

CURRICULUM VITAE

August 2025

Name:	Alejandro Caparrós
Birth:	Madrid (Spain). March 17, 1970
Professional address:	Durham University Business School Department of Finance and Economics Mill Hill Lane, Room 369, DH1 3LB, U.K.
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CURRENT POSITIONS

(Full) Professor of Economics, Department of Economics, Business School. University of Durham, United Kingdom. Since 2021.

Co-Director, Centre for Environmental and Energy Economics (CE3). University of Durham. Since 2021.

Director of the PhD Programme in Economics, University of Durham. Since 2022.

Research Professor (Profesor de Investigación). Institute for Public Goods and Policies (IPP), Spanish National Research Council (*Consejo Superior de Investigaciones Científicas*, CSIC). Madrid, Spain. On leave.

EDUCATION

Ph.D. in Economics, University Complutense Madrid, 2001.

MSc and Bachelor in Economics, CUNEF, Madrid, 1993.

LLM and Bachelor in Law, University Complutense and UNED, Madrid, 2008.

PREVIOUS POSITIONS

Director, Institute for Public Goods and Policies (IPP), CSIC. 2015-2019.

Director, Centre for Human and Social Sciences (CCHS), CSIC. 2017-2018.

Deputy Director, Centre for Human and Social Sciences (CCHS), CSIC. 2015-2017.

Deputy Director, Institute for Public Goods and Policies (IPP), CSIC. 2014-2015.

Senior Researcher (Investigador Científico). IPP-CSIC. Madrid, Spain. 2007-2022.

Senior Researcher (Científico Titular). IPP-CSIC. Madrid, Spain. 2007-2022.

Lecturer, University Carlos III, Madrid. 2005-2006 and 2010-2020. Part time (25%)

Lecturer, University of Paris-Est, France, 2003-2004.

Postdoctoral Research Fellow, *Enforcing Environmental Policy (EEP). Research Training Network on the legal and economic instruments of climate change and air pollution policies*. Human Potential Program – Marie Curie (European Commission). CIRED – Centre National de la Recherche Scientifique (CNRS), France. 2001- 2003.

Research Fellow, CSIC, 1999-2001.

Research Fellow, University Complutense Madrid, 1997-1999.

Visiting Research Fellow: University Göttingen, Germany (2000/2001); University of California at Berkeley, US (2003, 2006-2007, 2010, 2011, 2012); University of Marne-la-Vallée, France (2004); University Paris II, France, (2004); University Paris Est, France (2008), University of Exeter, UK (2011), University of Bath, UK (2012, 2013, 2014, 2015, 2016), University of Innsbruck, Austria (2016), University of Columbia, US (2018).

PUBLICATIONS

Articles in refereed journals

Game theory and International Environmental Agreements

1. Caparrós, A., Blanco, E. and Finus, M., 2025. Institution Formation in Weakest-Link Games. *Journal of Economic Behavior and Organization* 233: 106943.
2. Vosooghi, S. and Caparrós, A., 2022. Information Disclosure and Dynamic Climate Agreements: Shall the IPCC reveal it all? *European Economic Review* 143:104242.
3. Caparrós, A. and Péreau, J.C., 2021. Inefficient Coasean Negotiations over Emissions and Transfers. *Journal of Economic Behavior and Organization* 189: 359-378.
4. Caparrós, A. and Finus, M., 2020. The Corona-Pandemic: A Game-Theoretic Perspective on Regional and Global Governance. *Environmental and Resource Economics* 76:913–927.
5. Caparrós, A. and Finus, M., 2020. Public Good Agreements under the Weakest-link Technology. *Journal of Public Economic Theory* 22(3): 555-582.
6. Caparrós, A. and Péreau, J.C., 2017. Multilateral Versus Sequential Negotiations over Climate Change. *Oxford Economic Papers* 69(2): 365–387.
7. Caparrós, A., 2016. Bargaining and International Environmental Agreements. *Environmental and Resource Economics* 65(1): 5–31.
8. Caparrós, A., 2016. The Paris Agreement as a step backward to gain momentum: Lessons from and for theory. *Revue d'Économie Politique* 126(3): 347-356.
9. Caparrós, A. and Pereau, J.-C., 2013. Forming coalitions to negotiate North-South climate agreements. *Environment and Development Economics* 18: 69-92.
10. Caparrós, A., Giraud-Héraud, E. Hammoudi, A. and Tazdaït, T., 2011. Coalition Stability with Heterogeneous Agents. *Economics Bulletin* 31(1): 286-296.
11. Caparrós, A. Pereau, J.-C. and Tazdaït, T., 2010. Mutual Aid: an Indirect Evolution Analysis. *Rationality and Society* 22(1): 103-128.
12. Caparrós, A., Pereau, J.-C. and Tazdaït, T., 2004. North-South Climate Change Negotiations: a Sequential Game with Asymmetric Information. *Public choice*, 121 (3-4): 455-480.
13. Caparrós, A., Pereau, J.-C. and Tazdaït, T., 2003. Coalition et Accords Environnementaux Internationaux. *Revue Française de Économie*, 2(18): 199-232.
14. Caparrós, A., Pereau, J.-C. and Tazdaït, T., 2003. Le comportement coopérative à la lumière de deux conceptions de la moralité: devoir et choix. *Ethique économique/Ethics and Economics*, 1: 1-22.

Ecosystem Accounting and Environmental Valuation

15. King, S., Ginsburg, A., Driver, A., Belle, E.M.S., Campos, P., Caparrós, A., Zaman, H., Brown, C., 2023. Accounting for protected areas: Approaches and applications. *Ecosystem Services* 63: 101544.
16. Campos P, Mesa B, Álvarez A, Oviedo JL, Caparrós A., 2022. Towards measuring environmental income through a refined United Nations SEEA EA: Application to publicly-owned, protected, pine-forest-farm case studies in Andalusia, Spain. *Ecological Economics* 201: 107570.
17. Oviedo, J.L., Campos, P., Caparrós, A., 2022. Contingent valuation of landowner demand for forest amenities: application in Andalusia, Spain. *European Review of Agricultural Economics*, 49(3): 615–643.
18. Campos P, Álvarez A, Mesa B, Oviedo JL, Caparrós A 2021. Linking standard Economic Accounts for Forestry (EAF) and ecosystem accounting: total forest incomes and environmental assets in publicly-owned conifer farms in Andalusia-Spain. *Forest Policy and Economics* 128: 102482.
19. Hein, L., Bagstad, K.J., Obst, C., Edens, B., Schenau, S., Castillo, G., Soulard, F., Brown, C., Driver, A., Bordt, M., Steurer, A. and Caparrós, A., 2020. Global progress in natural capital accounting. *Science* 367 (6477): 514-515.
20. Campos P, Oviedo JL, Alvarez A, Ovando P, Mesa B, Caparros A., 2020. Measuring environmental incomes beyond standard national and ecosystem accounting frameworks: testing and comparing the Agroforestry Accounting System in holm oak dehesa case study in Andalusia-Spain. *Land Use Policy* 99: 104984.

21. Campos P., Álvarez, A., Oviedo, J.L., Ovando, P., Mesa, B., Caparrós, A. 2020. Environmental incomes: refined standard and extended accounts applied to cork oak open woodlands in Andalusia, Spain. *Ecological Indicators* 117, 106551: 1-29.
22. Díaz, M., Concepción, E.D., Oviedo, J.L., Caparrós, A., Farizo, B.A., and Campos, P. 2020. A comprehensive index for threatened biodiversity valuation. *Ecological Indicators* 108, 105696: 1-8.
23. Campos, P., Álvarez, A., Mesa, B., Oviedo, J.L., Ovando, P., Caparrós, A. 2020. Total income and ecosystem service sustainability index: accounting applications to holm oak dehesa case study in Andalusia-Spain. *Land Use Policy* 97, 104692: 1-41.
24. Campos, P., Álvarez, A., Oviedo, J.L., Ovando, P., Mesa, B., Caparrós, A., 2020a. Income and ecosystem service comparisons of refined National and Agroforestry Accounting frameworks: Application to holm oak open woodlands in Andalusia, Spain. *Forests* 11, 185. doi:10.3390/f11020185
25. Campos, P., Álvarez, A., Oviedo, J.L., Ovando, P., Mesa, B., Caparrós, A., 2020b. Refined Systems of National Accounts and Experimental Ecosystem Accounting versus the simplified Agroforestry Accounting System: Testing in Andalusian holm oak open woodlands. *Forests* 11, 393. doi:10.3390/f11040393
26. Campos, P., Oviedo, J.L., Alvarez, A., Mesa, B., and Caparros, A. 2019. The role of non-commercial intermediate services in the valuations of ecosystem services: Application to cork oak farms in Andalusia, Spain. *Ecosystem services* 39, 100996: 1-18.
27. Campos, P., Caparros, A., Oviedo, J.L., Ovando, P., Alvarez-Farizoa, B., Diaz-Balteiro, L., Carranza, J., Begueria, S., Diaz, M., Herruzo, C. Martinez-Peña, F., Soliño, M., Alvarez, A., Martinez-Jauregui, M., Pasalodos-Tato, M., de Frutos, P., Aldea, J., Almazan, E., Concepcion, E.D., Mesa, B., Romero, C., Serrano-Notivoli, R., Fernandez, C., Torres-Porras, J., and Montero, G., 2019. Bridging the Gap Between National and Ecosystem Accounting Application in Andalusian Forests, Spain. *Ecological Economics* 157: 218–236.
28. Caparrós, A., Oviedo, J.L., Álvarez, A. and Campos, P., 2017. Simulated Exchange Values and Ecosystem Accounting: Theory and Application to Free Access Recreation. *Ecological Economics* 139: 140–149.
29. Ovando P., Caparros, A., Diaz-Balteiro, L., Pasalodos, M., Begueria, S., Oviedo, J.L., Montero, G., and Campos, P., 2017. Spatial Valuation of Forests' Environmental Assets: An Application to Andalusian Silvopastoral Farms. *Land Economics* 93 (1): 87–108.
30. Oviedo, J.L., Caparrós, A., Ruiz-Gauna, I., Campos, P. 2016. Testing convergent validity in choice experiments: Application to public recreation in Spanish stone pine and cork oak forests. *Journal of Forest Economics* 25: 130–148.
31. Ovando P., Campos, P., Oviedo, J.L., and Caparros, A., 2016. Ecosystem accounting for measuring total income in private and public agroforestry farms. *Forest Policy and Economics* 71: 43–51.
32. Oviedo, J.L. and Caparrós, A., 2015. Information and visual attention in contingent valuation and choice modeling: field and eye-tracking experiments applied to reforestations in Spain. *Journal of Forest Economics* 21: 185–204.
33. Oviedo, J.L., Huntsinger, L., Campos, P. and Caparrós, A., 2012. Income value of private amenities assessed in California oak woodlands. *California Agriculture* 66(3): 91-96.
34. Gafo Gomez-Zamalloa, M., Caparros, A. and A. Ayanz, S.-M., 2011. 15 years of Forest Certification in the European Union. Are we doing things right? *Forest Systems* 20(1): 81-94.
35. Caparrós, A., 2010. Contabilidad Nacional Verde en el Sector Forestal. *Cuadernos de la Sociedad Española de Ciencias Forestales* 31: 251-262.
36. Campos, P., Oviedo, J.L., Caparrós, A., Huntsinger, L. and Coelho, I., 2009. Contingent Valuation of Woodland-Owner Private Amenities in Spain, Portugal and California. *Rangeland Ecology and Management* 62(3): 240-252.
37. Campos, P. and Caparrós, A., 2009, Can we use non-market valuation techniques in green national accounting applied to forests? *Austrian Journal of Forest Science* 126 (1-2): 53-74.
38. Caparrós A., Oviedo, J.L. and Campos, P., 2008. Would you choose your preferred option? Comparing choice and recorded ranking experiments. *American Journal of Agricultural Economics* 90(3): 843-855.
39. Cerdá, E. Caparrós, A. and Ovando, P., 2008. Bioenergía en la Unión Europea. *Ekonomiaz – Revista Vasca de Economía* 67: 156-181.
40. Campos, P., Caparrós, A., Oviedo, J.L. and Ovando, P., 2008. La renta ambiental de los bosques. *Arbor* 729: 57-69.

41. Campos, P., Caparrós A., and Oviedo, J.L., 2007. Comparing Payment-Vehicle Effects in Contingent Valuation Studies for Recreational Use in two Spanish Protected Forests. *Journal of Leisure Research* 39(1): 60-85.
42. Campos, P., Bonnieux, F., Caparrós, A. and Paoli, J.C., 2007. Measuring Total Sustainable Incomes from Multifunctional Management of Corsican Maritime Pine and Andalusian Cork Oak Mediterranean Forests. *Journal of Environmental Planning and Management* 50(1): 65-85.
43. Campos, P. and Caparrós, A., 2006. Social and private total Hicksian incomes of multiple use forests in Spain. *Ecological Economics* 57: 545-557.
44. Campos, P., Oviedo, J.L. and Caparrós, A., 2005. Un sistema de cuentas para la valorización de los efectos comerciales y ambientales del gasto público en la mitigación del fuego en el bosque mediterráneo. *Investigación Agraria: Sistemas y Recursos Forestales* 14(1): 110-121.
45. Caparrós A., Campos, P. and Montero, G., 2003. An Operative Framework for Total Hicksian Income Measurement: Application to a Multiple Use Forest. *Environmental and Resource Economics* 26: 173-198.
46. Caparrós, A. and Campos, P., 2002. Valoración de los usos recreativo y paisajístico en los pinares de la sierra de Guadarrama. *Revista Española de Estudios Agrosociales y Pesqueros* 195: 121-146.
47. Caparrós, A., Campos, P. and Montero, G., 2001. Applied multiple use forest accounting in the Guadarrama pinewoods (Spain). *Investigación Agraria: Sistemas y Recursos Forestales* FS 1: 93-110.
48. Campos, P., Rodríguez, Y. and Caparrós, A., 2001. Towards the Dehesa total income accounting: theory and operative Monfragüe study cases. *Investigación Agraria: Sistemas y Recursos Forestales* FS 1: 45-69.

Pollution Control and Climate Policy

49. Caparrós, A., Just, R. and Zilberman, 2015. Dynamic relative standards versus emission taxes in a putty-clay model. *Journal of the Association of Environmental and Resource Economists* 2(2): 277-308.
50. Caparrós, A. Pereau, J.-C. and Tazdaït, T., 2013. Emission trading and international competition: The impact of labor market rigidity on technology adoption and output. *Energy Policy* 55: 36-43.
51. Caparrós, A. and McDonnell S., 2013. Long run transitions to sustainable economic structures in the European Union and beyond (Editorial) *Energy Policy* 55: 1-2.
52. Hernández, F., Gual, M.A., Del Río, P. and Caparrós, A., 2004. Energy Sustainability and Global Warming in Spain. *Energy Policy*, 32: 383-394.

Climate Change Policy and Carbon Sequestration

53. Soliño, M., Oviedo, J.L. and Caparrós, A., 2018. Are forest landowners ready for woody crops? Preferences for afforestation programs in Southern Spain. *Energy Economics* 73: 239-247.
54. Caparrós, A., Ovando, P., Oviedo, and Campos, P., 2011. Accounting for carbon in avoided degradation and reforestation programmes in Mediterranean forests. *Environment and Development Economics* 16(4): 405-428.
55. Caparrós, A., Cerdá, E., Ovando, P. and Campos, P., 2010. Carbon Sequestration with reforestations and biodiversity-scenic values. *Environmental and Resource Economics* 45: 49-72.
56. Ovando, P. and Caparrós, A., 2009. Land Use and Carbon Mitigation in Europe: A Survey of the Potentials of Different Alternatives. *Energy Policy* 37(3): 992-1003.
57. Caparrós, A., 2009. Delayed Carbon Sequestration and Rising Carbon Prices. *Climatic Change* 96 (3): 421-441.
58. Caparrós, A., Campos, A. and Martín, D., 2003. Influence of carbon dioxide abatement and recreational services on optimal forest rotation. *International Journal of Sustainable Development* 6(3): 345-358.
59. Caparrós, A. and Jacquemont, F., 2003. Conflicts between biodiversity and carbon offset programs: economic and legal implications. *Ecological Economics* 46: 143-157.
60. Jacquemont, F. and Caparrós, A., 2002. The Convention on Biological Diversity and the Climate Change Convention ten years after Rio: towards a synergy of the two regimes? *Review of European Community and International Environmental Law* 11(2): 169-180.

Books

61. Campos, P. and Caparrós, A., 2016 (eds). Valoración de los servicios públicos y la renta social de los sistemas forestales de Andalucía (*Valuation of public services and social income in forest ecosystems in Andalusia*). Editorial CSIC, Madrid.
62. Finus, M. and Caparrós, A., 2015 (eds.). *Game Theory and International Environmental Cooperation: Essential Readings*. The International Library of Critical Writings in Economics, Edward Elgar.
63. Tazdaït, T., Pereau, J.-C. and Caparrós, A., 2005. Coopération et Jeux non-coopératifs: Dilemme du prisonnier, rationalité, équilibre. (*Cooperation and non-cooperative games: Prisoners' dilemma, rationality and equilibrium*) Editions du CNRS, Paris 207pp.

Book chapters

64. Patt, A., Rajamani, L., Bhandari, P., Boncheva, A.I., Caparrós, A., Djemouai, K., Kubota, I., Peel, J., Sari, A.P., Sprinz, D.F., Wettestad, J., 2023. International cooperation. In .R. Shukla, J. Skeea, R. Slade, A. Al Khouradajie, R. van Diemen, D. McCollum, M. Pathak, S. Some, P. Vyas, R. Fradera, M. Belkacemi, A. Hasija, G. Lisboa, S. Luz, J. Malley, (eds.), *IPCC, 2022: Climate Change 2022: Mitigation of Climate Change. Contribution of Working Group III to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change*. Cambridge University Press, Cambridge, UK and New York, NY, USA. doi: 10.1017/9781009157926.016
65. Caparrós, A. 2021. Bargaining and Climate Change Negotiations. In E. Karagozoglu, and K.B. Hyndman (eds.), *Bargaining: Current Research and Future Directions*. Palgrave Mcmillan.
66. Sanz-Menéndez, L., Cruz-Castro, L. and Caparrós, A., 2017. Credibilidad de la información científica y confianza de los ciudadanos en las instituciones: un diseño experimental sobre el cambio climático y las emisiones de CO2. In: *Percepción social de la ciencia y la tecnología 2016* (Lobera, J., ed.). FECYT.
67. Álvarez-Farizo B., Oviedo J.L., Soliño M., Caparrós A., Campos P., Díaz M., Concepción E.D., Montero G., 2016. Valoración ambiental de los servicios del paisaje y la biodiversidad amenazada de los sistemas forestales de Andalucía. In: *Valoración de los servicios públicos y la renta total social de los sistemas forestales de Andalucía* (Campos P., Caparrós A., eds). Editorial CSIC.
68. Caparrós A., Campos P., Oviedo J.L., Ovando P., Álvarez-Farizo B., Díaz-Balteiro L., Montero G., Carranza J., Beguería S., Díaz M., Herruzo C., Martínez-Peña F., Soliño M., Álvarez A., Martínez-Jauregui M., Pasalodos-Tato M., De Frutos P., Aldea, J., Almazán E., Concepción E.D., Mesa B., Romero C., Serrano-Notivol R., Fernández C., Torres-Porras J., 2016. Renta total social y capital georreferenciados de los sistemas forestales de Andalucía. In: *Valoración de los servicios públicos y la renta total social de los sistemas forestales de Andalucía* (Campos P., Caparrós A., eds). Editorial CSIC.
69. Oviedo J.L., Álvarez-Farizo B., Caparrós A., Campos P., 2016. Valoración ambiental de servicios recreativos públicos de los sistemas forestales de Andalucía. In: *Valoración de los servicios públicos y la renta total social de los sistemas forestales de Andalucía* (Campos P., Caparrós A., eds). Editorial CSIC.
70. Díaz-Balteiro L., Caparrós A., Campos P., Almazán E., Ovando P., Álvarez A., Voces R., Romero C., 2015. Economía privada de productos leñosos, frutos industriales, bellota, pastos y el servicio del carbono en los sistemas forestales de Andalucía. In: *Economía y selviculturas de los montes de Andalucía* (Campos P., Díaz-Balteiro L., eds). Editorial CSIC
71. Ovando P., Campos P., Mesa B., Álvarez A., Fernández C., Oviedo J.L., Caparrós A., Álvarez-Farizo B., 2015. Renta y capital de estudios de caso de fincas agroforestales de Andalucía. In: *Renta total y capital de las fincas agroforestales de Andalucía* (Campos P., Ovando P., eds). Editorial CSIC.
72. Oviedo J.L., Campos P., Caparrós A., 2015. Valoración de servicios ambientales privados de propietarios de fincas agroforestales de Andalucía. In: *Renta total y capital de las fincas agroforestales de Andalucía* (Campos P., Ovando P., eds). Editorial CSIC.
73. Caparrós, A., Huntsinger, L., Oviedo, J.L., Plieninger, T. and Campos, P., 2013. Economics of Ecosystem Services. In Campos, P., Huntsinger, L., Oviedo, J.L., Starrs, P., Díaz, M., Standiford, R. and Montero, G.:(ed.) *Mediterranean Oak Woodland Working Landscapes: Dehesas of Spain and Ranchlands of California*. Springer.
74. Del Río, P., Hernández, F. and Caparrós, A., 2008. The economic literature on climate policy research: the state of the art and some directions for further research. In Peretz, L. (ed.), *Climate Change Research Progress*. Nova Science Publishers: 85-122.

75. Campos, P., Caparrós, A., Oviedo, J. L. and Ovando, P., 2008. La renta total social de los montes. In Campos, P., Casado, J.M. (eds.), *Gestión del medio natural en la península Ibérica: economía y políticas públicas*. Consejo General de Colegio de Economistas de España, Madrid: 13-56.
76. Campos, P.; Caparrós, A.; Cerdá, E., Huntsinger, L. and Standiford, R., 2007. Modeling multifunctional agroforestry systems with environmental values: dehesa in Spain and woodland ranches in California. In: Andrés Weintraub, Tron Bjørndal, Rafael Epstein and Carlos Romero (Editors). *Management of Natural Resources: A Handbook of Operations Research Models, Algorithms, and Implementations*. Kluwer's International Series in Operations Research and Management Science, Frederick S. Hillier, Series Editor. Kluwer Academic Publishers
77. Campos, P., Caparrós, A. and Montero, G., 2007. Economía de uso múltiple de los pinares de la Sierra de Guadarrama. In P. Campos y M. Carrera (eds.), *Parques nacionales y desarrollo local*. Thomson-Civitas: 167-232.
78. Caparrós, A. Pereau, J.-C. and Tazdaït, T. 2006. Cooperation and Reciprocity. In J. Ballet and D. Bazin (eds). *Positive Ethics in Economics*. Transaction Publishers: 63-92.
79. Caparrós, A. and Jacquemont, F., 2005. Biodiversity and carbon sequestration in forests: economic and legal issues. In M. Bothe and E. Rehlinger (eds.) *Climate Change Policy*. Eleven International Publishers, Utrecht : 149-182.
80. Buchner, B., Caparrós, A. and Tazdaït, T. 2005. Ancillary benefits and the Clean Development Mechanism. In M. Bothe and E. Rehlinger (eds.) *Climate Change Policy*. Eleven International Publishers, Utrecht : 131-148.
81. Campos, P., Caparrós, A. and Sanjurjo, E. 2005. Spain. In M. Merlo y L. Croitoru (Editores), *Valuing Mediterranean Forests: Towards Total Economic Value*. CABI, Cambridge: 319-330.
82. Campos, P. and Caparrós, A., 2003. Keynotes on forestlands income theory in the context of extending national economic systems of accounts. In L. Jiménez and F. Higón (eds.), *Ecología y economía para un desarrollo sostenible*. Universidad de Valencia, Valencia 185-204.
83. Caparrós, A. and Campos, P., 2004. Renta total social versus privada del uso múltiple de los bosques. In P. Campos and J.M. Casado (eds.) *Contabilidad Nacional Ambiental Integrada*. Consejo General de Colegios de Economistas de España, Madrid: 75-91.
84. Campos, P., Rodríguez Y. and Caparrós, A., 2004. La contabilidad nacional ambiental integrada en la dehesa. In P. Campos and J.M. Casado (eds.) *Contabilidad Nacional Ambiental Integrada*. Consejo General de Colegios de Economistas de España, Madrid: 200-230.
85. Campos, P., Caparrós, A. and García, C., 1998. Valoración económica de la contribución de las repoblaciones con *Pinus sylvestris* L. a la fijación de dióxido de carbono (CO₂) en la Comunidad de Madrid. In *III Forum de Política Forestal*. Centre Tecnològic Forestal de Catalunya, Solsona: 177-193.
86. Campos, P. and Caparrós, A., 1999. Análisis económico de la fijación de carbono por el pino silvestre. In F. Hernández (ed.) *El calentamiento global en España: un análisis de sus efectos económicos y ambientales*. CSIC, Madrid : 141-162.
87. Martín, D., Campos, P., Caparrós A. and Cerdá, E., 1999. An optimal control model of the Spanish Dehesa. In L. Sisak, H. Jöbstl and M. Merlo (eds.), *From Theory to Practice – Gaps and Solutions in Managerial Economics and Accounting in Forestry*. IUFRO, Praga: 141-155.

AWARDS

Second Prize in the Madrid Regional Economics Prize for the PhD Thesis '*Valoración económica del uso múltiple de un espacio natural: análisis aplicado en los pinares de la sierra de Guadarrama*' (Economic valuation of the multiple use of a natural area: analysis applied to the Pine forests of the Guadarrama Mountains). 2001.

RESEARCH PROJECTS

As PI:

1. Mapping and Assessment for Integrated Ecosystem Accounting (MAIA). Coordinator: Lars Hein (U.Wageningen). Funding: European Union, 3,002,007€ (188,250€ for CSIC). Participants: 18 European institutions. 2018-2022.

2. Transnational Environmental Public Goods and Behavioral Models: Biodiversity and Climate Change (TrEnGood) (co-PI with Jose L. Oviedo). Funding: Ministry of Science and Innovation (Spain) 42,350 €. 2018-2020.
3. Innovations in Climate Governance: Sources, Patterns and Effects (INOGOV). Cost Action (member of the Management Committee). 2014 - 2017.
4. Aggregation and accounting issues in environmental public goods (ACBPA). Funding: Ministry of Science and Innovation (Spain) 8,000€. 2013-2015.
5. Land use and climate change policy: theory and application in Andalusia (UTPCC). Funding: Ministry of Science and Innovation (Spain) 45,859€. Participants: CSIC (Spain) and Univeristy of Vigo (Spain). 2009-2012.
6. Paradigm Shifts Modelling and Innovative Approaches (PASHMINA). Coordinator: Loredana Marmora. Funding: European Union, 2,607,193€. Participants: ISIS (Italy), WIFO (Austria), IfW (Germany), CIRED-CNRS-EHESS (France), IPP-CSIC (Spain), FEEM (Italy), CUNI (Czech Republic), Enerdata (France), IIASA (Austria), MCRIT (Spain), AU (Denmark). 2009-2012.
7. Scanning Policy Scenarios for the Transition to Sustainable Economic Structures (TranSust.Scan). Coordinator: Stefan Schleicher (WIFO). Funding: European Union, 796,589 €. Participants: WIFO (Austria), IfW (Germany), ZEW, (Germany), LIFEA (Poland), CIRED-CNRS-EHESS (France), CSIC (Spain), ECN (Netherlands), University College Dublin (Ireland), FEEM (Italy), University of Hamburg (Germany), IVM (Netherlands), IEEP. 2006-2008.
8. Economic analysis of climate change mitigation strategies. A European perspective. Funding: CSIC and CNRS. Participants: CSIC and CNRS. 2004-2005.
9. Climate change policy after Kyoto: the role of reciprocity and development aid. Funding: CSIC and CNRS. Participants: CSIC and CNRS. 2006-2007.

Other participations in research projects:

10. Associated Laboratory on Linkages between Innovation and Environmental Sustainability (ALLIES) International research program 2019-2023 with GREThA (CNRS, Université de Bordeaux) (LIAFR20191).
11. Apoio à gestão das zonas húmidas do litoral do Sudoeste Ibérico: interações entre Aquacultura e meio Ambiente na região transfronteiriça Alentejo-Algarve-Andalusia (AQUA&AMBI). Funding: INTERREG V A España-Portugal (POCTEP) and European Regional Development Fund, 717,750 € (IPP: 63,999). Participants: IPMA, CTAQUA, UCA, IFAPA, SALARTE, AGAPA, CSIC. 2015-2019.
12. RECAMAN: Valoración de la Renta y el Capital de los Montes de Andalucía (EGMASA-NET165602). Funding: CMA-JA, 6,906,449 €. Participants: CSIC, UPM, INIA, UEX, CESEFOR. 2008-2012.
13. Modelos dinámicos de optimización para la gestión de sistemas agroforestales incorporando beneficios ambientales y comerciales: aplicación en el Parque Natural de los Alcornocales (DYNOPAGROF). Funding: CICYT, 32000 €. Participants: University Complutense, CSIC, University Pablo de Olavide, Universidad Europea of Madrid. 2006-2008.
14. Análisis prospectivo de las rentabilidades social y privada de las forestaciones de encinas y alcornoques del periodo 1994-2000 en el marco del Reglamento 2080/92. Funding: Fundación BBVA, 58000 €. Participants: CSIC and INIA. 2004-2006.
15. Valoración coste-beneficio ampliado a los servicios ambientales de los modelos selvícolas. (Proyecto: CPE03-001-C5). Funding: INIA, 56000 €. Participants: CSIC, INIA and UPM. 2005-2008.
16. Enforcing Environmental Policy Research Training Network. Funding: European Union, 219101 € (CIRED-CNRS). Participants: ELRC-FSUR (Germany), CERDEAU-Panthéon-Sorbonne (France), CIRED-CNRS (France), FIELD (UK), FEEM (Italy), Öko Institute (Germany). 2001-2003.
17. Desarrollo metodológico de un sistema de cuentas agroforestales que incorpore los bienes y servicios ambientales: Aplicación piloto en las dehesas de Monfragüe. Funding MAPA and Eurostat, 42000 € (CSIC). Participants: CSIC. 2001-2002.
18. Conservation and Restoration of European cork Oak woodlands: a unique ecosystem in the balance (CREOAK) (QLRT-2001-01594). Funding: European Union (LIFE), 59210 € (CSIC). 2002-2004.
19. Economic and silvicultural comparative study of Mediterranean forests in Spain and California. Funding: INIA, CSIC and University of California. Participants: CSIC, INIA, UC Berkeley. CSIC. 2002-2005.

20. Development of a survey to measure the economic value of the recreational use of the Parque Natural de los Alcornocales. Funding: Junta de Andalucía, 12000 €. Participants: CSIC. 2002-2003.
21. Income and Capital of the multiple use of the Cabeza de Hierro pinewood. Funding: S.A. Belga de los Pinares del Paular, 21000 €. Participants: CSIC. 2000-2003.
22. La influencia de la valoración ambiental en la gestión de los espacios naturales: una aplicación en la sierra de Guadarrama (AMB99-1161). Funding: CICYT, 35000 €. Participants: CSIC. 2000-2002.
23. Tools for Evaluating Investment in the Mediterranean Mountain Areas: an Integrated Framework for Sustainable Development (MEDMONT). Funding: European Union, 156340 € (CSIC). Participants: CSIC, Padova University (Italy), Reading University (UK), Olympos-CIEM (Greece), INEA (Italy), Athens University (Greece), INRA (France), INMA (Rumania). 2001-2004.
24. Economía y selvicultura del alcornocal (AGL2000-0936-C02-02). CICYT, 112000 €. Participants: CSIC, INIA, University of Cordoba. 2001-2003.
25. Beneficios comerciales y ambientales de la repoblación y la regeneración del arbolado del monte mediterráneo (REN2000-2009-E). CICYT, 4800 €. Participants: CSIC. 2001.
26. Rentabilidad privada y social de las repoblaciones forestales. Análisis aplicado a un grupo de dehesas de la comarca de Monfragüe (F096-040). Funding: CICYT, 55000 €. Participants: UCM and CSIC. 1997-2000.
27. Beneficios secundarios y coste neto de la reducción de emisiones por unidad marginal de CO₂ en la Comunidad de Madrid (06/0093/1997). Funding: Comunidad de Madrid, 15000 €. Participants: CSIC. 1998.
28. Balance neto anual de CO₂ en la Comunidad de Madrid. Valor Económico de la reducción de emisiones por unidad marginal de CO₂ (05E/008/96). Funding: Comunidad de Madrid, 20000 €. Participants: CSIC. 1997.

As consultant:

29. Support on ecosystem accounting: INCA 2021 – 2023 (tender lead by L. Hein). EUROSTAT – EUROPEAN COMMISSION. 2021-23.
30. Experimental Ecosystem Accounting Drafting Support. United Nations Statistics Division. 2020.
31. Environment and Natural Resource Management Socio-economic Survey for Mongolia (ENRMSS 2010). Funding: World Bank and NEMO Trust Fund. Participants: World Bank, National Statistics Office (Mongolia). 2008-2011.
32. Contingent valuation to the visitors of the pinewood of the S.A. Belga de los Pinares del Paular. Funding: S.A. Belga de los Pinares del Paular. 1999-2001.

TEACHING

Courses

- Environmental and Climate Economics (graduate). University of Durham. Since 2022.
- Environmental Economics and Policy (undergraduate). University of Durham. 2021-2023.
- Economic Methods (undergraduate). University of Durham. 2021, 2024.
- Introduction to the International Economy (undergraduate). University of Durham. 2021.
- Markets and the Environment (*grado*). University Carlos III, Madrid, Spain, 2010-2021.
- The Dynamics of International Negotiations over Public Goods, short PhD course. University of Bath, UK. 2016.
- Environmental and Resource Economics (*licenciado*). University Carlos III, Madrid, Spain, 2005-2006 and 2009-2010.
- International Industrial Economics (graduate). University Paris-Est, France (2003 and 2004).

PhD dissertations supervised (completed):

Moreno, P., 2017. Socioeconomic and environmental factors explaining land-use changes in Europe (co-supervisor: Jose L. Oviedo). University of Cádiz (Spain). *Sobresaliente cum laude*

Ruiz, I., 2017. Green national accounting: from theory to praxis (co-supervisor: Jose L. Oviedo). University of the Basque Country (Spain). *Sobresaliente cum laude*

Gafo, M., 2011. An evaluation of forest certification in the European Union (co-supervisor: Alfonso San Miguel Ayanz). Polytechnic University of Madrid (Spain). *Sobresaliente cum laude*

Oviedo, J.L., 2007. Recent developments in stated preference methods. Valuation of the environmental services provided by the Parque Natural Los Alcornocales (co-supervisor: Pablo Campos). University of Cádiz (Spain). *Sobresaliente cum laude*

SCIENTIFIC COMMITTEES

Scientific committee of the EAERE2003, EAERE2004, EAERE2012, EAERE2013, EAERE 2014, EAERE 2015, EAERE 2016, EAERE 2017, EAERE2018, EAERE 2019 and EAERE2020 annual conferences, European Association of Environmental and Resources Economists (EAERE).

Scientific committee of the AERNA2008, AERNA2010, AERNA2012 and AERNA2020 conferences, Spanish-Portuguese Association of Environmental and Resources Economists (AERNA).

Chair of the Organizing Committee of the AERNA2018 Conference.

Scientific committee of the 2009 and 2017 Spanish Forestry Congress, Sociedad Española de Ciencias Forestales (SECF), 2009.

Scientific committee of the 2009 ALEAR Conference, Latinamerica and Caribbean Association of Environmental and Resources Economists (ALEAR).

PROFESSIONAL ASSOCIATIONS

President, Spanish-Portuguese Association of Natural and Environmental Resource Economics (AERNA). 2020-2022.

Country Representative, Spain. European Association of Environmental and Resource Economists (EAERE). 2020-2022.

Coordinator, Research Group on Game Theory and the Environment, AERNA. Since 2015.

Incoming President, AERNA, 2018-2020

Vice-president, AERNA. 2015-2017.

Member of the Board, AERNA. 2009-2012.

Secretary of the Board, AERNA. 2005-2008.

EDITOR

Section Editor, *Forest Systems*. 2012-2023.

Special Issue Guest Editor, *Energy Policy*. 2012-2013

REFEREE

Journals: *American Journal of Agricultural Economics*, *Journal of Environmental Economics and Management*, *Journal of Public Economics*, *Public Choice*, *Journal of Public Economic Theory*, *Journal of Economic Dynamics and Control*, *Journal of the Association of Environmental and Resource Economists*, *European Review of Agricultural Economics*, *Environmental and Resource Economics*, *Ecological Economics*, *Environment and Development Economics*, *Games*, *Journal of Environmental Management*, *Mathematical and Computer Modelling*, *Agricultural Economics*, *Climate Policy*, *Land Use Policy*, *Forest Policy and Economics*, *Annals of the International Society of Dynamic Games*, *Strategic Behavior and the Environment*, *International Environmental Agreements: Politics, Law and Economics*, *Land Degradation and Development*, *Environmental Economics and Policy Studies*, *Investigación Agraria*, *Revista Española de Estudios Agrosociales y Pesqueros*, *Journal of Tropical Forest Science*, *Rangeland Ecology & Management*, *Scandinavian Forest Economics*.

CONTRIBUTION TO INTERNATIONAL ENVIRONMENTAL ASSESSMENTS

Lead Author for the chapter on international cooperation of the Working Group III contribution to the IPCC Sixth Assessment Report (AR6), Intergovernmental Panel on Climate Change (IPCC). 2019-2022.

Expert Reviewer IPCC WGIII Fifth Assessment Report (AR5). 2013.

Working Group on Forest Ecosystem Accounting. Responsible for monetary ecosystem accounts. United Nations Statistics Division. Since 2021.

LANGUAGES

Spanish: mother language.

German: mother language (bilingual)

English: good knowledge (TOEFL 630/650).

French: good knowledge.