL, Pascual U, Payet K, Pérez Harguindeguy N, Peterson G, Prieur-Richard A-H, Reyers B, Roebeling P, Seppelt R, Solan M, Tschakert P, Tscharntke T, Turner II BL, Verburg PH, Viglizzo EF, White PCL, Woodward G. (2015) Linking biodiversity, ecosystem services and human well-being: Three challenges for designing research for sustainability. *Current Opinion in Environmental Sustainability* 14:76-85.
22. Castro A, **Martín-López B**, López-Carrique E, Plieninger T, Alcaraz-Segura D, Vaughn C, Cabello J. (2015) Do protected areas networks ensure the supply of ecosystem services? Evidence from two nature reserve systems in semi-arid Spain. *Applied Geography* 60:1-9.
23. Díaz S, Demissew S, Carabias J, Joly C, Lonsdale M, Ash N, Larigauderie A, Ram Adhikari J, Arico S, Baldi A, Bartuska A, Baste IA, Bilgin A, Brondizio E, Chan KMA, Figueroa VE, Duraiappah A, Fischer M, Hill R, Koetz T, Leadley P, Lyver P, Mace G, **Martín-López B**, Okumura M, Pacheco D, Pascual U, Selvin Pérez E, Reyers B, Roth E, Saito O, Scholes RJ, Sharma N, Tallis H, Thaman R, Watson R, Yahara T, Abdul Hamid Z, Akosim C, Al-Hafedh Y, Allahverdiyev R, Amankwah E, Stanley Asah T, Asfaw Z, Bartus G, Brooks L A, Caillaux J, Dalle G, Darnaedi D, Driver A, Erpuls G, Escobar-Eyzaguirre P, Failler P, Mokhtar Fouda AM, Fu B, Gundimeda H, Hashimoto S, Homer F, Lavorel S, Lichtenstein G, Mala WA, Mandivenyi W, Matczak P, Mbizvo C, Mehrdadi M, Metzger JP, Mikissa JB, Moller H, Mooney HA, Mumby P, Nagendra H, Neshshover C, Oteng-Yeboah AA, Pataky G, Roué M, Rubis J, Schultz M, Smith P, Sumaila R, Takeuchi K, Thomas S, Verma M, Yeo-Chang Y, Zlatanova D. (2015) The IPBES Conceptual Framework - connecting nature and people. *Current Opinion in Environmental Sustainability* 14: 1-16. Recommended by Faculty of 1000 as a must read.
24. Felipe-Lucía M, **Martín-López B**, Lavorel S, Berraquero-Díaz L, Escalera-Reyes J, Comín F. (2015) Ecosystem services flows: why stakeholders' power relationships matter. *PLoS ONE* 10(7): e0132232. DOI: [10.1371/journal.pone.0132232](https://doi.org/10.1371/journal.pone.0132232)
25. García-Llorente M, Iniesta-Arandia I, Willaarts B, Harrison PA, Berry P, Bayo MM, Castro AJ, Montes C, **Martín-López B**<sup>o</sup> (2015) Biophysical and socio-cultural factors underlying spatial tradeoffs of ecosystem services in semiarid watersheds. *Ecology & Society* 20 (3):39. DOI: <http://dx.doi.org/10.5751/ES-07785-200339>

26. García-Nieto AP, García-Llorente M, Palomo I, Quintas-Soriano C, Montes C, **Martín-López B<sup>o</sup>** (2015) Collaborative mapping of ecosystem services: the role of stakeholders' profiles. *Ecosystem Services* 13:141-152. DOI: [10.1016/j.ecoser.2014.11.006](https://doi.org/10.1016/j.ecoser.2014.11.006)
27. Geijzendorffer I, **Martín-López B**, Roche P. (2015) Identifying mismatches in ecosystem services supply and demand. *Ecological Indicators* 52: 320-331. DOI: <http://dx.doi.org/10.1016/j.ecolind.2014.12.016>
28. Iniesta-Arandia I\*, García del Amo D, García-Nieto AP, Piñeiro C, Montes C, **Martín-López B<sup>o</sup>** (2015) Factors influencing Local Ecological Knowledge maintenance in Mediterranean semi-arid watersheds. *AMBIO* 44:285-296. DOI: [10.1007/s13280-014-0556-1](https://doi.org/10.1007/s13280-014-0556-1)
29. **Martín-López B**, Montes C. (2015) Restoring the human capacity for conserving biodiversity: a social-ecological approach. *Sustainability Science* 10: 699-706. DOI: [10.1007/s11625-014-0283-3](https://doi.org/10.1007/s11625-014-0283-3)
30. Oliver TH, Heard M, Isaac NJB, Roy DB, Procter D, Eigenbrod F, Freckleton R, Hector A, Orme CDL, Petchey O, Proença V, Raffaelli D, Suttle KB, Mace GM, **Martín-López B**, Woodcock B, Bullock JM. (2015) Biodiversity and resilience of ecosystem functions. *Trends in Ecology and Evolution* 30: 673-684. DOI: <http://dx.doi.org/10.1016/j.tree.2015.08.009>
31. Oteros-Rozas E, **Martín-López B**, Daw T, Bohensky E, Butler J, Hill R, Martín-Ortega J, Quinlan A, Ravera F, Ruiz-Mallén I, Thyresson M, Mistry J, Palomo I, Peterson G, Plieninger T, Waylen KA, Beach D, Bohnet IC, Hamann M, Hanspach J, Hubacek K, Lavorel S, Vilarde S. (2015) Participatory scenario-planning in place-based social-ecological research: insights and experiences from 23 case studies. *Ecology & Society* 20 (4): 32. <http://dx.doi.org/10.5751/ES-07985-200432>
32. Plieninger T, Hartel T, **Martín-López B**, Beaufoy G, Bergmeier E, Kirby K, Montero MJ, Moreno G, Oteros-Rozas E, Van Uytvanck J. (2015) Wood-pastures in Europe: Geographic coverage, conservation values, management, and policy. *Biological Conservation* 190: 70-79. DOI: <http://dx.doi.org/10.1016/j.biocon.2015.05.014>
33. Saavedra L, Rosenberg A, **Martín-López B<sup>o</sup>** (2015) Social perceptions of Colombian small-scale marine fisheries conflicts: insights for management. *Marine Policy* 56:61-70. DOI: [10.1016/j.marpol.2014.11.026](https://doi.org/10.1016/j.marpol.2014.11.026)
34. Velasco D, García-Llorente M, Alonso B, Dolera A, Palomo I, Iniesta-Arandia I, **Martín-López B<sup>o</sup>** (2015) Biodiversity Conservation research challenges in the 21st century: A review of publishing trends in 2000 and 2011. *Environmental Science & Policy* 54:90-96. DOI: [10.1016/j.envsci.2015.06.008](https://doi.org/10.1016/j.envsci.2015.06.008)

#### 2014

35. Castro AJ, Verburg PH, **Martín-López B**, García-Llorente M, Vaughn CC, Cabello J. (2014) Ecosystem service trade-offs from the supply to the demand-side: a landscape-scale spatial analysis. *Landscape and Urban Planning* 132:102-110.
36. Iniesta-Arandia I\*, García-Llorente M, Aguilera PA, Montes C, **Martín-López B<sup>o</sup>** (2014) Socio-cultural valuation of ecosystem services: uncovering the links between values, drivers of change and human well-being. *Ecological Economics* 108:36-48. DOI: <http://dx.doi.org/10.1016/j.ecolecon.2014.09.028>
37. Iniesta-Arandia I\*, Piñeiro C, Montes C, **Martín-López B<sup>o</sup>** (2014) Women and agroecosystems conservation: an experiential analysis in the río Nacimiento region of Almería (Spain). *Psychology: Bilingual Journal of Environmental Psychology* 5: 214-251. DOI: <http://dx.doi.org/10.1080/21711976.2014.942516>
38. Jiménez A, Iniesta-Arandia I, Muñoz-Santos M, **Martín-López B**, Jacobson SK, Benayas J. (2014) Typology of Public Outreach for Biodiversity Conservation Projects in Spain. *Conservation Biology* 28: 829-840. DOI: [10.1111/cobi.12220](https://doi.org/10.1111/cobi.12220)



39. López-Santiago CA, Oteros-Rozas E\*, **Martín-López B**, Plieninger T, González E, González JA. (2014) Using visual stimuli to explore the social perceptions of ecosystem services in cultural landscapes: the case of transhumance in Mediterranean Spain. *Ecology & Society* 19 (2): 27. URL: <http://www.ecologyandsociety.org/vol19/iss2/art27/>
40. **Martín-López B**<sup>o</sup> Gómez-Bagghetun E, García-Llorente M, Montes C. (2014) Trade-offs across value-domains in ecosystem services assessments. *Ecological Indicators* 37A: 220-228. DOI: <http://dx.doi.org/10.1016/j.ecolind.2013.03.003>
41. Mingorría S\*, Gamboa G, **Martín-López B**, Corbera E. (2014) The oil palm boom: socio-economic implications for Q'eqchi' communities in the Polochic valley, Guatemala. *Environment, Development and Sustainability* 16: 841-871. DOI: [10.1007/s10668-014-9530-0](http://dx.doi.org/10.1007/s10668-014-9530-0)
42. Moreno J, Palomo I, Escalera J, **Martín-López B**, Montes C. (2014) Incorporating ecosystem services into protected area management to deal with complexity: A cognitive mapping approach. *Landscape Ecology* 29: 1407-1421. DOI: [10.1007/s10980-014-0053-8](http://dx.doi.org/10.1007/s10980-014-0053-8)
43. Mouchet MA, Lamarque P, **Martín-López B**, Crouzat E, Gos P, Byczek C, Lavorel S. (2014) An interdisciplinary methodological guide for quantifying associations between ecosystem services. *Global Environmental Change* 28: 298-308. DOI: [10.1016/j.gloenvcha.2014.07.012](http://dx.doi.org/10.1016/j.gloenvcha.2014.07.012)
44. Nieto-Romero M, Oteros-Rozas E\*, González JA, **Martín-López B**<sup>o</sup> (2014) Exploring the knowledge landscape of ecosystem services assessments in Mediterranean agroecosystems: insights for future research. *Environmental Science & Policy* 37: 121-133 DOI: <http://dx.doi.org/10.1016/j.envsci.2013.09.003>
45. Oteros-Rozas E\*, **Martín-López B**, González JA, Plieninger T, López CA, Montes C. (2014) Socio-cultural valuation of ecosystem services in a transhumance social-ecological network. *Regional Environmental Change* 14: 1269-1289. DOI: [10.1007/s10113-013-0571-y](http://dx.doi.org/10.1007/s10113-013-0571-y)
46. Palomo I\*, **Martín-López B**, Alcorlo P, Montes C. (2014) Limitations of protected areas zoning in Mediterranean cultural landscapes under the ecosystem services approach. *Ecosystems* 17:1202-1215. DOI: [10.1007/s10021-014-9788-y](http://dx.doi.org/10.1007/s10021-014-9788-y)
47. Palomo I\*, **Martín-López B**, Zorrilla-Miras P, García del Amo D, Montes C. (2014) Deliberative mapping of ecosystem services within and around Doñana National Park (SW Spain) in relation to land use change. *Regional Environmental Change* 14: 237-251. DOI: [10.1007/s10113-013-0488-5](http://dx.doi.org/10.1007/s10113-013-0488-5)
48. Palomo I\*, Montes C, **Martín-López B**, González JA, García-Llorente M, Alcorlo P, García-Mora MR. (2014) Incorporating the social-ecological approach to protected areas in the Anthropocene. *BioScience* 64: 181-191. DOI: [doi:10.1093/biosci/bit033](http://dx.doi.org/10.1093/biosci/bit033)
49. Rodríguez-Ortega T., Oteros-Rozas E., Ripoll-Bosch, R., Tichit M., **Martín-López B**, Bernués, A. (2014) Applying the ecosystem services framework to pasture-based livestock farming systems in Europe. *Animal* 8: 1361-1372. DOI: [10.1017/S1751731114000421](http://dx.doi.org/10.1017/S1751731114000421)
50. Vidal-Abarca MR, Suarez-Alonso ML, Santos-Martín F, **Martín-López B**, Benayas J, Montes C. (2014) Understanding complex links between fluvial ecosystems and society: an ecosystem services approach. *Ecological Complexity* 20:1-10. DOI: [10.1016/j.ecocom.2014.07.002](http://dx.doi.org/10.1016/j.ecocom.2014.07.002)
51. Zorrilla-Miras P, Palomo I\*, Gómez-Baggethun E, **Martín-López B**, Lomas PL, Montes C. (2014) Effects of land-use change on wetland ecosystem services: A case study in the Doñana marshes in southwestern Spain. *Landscape & Urban Planning* 122: 160-174. DOI: <http://dx.doi.org/10.1016/j.landurbplan.2013.09.013>

52. Acín-Cabrera M, Marquez MJ, Carral P, Alvarez AM, López C, **Martín-López B**, González J. (2013) Impacts of land-use intensity on soil carbon content, soil structure and water-holding capacity. *Soil Use and Management* 29:547-556.
53. Crossman ND, Burkhard B, Nedkov S, Willemen L, Petz K, Palomo I\*, Drakou E, **Martín-López B**, McPhearson T, Boyanova K, Alkemade R, Egoh B, Dunbar MD, Maes J. (2013). A blueprint for mapping and modeling ecosystem services. *Ecosystem Services* 4:4-14
54. García-Nieto AP, García-Llorente M, Iniesta-Arandia I, **Martín-López B**<sup>o</sup> (2013). Mapping forest ecosystem services: from providing units to beneficiaries. *Ecosystem Services* 4: 126-138.
55. Gómez-Bagghetun E, Kelemen E, **Martín-López B**, Palomo I, Montes C. (2013) Scale misfit in ecosystem service governance as a source of environmental conflict. *Society & Natural Resources* 26:1202-1216.
56. Higuera D, **Martín-López B**, Sánchez-Jabba A. (2013) Social preferences towards ecosystem services provided by cloud forests in the neotropics: implications for conservation strategies. *Regional Environmental Change* 13: 861-872.
57. Martín-Forés I, **Martín-López B**, Montes C. (2013). Anthropomorphic factors influencing Spanish conservation policies of vertebrates. *International Journal of Biodiversity*, Article ID 142670, <http://dx.doi.org/10.1155/2013/142670>
58. Oteros-Rozas E\*, **Martín-López B**, López CA, Palomo I, González JA. (2013) Envisioning the future of transhumant pastoralism through participatory scenario planning: a case study in Spain. *The Rangeland Journal* 35: 251-272. Recommended by Faculty of 1000 as a must read.
59. Palomo I\*, **Martín-López B**, Potschin M, Haines-Young R, Montes C. (2013). National Parks, buffer zones and surrounding lands: mapping ecosystem service flows. *Ecosystem Services* 4: 104-116.
60. Santos-Martín F, **Martín-López B**, García-Llorente M, Aguado M, Benayas J, Montes C. (2013) Unraveling the relationships between ecosystems and human wellbeing in Spain. *PLoS ONE* 8(9): e73249. DOI: [10.1371/journal.pone.0073249](https://doi.org/10.1371/journal.pone.0073249)

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7. Willaarts B.; Aguilera P.A.; **Martín-López B.**; Volk M. (2008) Consecuencias eco-hidrológicas asociadas a los cambios en las coberturas de vegetación en paisajes adherados mediterráneos e implicaciones en el suministro de servicios de ecosistemas. En: López-Geta, J.A.; Rubio, J.C.; Martín-Machuca, M. (Eds.) VII Simposio del Agua en Andalucía. Pp. 739-747. Instituto Geológico y Minero de España. (ISBN: 978-84-7840-763-7)

## 2007

8. **Martín-López B**, García-Llorente M, Alcorlo P, Montes C. (2007) El valor económico como indicador de la amenaza de las especies invasoras. El caso del Parque Nacional y Natural de Doñana. En: GEIB Grupo Especialista en Invasiones Biológicas (Ed.) Invasiones biológicas: Un factor de cambio global. EEI 2006 actualización de conocimiento. Pp: 40-75. Especies Exóticas Invasoras. GEIB. 2º Congreso Nacional sobre Especies Exóticas Invasoras "EEI 2006". GEIB, Serie Técnica Nº 3.

## **OUTREACH PUBLICATIONS**

### 2014

1. **Martín-López B** (2014) Reconociendo los vínculos entre naturaleza y sociedad. La Marea.

5 Mayo 2014. (<http://www.lamarea.com/2014/05/05/uni-en-la-calle-57/>)

## 2013

2. González JA, Oteros-Rozas E, **Martín-López B**, López CA, Zorrilla P, Montes C. (2012) La trashumancia en la Cañada Real Conquense: valores ecológicos, sociales y económicos asociados a una práctica ganadera tradicional. Informe de síntesis para responsables de políticas. Laboratorios de Socioecosistemas, Madrid. (ISBN: 978-84-695-4528-7)

## 2012

3. **Martín-López B** (2012) Foro científico: De lince y hongos. Investigación y Ciencia 425: 48.

## 2011

4. Vilardy SP, Oteros-Rozas E, González Novoa JA, Renan Rodríguez W, **Martín-López B**, Silva Vallejo F, Montes C. (2011) Repensemos la Ciénaga. Universidad del Magdalena, Universidad Autónoma de Madrid, AECID. (ISBN: 978-958-44-7905-1)

## 2010

5. **Martín-López B**. (2010) La Economía de los Ecosistemas y la Biodiversidad (Proyecto TEEB): todavía mucho por aprender del valor de la naturaleza y de la naturaleza del valor. Boletín nº 4 Ecomilenio (<http://www.ecomilenio.es>)

## 2008

6. Vilardy S, González JA, **Martín-López B**. (2008) Ciénaga Grande: mucho más que agua, manglares y pesca. Especial El Campus, Santa Marta, Abril, 10-11.

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## CONFERENCES

### INVITED PRESENTATIONS

1. *Contribuciones del marco de servicios de ecosistemas a la conservación de la biodiversidad: estado actual y retos futuros*. V Congreso Nacional de Biodiversidad, Tenerife (Spain), May 6<sup>th</sup>-8<sup>th</sup>, 2015.
2. **Martín-López B**, Bennett E, Payet-Lebourges K, ecoSERVICES Scientific Steering Committee, Cramer W, Prieur-Richard A-H, Spehn E, GMBA Scientific Steering Committee, Machalaba C, ecoHEALTH Scientific Steering Committee, Krug C, bioDISCOVERY Scientific Steering Committee, Sakyama M, bioGENESIS Scientific Steering Committee. *Overview presentation of the DIVERSITAS projects (bioDISCOVERY, bioGENESIS, ecoHEALTH, ecoSERVICES and GMBA): their contributions to IPBES*. 7<sup>th</sup> Annual ESP Conference: Local action for the common good. San José (Costa Rica). September 8-12, 2014.
3. *Relaciones entre la diversidad funcional y los servicios de los ecosistemas: retos futuros en la agenda científica*. IV Symposium Caribbean Biodiversity, Barranquilla (Colombia), June 5-6, 2014.
4. *Mapping Ecosystem Services: Considering the social-ecological systems complexity*. III International Conference of Ecosystem Services in the Neotropics. Medellín (Colombia), October 7 – 11, 2013.

5. *Implementing Ecosystem Services in adaptive landscape governance*. ALTER-Net Conference 2013: Science underpinning the EU 2020 Biodiversity Strategy (<http://www.alter-net.info/outputs/conf-2013>). Ghent (Belgium), May 15-17, 2013.
6. *Assessment of ecosystem services delivered by watersheds: an approach from the social-ecological resilience*. AGUA 2011 Conference: Ecosystems and Society. Cali (Colombia), November 15-18, 2011.
7. *Ecosystem services, what is the role of biodiversity?* First Regional Meeting of scientists in Life Sciences in the Caribbean. Santa Marta (Colombia), November 1<sup>st</sup> 2011.

#### OTHER ORAL PRESENTATIONS

1. Geijzendorffer I, Cohen-Shacham E, Cord A, Guerra C, **Martín-López B**. Monitoring of ecosystem services for global policy targets. 8<sup>th</sup> ESP Conference: Ecosystem Services for nature, people and prosperity. (Stellenbosch, South Africa). November 9<sup>th</sup>-13<sup>th</sup> 2015.
2. **Martín-López B**, Felipe-Lucía M, Bennett E, Fischer J, Hicks C, Lavorel S, Locatelli B, Norström A, Peterson G, Plieninger T. Social relationships across spatial scales matter in the analysis of ecosystem services bundles. PECS 2015: Social-ecological dynamics in the Anthropocene. (Stellenbosch, South Africa). November 3<sup>rd</sup>-5<sup>th</sup> 2015.
3. Felipe-Lucía M, **Martín-López B**, Lavorel S, Berraquero-Díaz L, Escalera-Reyes J, Comín F. Ecosystem services flows: why stakeholders' power relationships matter. PECS 2015: Social-ecological dynamics in the Anthropocene. (Stellenbosch, South Africa). November 3<sup>rd</sup>-5<sup>th</sup> 2015.
4. **Martín-López B**. Beyond dualism in biodiversity conservation: Toward acknowledging the diversity of values, institutions and knowledge. GfOe Annual Meeting 2015: Ecology for a Sustainable Future (Göttingen, Germany). August 31<sup>st</sup>-September 4<sup>th</sup> 2015.
5. Martínez Pastur G, Peri PL, Lencinas MV, García-Llorente M, **Martín-López B**. Cultural ecosystem services can be correlated with bio-physical variables using geo-tagged digital images in forested landscapes of Southern Patagonia. IUFRO Landscape Ecology Conference. Sustaining ecosystem services in forest landscapes: concepts, research and applications. (Tartu, Estonia). August 23-30, 2015.
6. Martínez Pastur G, Peri PL, Lencinas MV, García-Llorente M, **Martín-López B**. Correlación espacial entre los servicios ecosistémicos culturales y las variables biofísicas en Patagonia Sur. V Jornadas - II Congreso Argentino de Ecología de Paisajes. Azul, 27-29 Mayo 2015.
7. **Martín-López B**, García-Llorente M, Iniesta-Arandia I, Oteros-Rozas E, González JA. Human preferences towards biodiversity and ecosystem services: a comparative analysis of monetary and non-monetary valuation techniques. 7<sup>th</sup> Annual ESP Conference: Local action for the common good. (San José, Costa Rica). September 8-12, 2014.
8. Hevia V, **Martín-López B**, García-Llorente M, de Bello F, González JA. Existing evidence on the links between drivers of change, functional diversity and ecosystem services. 7<sup>th</sup> Annual ESP Conference: Local action for the common good. (San José, Costa Rica). September 8-12, 2014.
9. Botto Barrios D, Vilardy S, **Martín-López B**. Insects participation in the supply of services and dis-services of the ecosystems in the Biosphere Reserve Ciénaga Gande de Santa Marta. 7<sup>th</sup> Annual ESP Conference: Local action for the common good. (San José, Costa Rica). September 8-12, 2014.
10. Fernanda Ricaurte L, Cepeda Valencia J, Olaya Rodríguez MH, **Martín-López B**, Palomo I. Indicators of vulnerability for the integrative management of wetlands in Colombia: a first national-scale assessment. 7<sup>th</sup> Annual ESP Conference: Local action for the common good. (San José, Costa Rica). September 8-12, 2014.
11. Fernanda Ricaurte L, Olaya Rodríguez MH, Cepeda Valencia J, Arroyave LJ, Borja SM, Gutiérrez J, Lara D, **Martín-López B**, Palomo I. Mapping ecosystem functions, services and drivers of change in wetlands: A case study of science-policy interface in Colombia. 7<sup>th</sup> Annual ESP Conference: Local action for the common good. (San José, Costa Rica). September 8-12, 2014.

12. Geijzendorffer IR, Garcia Nieto AP, Bondeau A, Roche P, Cramer W, **Martín-López B**. Urbanisation as a driver of changes in ecosystem services demand and supply in the Mediterranean basin. 7<sup>th</sup> Annual ESP Conference: Local action for the common good. (San José, Costa Rica). September 8-12, 2014.
13. Vidal Abarca MC, Gutierrez MR, Suarez Alonso ML, Santos-Martín F, **Martín-López B**, Benayas J, Montes C. Understanding complex links between fluvial ecosystems and social indicators in Spain: an ecosystem services approach. *Limnologia* 2014. XVII Congress of the Iberian Association of Limnology. University of Cantabria (Santander, Spain). July 6-11, 2014.
14. **Martín-López B**. The value of place-based research in ecosystem service assessments. Resilience 2014: Adaptation, Transformation & Development. (Montpellier, France), May 4-8, 2014.
15. García-Llorente M, Castro AJ, Quintas-Soriano C, López I, Castro H, Montes C, **Martín-López B**. The value of time in conservation: the importance of time-sharing activities on local empowerment. Resilience 2014: Adaptation, Transformation & Development. (Montpellier, France), May 4-8, 2014.
16. Oteros-Rozas E, González JA, López CA, Palomo I, Rodríguez A, **Martín-López B**. Drawing the future of transhumance in Spain through participation: a tool for understanding social-ecological relationships. Resilience 2014: Adaptation, Transformation & Development. (Montpellier, France), May 4-8, 2014.
17. **Martín-López B**, Palomo I, López CA, Montes C. The role of collaborative art practice for a common design of management strategies in protected areas. Resilience 2014: Adaptation, Transformation & Development. (Montpellier, France), May 4-8, 2014.
18. Vilarly S, **Martín-López B**, González JA, Oteros-Rozas E. Primitivism: an artistic tool for depicting future scenarios in the Ciénaga Grande de Santa Marta (Colombia). Resilience 2014: Adaptation, Transformation & Development. (Montpellier, France), May 4-8, 2014.
19. Palomo I, **Martín-López B**, Alcorlo P, Montes C. Evaluation of protected areas zoning using the ecosystem services approach. Insights for landscape planning. 6<sup>th</sup> Annual ESP Conference: Making ecosystem Services count. (Bali, Indonesia) August 26-30, 2013.
20. Palomo I, **Martín-López B**, Zorrilla P, Montes C. Land use change and ecosystem services simplification around protected areas. 5<sup>th</sup> Annual ESP Conference: Ecosystem Services Come of Age. (Portland, USA) July 31 – August 4, 2012.
21. Baeza D, Alcorlo P, López-Santiago C, **Martín-López B**. La influencia de la implementación de un régimen de caudales ecológicos en la provisión de servicios en ecosistemas montañosos mediterráneos. XVI Congreso de la Asociación Ibérica de Limnología. (Guimaraes, Portugal) July 2-6, 2012
22. Palomo I, Alcorlo P, **Martín-López B**, Montes C. Influence on ecosystem service provision of two Mediterranean protected areas (Doñana and Sierra Nevada). 4<sup>th</sup> ESP Conference: Ecosystem Services: Integrating Science and Practice. (Wageningen, Holanda) October 4-7, 2011.
23. Martín-Forés I, **Martín-López B**, Montes C. Factores antropomórficos que influyen en las políticas de conservación de vertebrados en España. III Congreso Nacional de Biodiversidad. (Granada, Spain). June 8-10, 2011.
24. Palomo I, **Martín-López B**, López-Santiago C, Montes C. Building resilience through multi-scale scenarios under the ecosystem services framework in a protected area: the Doñana Social-Ecological System, SW Spain. Resilience 2011: Resilience, Innovation and Sustainability. (Arizona, USA) March 11-15, 2011.
25. Iniesta-Arandia I, **Martín-López B**, García-Llorente M, Montes C, Aguilera P. The role of social networks in local water governance in a semiarid watershed (South-East, Spain) Resilience 2011: Resilience, Innovation and Sustainability. (Arizona, USA) March 11-15, 2011.
26. Oteros-Rozas, E., González J.A., **Martín-López, B.**, López, C.A., Montes, C. Evaluating ecosystem services in cultural landscapes: the case of transhumant pastoralism in Mediterranean Spain. Landscape and Sustainability Global Forum (Burgos, Spain) March 21-26, 2011.

27. Iniesta-Arandia I, García-Llorente M, **Martín-López, B.**, Castro A, Aguilera P, Montes C. La evaluación de los servicios de los ecosistemas: una aproximación socio-ecosistémica a la gestión de cuencas hidrográficas. VII Congreso Ibérico sobre gestión y Planificación del Agua. (Talavera de la Reina, Spain), February 16-19, 2011.
28. García-Llorente M, **Martín-López, B.**, Iniesta-Arandia I, Benayas J, Aguilera P, Montes C. Paisajes mediterráneos como unidades suministradoras de servicios de los ecosistemas: preferencias sociales hacia su disfrute estético y conservación. VII Congreso Ibérico sobre gestión y Planificación del Agua. (Talavera de la Reina, Spain), February 16-19, 2011
29. Garzón-Casado B, Iniesta-Arandia I, **Martín-López, B.**, García-Llorente M, Montes C. Entendiendo las relaciones naturaleza y sociedad de dos cuencas hidrográficas del sureste semiárido andaluz desde la historia socio-ecológica. VII Congreso Ibérico sobre gestión y Planificación del Agua. (Talavera de la Reina, Spain), February 16-19, 2011.
30. Iniesta I, **Martín-López B**, Paton D, Montes C. Exploring the links between individual, community and social-ecological resilience in two social-ecological crises in Spain. The Social Ecology of Resilience. (Halifax, Nova Scotia, Canada) June 7-10, 2010.
31. Oteros-Rozas E, González Nóvoa JA, **Martín-López B**, López CA, Montes C. Social-ecological resilience and transhumance landscapes in the Mediterranean: Learning from the past, looking for the future. International Workshop of Social-Ecological Resilience of Cultural Landscapes. (Berlin, Alemania) June 15-16, 2010.
32. Oteros-Rozas, E., **Martín-López, B.**, González J.A., Montes, C. Un marco conceptual y metodológico integrador e interdisciplinar para la valoración de los servicios de los ecosistemas asociados a la trashumancia. II Congreso Nacional de Vías Pecuarias. (Cáceres, Spain), October 27-29, 2010.
33. Oteros-Rozas E, Casas-Nogales R, González JA, **Martín-López B**. Characterizing ecosystem services generated by trashumance in a Mediterranean landscape. Diversitas OSC2. Biodiversity and Society: understanding connections, adapting to change. (Cape Town, South Africa) October 13-16, 2009.
34. Gómez-Baggethun E, **Martín-López B**, García-Llorente M, Montes C. Hidden values in ecosystem services. A comparative analysis of preferences outcomes obtained with monetary and non-monetary methods. Diversitas OSC2. Biodiversity and Society: understanding connections, adapting to change. (Cape Town, South Africa) October 13-16, 2009.
35. Vilardey SP, González JA, **Martín-López B**, Montes C. Los Servicios de los Ecosistemas de la Reserva de Biosfera Ciénaga Grande de Santa Marta: Una herramienta de gestión de la biodiversidad. CISDA IV: Construyendo Modelos Alternativos de Desarrollo. (Bogotá, Colombia) October 7-10, 2009.
36. Oteros-Rozas, E., **Martín-López, B.**, González J.A., Montes, C. Factores que influyen en la valoración económica de los servicios generados por los ecosistemas: una comparación entre humedales y bosques mediterráneos. II Congreso Nacional de Biodiversidad. (Blanes, Spain), February 10-13, 2009.
37. Palomo I, **Martín-López B.**, Montes C. Mapping ecosystem services: current trends. ACES: A Conference on Ecosystem Services. Using Science for Decision Making in Dynamic Systems. (Naples, Florida, USA), December 8-11, 2008.
38. Oteros-Rozas E, **Martín-López B.**, González, JA, Montes C. Factors influencing economic value of ecosystem services: a comparison between Mediterranean wetlands and forests. ACES: A Conference on Ecosystem Services. Using Science for Decision Making in Dynamic Systems. (Naples, Florida, USA), December 8-11, 2008.
39. Willaarts, B.A.; **Martín-López, B.**; López, E & Aguilera, P. Spatial scales and ecosystem services assessment: identifying service providing units and ecosystem service beneficiaries. EURECO. Biodiversity in an ecosystem context. (Leipzig, Alemania) September 15-19, 2008.
40. Gómez-Baggethun, E.; **Martín-López, B.** & Montes, C. Ecosystem valuation at the crossroad. The 10<sup>th</sup> Biennial Conference of the International Society for Ecological Economics (ISEE-2008) 'Applying ecological economics for social and environmental sustainability'. (Nairobi, Kenya) August 7-11, 2008.



41. Willaarts, B.A., Aguilera, P.A., Volk, M., **Martín-López, B.** Consecuencias ecohidrológicas asociadas a los cambios de usos y coberturas de vegetación en paisajes adherados mediterráneos e implicaciones en el suministro de servicios ecosistémicos. VII Simposio del Agua en Andalucía. (Baeza, Spain), May 30, 2008.
42. **Martín-López, B.**, Montes, C. & Benayas, J. Valoración económica de la biodiversidad: ¿cuál es el significado de los números? I Congreso Nacional de Biodiversidad. (Segovia, Spain), November 12-14, 2007.
43. **Martín-López, B.**, Gómez-Baggethun, E., Lomas, PL & Montes, C. A framework for economic valuation of biodiversity in the Millennium Ecosystem Assessment context. The 9<sup>th</sup> Biennial Conference of the International Society for Ecological Economics (ISEE-2006) 'Ecological Sustainability and Human Well-Being'. (New Delhi, India). December 15-18, 2006.
44. Gómez-Baggethun, E., **Martín-López, B.**, Lomas, PL, Sastre, S., Zorrilla, P. & Montes, C. Ecosystem services loss derived from land use homogenization in Mediterranean multi-functional landscapes. The 9<sup>th</sup> Biennial Conference of the International Society for Ecological Economics (ISEE-2006) 'Ecological Sustainability and Human Well-Being'. (New Delhi, India). December 15-18, 2006.

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### INVITED UNIVERSITY LECTURES (AND SIMILAR)

1. *Disentangling the complexities of ecosystem services: a social-ecological approach.* Institute of Environmental Sciences. Jagiellonian University, Krakow (Poland), March 26<sup>th</sup>, 2015.
2. *Disentangling the complexities of ecosystem services for landscape planning.* Copenhagen Landscape Lectures. University of Copenhagen, Copenhagen (Denmark), December 9<sup>th</sup>, 2014.
3. *Integrated mapping of ecosystem services supply and demand.* AgForward meeting, University of Copenhagen, Copenhagen (Denmark), November 12<sup>th</sup>, 2014.
4. *Ecosystem services assessments: dealing with complexity.* Future Earth Seminar at Research Institute for Humanity and Nature (RIHN), Kyoto (Japan), May 22<sup>nd</sup>, 2014.
5. *Future research in ecosystem services in the Doñana National Park.* Conservation research in Doñana, Estación Biológica de Doñana, Seville (Spain), February 7<sup>th</sup>, 2014.
6. *Towards harmonizing functional traits functional traits and their meaning across taxonomic groups.* FunKey Traits Workshop. Imperial College, London (UK), November 27<sup>th</sup>, 2013.
7. *Integrated assessment of ecosystem services: dealing with complexity of social-ecological systems.* Laboratoire d'Excellence OT-Med, Institut Méditerranéen de Biodiversité et d'Ecologie marine et continentale (<http://www.otmed.fr/spip.php?article506>). Aix en Provence (France), Septembre 19<sup>th</sup> 2013.
8. *Dealing with complexity of ecosystem services in conservation programs: an interdisciplinary approach.* Laboratory of Alpine Ecology (LECA), Université Joseph Fourier, Grenoble (France), September 10<sup>th</sup> 2013
9. Valoración integral de la biodiversidad y los servicios de los ecosistemas: Un enfoque desde la complejidad de los sistemas socio-ecológicos. Simposio de Valoración Integral de la Biodiversidad y los Servicios Ecosistémicos. Instituto de Investigación de Recursos Biológicos Alexander von Humboldt y la Universidad de los Andes. Bogotá (Colombia), May 22-23, 2013.
10. *Ecosystems and Human Wellbeing.* Forestry Sciences and Nature Conservation Faculty, Universidad de Chile, Santiago de Chile, July 4<sup>th</sup> 2012.
11. *From the value of nature to the nature of value: Social and ecological basis for the economic valuation of biodiversity.* Fundación Pedro García Cabrera, Santa Cruz de Tenerife (Spain), June 1<sup>st</sup>-2<sup>nd</sup> 2011.
12. *The economy of biodiversity: From the value of nature to the nature of value.* Cajastur, Gijón (Spain), April 5<sup>th</sup> 2011.
13. *Conservation for Human Wellbeing: Rethinking the protected areas strategy.* Catedra Jane Goodall, Alicante University (Spain), December 1<sup>st</sup> 2010.

14. *The Spanish Millennium Ecosystem Assessment*. Seminari de Biodiversitat “Canvi climàtic i biodiversitat”, organizado por Departament de Medi Ambient i Habitatge, Generalitat de Catalunya. Barcelona (Spain), May 20<sup>th</sup> 2010
15. *The Economic of Ecosystems and Biodiversity (TEEB) project: background, development, and future considerations*. Botanical Garden, Madrid (Spain), May 14<sup>th</sup> 2010.
16. *Ecosystem services: testing ecosystem accounts for the Mediterranean at site level*. MedWet/CODDE project. MedWet information and knowledge network for the sustainable development of wetland ecosystems. Athens, Greece. March 17<sup>th</sup>-18<sup>th</sup> 2008.

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## GRANTS AND FELLOWSHIPS

1. 2014. Grant from the IGN's International Academy, Department of Geosciences and Natural Resource Management (IGN), University of Copenhagen, Denmark. (€7,072)
2. 2013-2017. Grant from the Seventh Framework Program of the European Commission-Research (€20,773)
3. 2012. Grant from the IUCN-Mediterranean for the collaboration with the Department of Ecology at the Autonomous University of Madrid €7,500– 6 months)
4. 2011–2012. Grant from the Studies Centre of Latin-America for the collaboration with Humboldt Institute (Colombia), Magdalena University (Colombia) and Autonomous University of Madrid (€1,000)
5. 2009. Grant from the WWF-Spain for the collaboration with the Department of Ecology at the Autonomous University of Madrid (€2,000)
6. 2008–2010. Postdoctoral grant from the Environmental Government of Andalusia for the collaboration with the Department of Ecology at the University of Almeria (€40,000)
7. 2008. Grant from the European Environmental Agency for the collaboration with the Department of Ecology at the Autonomous University of Madrid (€10,750)
8. 2003–2007. PhD contract from the Environmental Government of Madrid (Spain) for the collaboration with the Department of Ecology at the Autonomous University of Madrid (€80,000)

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## RESEARCH PROJECTS

1. 2015-2018. Microorganismes du sol et Services Écosystémiques dans les écosystèmes peu Anthropisés. Funded by EcoSerV – INRA, France. (Member of the research team; €177,422)
2. 2013-2017. Operationalisation of natural capital and ecosystem services: from concepts to real-world applications (OpenNESS). Funded by the Seventh Framework Program of the European Commission (Co-PI; €20,773)
3. 2012-2016. Harmonizing Global Biodiversity Modelling (HARMBIO). Funded by the European Commission through the COST networking action. (Member of the research team in the WG1)
4. 2012-2014. Effect of land management on biodiversity and landscape capacity to provide ecosystem services to society: evidence from three social-ecological systems. Funded by the Spanish Ministry of Science and Technology. (Member of the research team; €9,000)
5. 2012-2013. Economic valuation of ecosystem services delivered by Spanish ecosystems. Funded by the Biodiversity Foundation and Spanish Ministry of Environment, Rural and Marine Affairs. (Member of the research team; €100,000)
6. 2012. Designing indicators for monitoring biodiversity in the Mediterranean Basin. Funded by the IUCN-Mediterranean. (PI; €7,500)
7. 2011-2012. Advanced training in Sustainability Science: strengthening local capacities to manage global change. Funded by the Studies Centre of Latin-America. (PI; €1,000)
8. 2009-2012. Managing National Parks beyond their limits: assessing and mapping ecosystem services as a tool for landscape planning within the global change context. Funded by the Spanish Ministry of Environment, Rural and Marine Affairs (Co-PI; €80,661)

9. 2009-2010. Analysis of the socio-ecological problems in the Ciénaga Grande of Santa Marta (Colombia) and development of an adaptive management strategy on the basis of local participation. Funded by the Spanish Agency for international cooperation. (Member of the research team; €20,000)
10. 2009. Towards a new management model in the Doñana social-ecological system based on the relationships between human wellbeing and ecosystem services. Funded by WWF-Spain (PI; €12,000)
11. 2008-2011. Millennium Ecosystem Assessment of Spain. Funded by the Spanish Ministry of Environment, Rural and Marine Affairs (Member of the research team; €400,000).
12. 2008-2012. Functional diversity and human wellbeing: modeling the link between ecosystem services and the socioeconomic structure of a semiarid Spanish watershed. Project funded by the Andalusian Ministry of Science and Technology. (Co-PI; €138,810)
13. 2008-2011. Implementation of the Water Framework Directive in river basins of Andalusia and its influence on human welfare: water ecosystem services. Funded by the Andalusian Ministry of the Environment, Spain. (Member of the research team; €61,554)
14. 2008-2011. Economic valuation of biodiversity and ecosystem services associated with the transhumance practice in the Conquense Royal Drove: Management implications in the Mediterranean agroecosystems. Funded by the Spanish Ministry of the Environment, Spain. (Member of the research team; €15,559)
15. 2007-2008. Ecosystem Assessment of Mediterranean Wetlands. Funded by the European Environment Agency and the European Topic Centre on Land Use and Spatial Information (ETC-LUSI). (Member of the research team; €38,847)
16. 2006-2007. Ecological and economic valuation of the goods and services supplied the network of protected areas of Andalusia, Spain. Funded by Andalusian Spanish Government, Spain. (Member of the research team; €180,303)
17. 2006-2008. Assessment of marshland ecosystem in the Doñana Protected Area. Funded by the Spanish Ministry of the Environment, Spain. (Member of the research team; €143,000)

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## INTERNATIONAL EXPERIENCE

- Department of Geosciences and Natural Resource Management (IGN), University of Copenhagen (Denmark). November-December 2014. Research stay funded by the IGN's International Academy
- Laboratory of Alpine Ecology (LECA), *Université Joseph Fourier*, Grenoble (France). July-September 2013. Supervised by Dra. Sandra Lavorel. Research stay funded by the Spanish Government
- Faculty of Forestry Science and Nature Conservation. *University of Chile*, Santiago de Chile (Chile). July 2012. Supervised by Dra. Claudia Cerdá. Research Stay funded by the University of Chile.
- Multidisciplinary Institute of Plant Biology, *National University of Cordoba*, Córdoba (Argentina). August-October 2006. Supervised by Dra. Sandra Díaz. Research stay funded by the Madrid Regional Ministry of Education
- School of Environmental Sciences (CSERGE), *University of East Anglia*, Norwich, UK. June-August 2005. Supervised by Dr. Kerry Turner. Research stay funded by the Madrid Regional Ministry of Education

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## TEACHING

### COURSES

#### Master Degrees

*Leuphana Universität of Lüneburg, Germany*

1. Research Project 3 (Forschungsprojekt 3). Compulsory course in the *Global Sustainability Science Master*. 2015-2016 (10 students).
2. Research Project 2 (Forschungsprojekt 2). Compulsory course in the *Global Sustainability Science Master*. 2015-2016 (10 students).

*National Autonomous University of Mexico (UNAM), Mexico*

3. *Ciencias de la Sostenibilidad: Desarrollo, Historia y Vertientes*. Principios de Sostenibilidad. August 2016 (20 students)

*International University of Andalusia (UNIA), Spain*

4. Biodiversity and Ecosystem Services. Compulsory course in the Master Degree on *Sustainability Sciences*. 2011-2012 (12 students).
5. Sustainability Science for managing global change. Compulsory course in the Master Degree on *Conservation and Natural Environment Management*. 2009-2011 (30 students).
6. Statistical Techniques in Environmental Sciences. Graduate course in the *Integral Management of Natural Environments Master Degree*. 2010-2011 (25 students).

*Autonomous University of Madrid (UAM), Spain*

7. Functional diversity and Human wellbeing: the role of ecosystem services. Compulsory course in the *Master Degree on Protected Areas Management*. 2009-2015 (30 students).
8. Ecology and Society: a multidisciplinary approach to environmental problems Compulsory course in the *Master Degree in Ecology* (code: 30410). 2009-2014 (20-30 students).
9. Microorganisms in the Ecosystems Functioning. Optional course in the *Master Degree in Ecology* (code: 30410). 2009-2014 (10 students).

## Bachelor Degree

*Leuphana Universität of Lüneburg, Germany*

1. Ecological restoration for Sustainability (module 3: Project Design). Seminars. Minor Nachhaltigkeitswissenschaften. Summer Semester 2017. (20 students) (1SWS)
2. Ecological restoration for Sustainability (module 2: Methods in Inter- and Transdisciplinary Research). Seminars. Minor Nachhaltigkeitswissenschaften. Winter Semester 2016-2017. (20 students) (1SWS)
3. Ecological restoration for Sustainability (module 1: Basics in Sustainable Development). Seminars. Minor Nachhaltigkeitswissenschaften. Summer Semester 2016 / 2017. (22 students) (2SWS)
4. Environmental Sciences - an Introduction (Einführung in die Umweltwissenschaften; Vorlesung). Lectures. Winter Semester 2015-2016 / 2016-2017. (180 students) (1SWS)
5. Seminars of Environmental Sciences - an Introduction (Einführung in die Umweltwissenschaften, Vertiefung Gestaltung). Winter Semester 2015-2016 / 2016-2017 (2 groups of 90 students) (2SWS)

*Autonomous University of Madrid (UAM), Spain*

6. Ecology. Compulsory course in the *Environmental Sciences Degree* (code: 16485). 2012-2014 (Two groups of 80 students).
7. Natural Resource Ecology and Management. Compulsory course in the *Environmental Sciences Degree* (code: 16498). 2012-2013 (70 students).
8. Environmental Systems Modeling. Optional course in the *Environmental Sciences Degree* (code: 16532). 2009-2010 (6 students) and 2012-2013 (8 students).

## Labs sections

*Autonomous University of Madrid (UAM), Spain*

1. Microorganisms in the Ecosystems Functioning. Optional course in the *Master Degree in Ecology* (code: 30410). 2009-2014 (10 students).

2. Ecology. Compulsory course in the *Environmental Sciences Degree* (code: 16485). Graduate course. 2010-2014 (Two groups of 80 students).
3. Microbial Ecology. Optional course in the *Biological Sciences Degree* (code: 16326). 2010-2012 (80 students).
4. Ecology. Compulsory course in the *Biological Sciences Degree* (code: 16314). Graduate course. 2009-2010 (40 students) and 2013-2014 (20 students).

## GUEST LECTURERS

### Master Degrees

1. Lecturer 'Operationalizing ecosystem services approach for managing protected areas' (14 hours). Master at the *Institute of Environmental Sciences*. Jagiellonian University, Poland. 2015.
2. Lecturer 'Cultural Ecosystem Services' (12 hours). University of Copenhagen, Copenhagen. 2014.
3. Lecturer 'Sustainability Sciences' (16 hours). *Master Degree in wild lands and nature conservation*. Universidad de Chile, Santiago de Chile, Chile. 2012.
4. Lecturer 'Social-ecological approaches for international cooperation' (8 hours). *Master Degree in Human Development and Cooperation*. Universidad Politécnica de Madrid, Spain. 2011-2012; 2012-2013.

### Degrees

5. Lecturer 'Economic valuation of biodiversity' (8 hours). Universidad del Magdalena, Santa Marta, Colombia. 2008.
6. Lecturer 'Economic valuation of biodiversity' (4 hours). Universidad Jorge Tadeo, Santa Marta, Colombia. 2008.

### Summer Schools

7. Lecturer 'Ecosystem services assessments: role of power relations' (2,5 hours) 11<sup>th</sup> Alter-Net Summer School-Challenge your knowledge in biodiversity and ecosystem services. Peyresq –Alpes de Haute, France. 2016.
8. Lecturer 'Social attitudes towards conservation' (2 hours). *Biodiversity, environment and protected areas*. International University of Andalucía (UNIA), Spain. 2010.
9. Lecturer 'Millennium Ecosystem Assessment Program' (2 hours). *Estimating the value of ecosystems and landscapes*. Universidad de Alcalá de Henares, Madrid. 2006.
10. Lecturer 'Ecology and Economics for a Better World' (16 hours). *Conservation and Management of Natural Systems: Global Change and Sustainability*. Universidad de Panamá, Ciudad de Panamá, Panamá. 2008.
11. Lecturer 'Ecology and Economics for a Better World' (16 hours). *Conservation and Management of Natural Systems: Global Change and Sustainability*. Universidad CUJAE, La Habana, Cuba. 2009.
12. Lecturer 'Economic valuation of ecosystem services and biodiversity' (3 hours). *To 'ecologize' the Economics or to economize the Ecology*. International University of Andalucía (UNIA), Spain. 2009.

## UNIVERSITY SERVICES

*Leuphana Universität of Lüneburg, Germany*

Coordinator of the Minor course in Sustainability Science -  
Minor Nachhaltigkeitshumanwissenschaften (2016- present).



Coordinator of the Minor course in Sustainability and Human Sciences -  
Minor Nachhaltigkeitswissenschaften (2017- present).

*Autonomous University of Madrid (UAM), Spain*

Ecology Doctoral Programme. Member of committee (2012-2014).

*International University of Andalusia (UNIA), Spain*

Coordinator of the Master Degree on *Sustainability Sciences* (2011-2012).

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## **SUPERVISION**

### **POSTDOCTORAL FELLOWS**

- 2016 - Jorge Lozano (PostDoc, Supervisor)
- 2016 – 2017 Irene Iniesta-Arandia (PostDoc, Supervisor)

### **VISITING SCIENTISTS**

- 2017 Julicristie M Oliveira, June-July 2017
- 2016 Zebensui Morales, April-November 2016
- 2016 Javier Moreno, June-August 2016

### **PHD STUDENTS** (4 finished and 5 on-going)

- *Leuphana Universität of Lüneburg, Germany*  
David Lam (2016-present); Katharina J. Sevecke (2017-)
- *University of Postdam*  
Katja Schmidt (2015-present)
- *University of Barcelona*  
Natali Lazzari (2015-present)
- *Autonomous University of Barcelona*  
Sara Mingorría (2011-2016); Paola Arias-Arévalo (2012-present).
- *Autonomous University of Madrid*  
Marina García-Llorente (2007-2011; *Cum laude* and extraordinary doctorate award); Elisa Oteros-Rozas (2009-2013; *Cum laude*); Ignacio Palomo (2009-2013; *Cum laude* and extraordinary doctorate award); Irene Iniesta-Arandia (2009-2015; *Cum laude*).

### **MS STUDENTS** (17 finished and 4 on-going):

- *Leuphana Universität of Lüneburg*  
Maximilian Muhr (2017); Lisa Marie Schlesinger (2017); Katharina Kapitza (2017); Julian Haas (2017)
- *Autonomous University of Madrid (Master Degree in Ecology)*  
Ana P. García-Nieto (2012); Marta Nieto-Romero (2012); Borja Garzón-Casado (2011); Claudia Torres (2010); Ignacio Palomo (2009); Elisa Oteros-Rozas (2009); Marina García-Llorente (2008)
- *Autonomous University of Madrid (Master Degree in Protected Areas Management)*  
Laura Maíz Tomé (2012); Jeimy Nereida Cuadrado (2012); David García del Amo (2011); Diego Higuera (2008).
- *Autonomous University of Barcelona*  
Paola Arias-Arévalo (2013)
- *University Complutense of Madrid*  
Irene Martín-Forés (2010)
- *International University of Andalusia*

Noelia Espinosa Mellado (2013); David García del Amo (2013); Stephanie Arellano Acosta (2011); Aimée Cervantes Escobar (2011)

#### **UNDERGRADUATE STUDENTS (8 finished):**

- *Leuphana Universität of Lüneburg*  
Elias Huland (2016)
- *Autonomous University of Madrid*  
David Velasco (2013); Blanca Alonso (2013); Agustín Dolera (2013); Alberto Slocker (2013); Marina Cárdenas (2014); Lorena González Álvarez (2014); Pedro Lorenzo Cruz (2014).

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### **PROFESSIONAL SERVICE**

#### **SCIENTIFIC COMMITTEES AND WORKING GROUPS**

- Since 2016. Scientific member of the Advisory board of **BiodivERSA** (<http://www.biodiversa.org/>)
- Since 2016. Member of the Advisory Board of the MILJØFORSK project: Transformation of recent forest on abandoned agricultural land for the benefit of biodiversity, ecosystem services and green solutions - TRANSFOREST.
- Since 2015. Coordinator Lead Author of the Deliberable 2(b) Regional Assessment on biodiversity and ecosystem services for Europe and Central Asia in the **Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES)**.
- Since 2015. Member of the Advisory Board of the collaborative EU Horizon 2020 project: **ESMERALDA - Enhancing ecosystem services mapping for policy and decision making.**
- Since 2015. Member of the Mountain Sentinels Collaborative Network.
- Since 2014. Member of the Transformative Adaptation Research Alliance network.
- 2014. Member of the team for defining and reviewing the **Sustainability Development Goals (SDGs)** at the International Council of Science (ICSU) and International Social Science Council (ISSC).
- Since 2014. Member of the Scientific Committee of the **Programme on Ecosystem Change and Society (PECS)**, program of Future Earth.
- Since 2013. Member of the Scientific Committee of **ecoSERVICES (DIVERSITAS)**, program of Future Earth.
- 2013-2016. Member of the VESPLAN network ((Vulnerability, Ecosystem Services and Rural Territorial Management), financed by the CYTED - Ibero-American Programme for Science, Technology and Development.
- 2013. Member of the experts group for creating the Conceptual Framework in the **Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES)**.
- 2012-2016. Member of the working groups 'Biodiversity and Ecosystems Functioning', 'Value Integration' and 'Mediterranean Climate Ecosystems' within the Ecosystem Service Partnership (ESP) network.

#### **ORGANIZATION OF CONFERENCE AND SYMPOSIA**

- 2017. Member of the Organization and Scientific Committee of II Conference of the Programme of Ecosystem Change and Society (PECS): Place-based transdisciplinary research for global sustainability. Oaxaca (Mexico), 7-10 November 2017.
- 2017. Member of the Scientific Committee of the V International Conference of Ecosystem Services in Neotropics. Oaxaca (Mexico), 13-16 November 2017.

- 2017. Member of the Scientific Committee of XIV MEDECOS & XIII AEET conference: Human driven scenarios for evolutionary and ecological changes. Sevilla (Spain), 31<sup>st</sup> January-4<sup>th</sup> February 2017.
- 2015. Member of the Scientific Committee of PECS 2015: Social-ecological dynamics in the Anthropocene. Stellenbosch (South Africa), November 3<sup>rd</sup>-5<sup>th</sup> 2015.
- 2015. Member of the Scientific Committee of the IV International Conference of Ecosystem Services in Neotropics. Mar de Plata (Argentina), September 30<sup>th</sup> - October 3<sup>rd</sup> 2015.
- 2015. Member of the Scientific Committee of the V National Conference of Biodiversity. Villa de la Orotava (Spain), 6-8 Mayo 2015.
- 2014. Co-organized the session 'Challenges in exploring the relationship between biodiversity and ecosystem services at different spatial scales' (with Patricia Balvanera and Isabelle Durance) in the ESP7. San José (Costa Rica), 8-12 September 2014.
- 2014. Co-organized the session 'The role of visual arts as a communication tool in scenario planning' (with Jan Hanspach) in the Resilience 2014: Adaptation, Transformation & Development. Montpellier (France), 4-8 May 2014.
- 2013. Co-organized the session 'Ecosystem services and the interface between supply and demand' (with Ilse Geijzendorffer and Philip Roche) in the ALTER-Net Conference 2013: Science underpinning the EU 2020 Biodiversity Strategy. Ghent (Belgium), 15-18 April 2013.

#### **EDITORIAL BOARDS**

- 2014- Associate Editor of International Journal of Biodiversity Science, Ecosystem Services & Management
- 2014- Member of the Editorial Board of Ecology & Society
- 2014-2016. Associate Editor of Rangeland Ecology and Management

#### **REVIEWER ACTIVITIES IN JOURNALS**

*AMBIO; Biological Conservation; Conservation Biology; Conservation Letters; Current Opinion in Environmental Sustainability; Ecological Applications; Ecological Complexity; Ecological Economics; Ecological Indicators; Ecology & Society; Ecosystems; Ecosystem Services; Endangered Species Research; Environment, Development and Sustainability; Environmental Science and Policy; Frontiers in Ecology and the Environment; Global Environmental Change; Journal of Environmental Management; Landscape Ecology; Land Use Policy; Marine Policy; Nature Climate Change; Philosophical Transactions of the Royal Society-B; PLoS ONE; Regional Environmental Change; and Iberoamerican Journal of Ecological Economics (Revista Iberoamericana de Economía Ecológica).*

#### **OTHER REVIEWER ACTIVITIES**

- 2015. Reviewer Editor for Chapter 5 of IPBES deliverable 3(a) - Assessment of pollinators, pollination and food production.
- 2014. Reviewer of Chapter-Target 2: Integration of biodiversity values. Global Biodiversity Outlook 4.

#### **PARTICIPATION IN EVALUATION COMMITTEES OF SCIENTIFIC PROJECTS**

- 2016. Project evaluator for the Social Sciences and Humanities Research Council of Canadá.
- 2014. Project evaluator for the BiodivERsA/FACCE-JPI, European Commission.
- 2014. Project evaluator for the NILS Science and Sustainability Mobility Project, UCM and EEA grant.
- 2013. Project evaluator for the European COST Actions, European Commission.

- 2012. Project evaluator for the BiodivERsa network, European Commission.
- 2011. Project evaluator for the Net Biome (<http://www.netbiome.org/>) network, European Commission.
- 2009. Project evaluator for the Banco de Bilbao y Vizcaya (BBVA) Foundation, Spain.

#### **PARTICIPATION IN PHDS COMMITTEES**

- Violeta Hevia (2017) Universidad Autónoma de Madrid, Spain.
- Boris van Zanten (2016) VU University Amsterdam, The Netherlands.
- Hanna Sinare (2016) Stockholm University, Sweden.
- Álvaro Fernández-Llamazares (2015) Universidad Autónoma de Barcelona, Spain.
- Amanda Jiménez (2015) Universidad Autónoma de Madrid, Spain.
- María Felipe Lucía (2015) Universidad Pablo Olavide, Sevilla, Spain.
- Paula Meli (2014) Universidad de Alcalá, Madrid, Spain.
- Alexander Rincón (2013) Universidad Autónoma de Barcelona, Spain.
- Daniel Martín Collado (2013) Universidad Politécnica de Madrid, Spain.
- F. Zorondo Rodríguez (2012) Universidad Autónoma de Barcelona, Spain.
- M. Trabucchi (2012) Universidad de Zaragoza, Spain.
- L.M. Saavedra. (2012) University of New Hampshire, Durham - New Hampshire, United States.
- L. Rico García-Amado (2012) Universidad Autónoma de Madrid, Spain.