

1. ACADEMIC TRAINING

- 2008** **PhD.-** Awarded with the **Extraordinary Doctorate Award** from the Department of Ecology (equivalent to *Summa Cum Laude*; year's best dissertation of the department)
Universidad de Alcalá, Madrid, Spain (Prof. José Maria Rey Benayas) and **Pyrenean Institute of Ecology-CSIC**, Zaragoza, Spain (Prof. Francisco A. Comin Sebastian), 2004-2008
- 2001** **B Eng.-** **Universidad Politécnica de Madrid**, Spain. Forest Engineering (6 years program), 1993-2000

2. RESEARCH POSITIONS

- 2014 -** **Ikerbasque Research Fellow. Basque Centre for Climate Change.** Bilbao, Spain.
- 2013 -2014** **Research fellow** (independent research). **Centre D'Ecologie Fonctionnelle & Evolutive** – CNRS (1 year), Montpellier (France)
- 2012 - 2013** **Jasper Ridge Restoration Fellow** (independent research). **Stanford University** (1.7 years). Jasper Ridge Biological Preserve.
- 2011** **Postdoctoral fellow. University of California, Berkeley** (1 year). National Centre for Earth-surface Dynamics Postdoctoral Fellow. PI: Prof. Mary E. Power.
- 2009 - 2010** **Postdoctoral fellow. University of California, Berkeley.** (2 years). Postdoctoral Fellow. Postdoctoral Mobility Fellowship, Spanish Ministry of Innovation and Science. PI: Prof. Mary E. Power.

3. PUBLICATIONS

ARTICLES IN PEER-REVIEWED JOURNALS (* INVITED CONTRIBUTIONS)

35. **Moreno-Mateos D**, Meli P, Aronson J, and Vara, MI. 2015. Ecosystem response to interventions: Lessons from restored and created wetland ecosystems. *Journal of Applied Ecology*. DOI: 10.1111/1365-2664.12518.
34. **Moreno-Mateos D**, Maris V, Bechet A, and Curran M. 2015. The true loss caused by biodiversity offsets. *Biological Conservation*. DOI:10.1016/j.biocon.2015.08.016
33. Aronson J, Murcia C, Kattan GH, **Moreno-Mateos D**, Dixon K, Simberloff D. 2014. The road to confusion is paved with novel ecosystem labels: a reply to Hobbs et al. *Trends in Ecology and Evolution* 29:646-647.
32. Murcia C, Aronson J, Kattan G, **Moreno-Mateos D**, Dixon K, Simberloff D. 2014. A 'critique' to the novel ecosystems concept. *Trends in Ecology and Evolution* 29:548-553. **Third most downloaded paper from the journal website in 2014 (published in September).**
31. Barbier E, **Moreno-Mateos D**, Rogers AD, Aronson J, Pendleton L, Van Dover CL, Danovaro R, Henry L- A, Morato T, Ardrón J. 2014. Protect the deep sea. *Nature* 505:475-477.

30. Donovan B, **Moreno Mateos D**, Osborne J, Bisaccio D. 2014. Revising the Economic Imperative for STEM Education. *PLOS Biology* 12: e1001760.
29. Van Dover C, Aronson J, Pendleton L, Smith S, Arnaud-Haond S, **Moreno-Mateos D**, Barbier E, Billett D, Bowers K, Danovaro R, Edwards A, Kellert S, Morato T, Pollard E, Rogers A, Warner R. 2014. Ecological Restoration in the Deep Sea: Desiderata. *Marine Policy* 44:98-106.
28. **Moreno Mateos D**. 2013. Is Embracing Change Our Best Bet? *Science* 341: 458-459.
27. Abraho R, Causape J, **Moreno-Mateos D**. Comin, F. 2013. Nitrate and salt water contamination associated with the transition of an agrarian basin into an irrigated area. *Water Environment Research* 85:105-112.
26. **Moreno-Mateos, D.**, Power, M.E., Comin, F.A., and Yockteng, R. 2012. Structural and functional loss in restored wetland ecosystems. *PLOS Biology* (10)1: e1001247. **Featured in *Nature* 481(7383):8 and *PLOS Biology* 10(1):e1001248. >21,000 downloads. Also, featured in hundreds newspapers and news websites from over 10 countries. A few selected examples from the US are: [The New York Times](#), [Los Angeles Times](#), [Mother Jones](#), [Science Daily](#), [PhysOrg](#), [MongaBay](#), and [The Earth Times](#).**
25. **Moreno-Mateos, D.**, Rey Benayas, J.M., Pérez-Camacho, L., de la Montana, E., and Rebollo, S. 2011. Effects of land use type on the nocturnal birds of a Mediterranean agricultural landscape. *Acta Ornithologica* 41: 173-182.
24. Rey Benayas, J.M., de la Montaña, E., Pérez Camacho, L., de la Cruz, M., **Moreno-Mateos, D.**, Parejo, J.L., and Suárez Seoane, S. 2010. Inter-annual dynamics and spatial congruence of a nocturnal bird assemblage inhabiting a Mediterranean agricultural mosaic. *Ardeola* 57:303-320.
23. **Moreno-Mateos, D.** and Comín, F.A. 2010. Integrating objectives and scales for planning and implementing wetland restoration in agricultural catchments. *Journal of Environmental Management* 91:2087-2095. **Featured on the European Commission's news service *Science for Environment Policy* Special Issue 32:1.**
22. **Moreno-Mateos, D.**, Mander, Ü., Comín, F.A., and Pedrocchi, C. 2010. Optimal Location of Created and Restored Wetlands in Mediterranean Agricultural Catchments. *Water Resources Management* 24:2485-2499.
21. Martín, E., **Moreno-Mateos, D.**, and Pedrocchi, C. 2010. Hydrochemical disturbances in Mediterranean streams affected by agricultural intensification. *Environmental Monitoring and Assessment* 167:423-435.
20. **Moreno-Mateos, D.**, Pedrocchi, C., and Comín, F.A. 2010. Influences of constructed wetlands on water quality in a semi-arid catchment degraded by intensive agricultural use. *Ecological Engineering* 36:631-639.
19. **Moreno-Mateos, D.**, Comín, F.A., Causapé, J., and Pedrocchi, C. 2009. The use of wetlands as buffering systems for nitrate release from irrigated agriculture in a semiarid watershed under land use transformation. *Wetlands* 29:1104-1113.
18. **Moreno-Mateos, D.**, Pedrocchi, C., and Comín, F.A. 2009. How wetland features influence on the structure of recent bird communities in irrigated agricultural catchments: design and management implications. *Biodiversity and Conservation* 18: 811-828.
17. **Moreno-Mateos, D.**, Pedrocchi, C., and Comín, F.A. 2008. Creation of wetlands for the improvement of saline soils degraded by agricultural uses in semi-arid areas. *Applied soil ecology* 40: 57-66.

16. **Moreno-Mateos, D.**, Mander, Ü., Comín, F.A., Pedrocchi, C., and Uuemaa, E. 2008. Relationships between landscape patterns, wetland characteristics, and runoff water quality in agricultural catchments. *Journal of Environmental Quality* 37: 2170-2180.
15. Comín, F.A., **Moreno, D.**, and Pedrocchi, C. 2008. Scenarios for the management of aquatic bird communities and wetland restoration after intensive agricultural land use and extensive land use cover changes in semi-arid territories. *Verh. Internat. Verein. Limnol.* 30, Part 4: 657-661.
14. Pedrocchi, C., **Moreno-Mateos, D.**, and Cervantes-Vallejos, J. 2007. Comunidades nidificantes de aves en pastos supraforestales pirenaicos. Su evolución a los largo del año. *Pirineos* 162: 109-124.
13. **Moreno, D.**, Pedrocchi, C., Comin, F.A. and Cabezas, A. 2007. Creating wetlands for the improvement of water quality and landscape restoration in semi-arid zones degraded by intensive agricultural use. *Ecological Engineering* 30: 103-111. [Most downloaded article from the journal website \(April to June 2007\)](#).
12. Comín, F. A., Menéndez, M., Pedrocchi, C., Moreno, S., Sorando, R., Cabezas, A., García, M., Rosas, V., **Moreno D.**, González, E., Gallardo, B., Herrera, J. A., and Ciancarelli, C. 2005. Wetland Restoration: Integrating Scientific-Technical, Economic, and Social Perspectives. *Ecological Restoration* 23: 182-186.

BOOK CHAPTERS (8)

11. ***Moreno Mateos D**, Palmer MA. Ch. 14. Watershed processes as drivers for aquatic ecosystem restoration. In: Palmer MA, Falk DA, Zedler JB, eds. *Foundations of Restoration Ecology*. 2nd Edition. Island Press. To be published in 2016.
10. *Ruhi Q, Fairchild GW, Spieles DJ, Becerra-Jurado G, **Moreno-Mateos D**. Chapter 15. Constructed and restored wetlands. In: Batzer D, Boix D Eds. *Invertebrates in Freshwater Wetlands: An interational perspective on their ecology*. Springer. To be published in 2016.
9. ***Moreno Mateos D**. Wetland restoration and creation: An overview. In: Finlayson M, ed. *Encyclopedia of Wetlands*. Vol. 3: Wetland Management. Springer. To be published in 2016.
8. ***Moreno Mateos D**. Wetland restoration success. In: Finlayson M, ed. *Encyclopedia of Wetlands*. Vol. 3: Wetland Management. Springer. To be published in 2016.
7. ***Moreno Mateos D**. Reference wetlands. In: Finlayson M, ed. *Encyclopedia of Wetlands*. Vol. 3: Wetland Management. Springer. To be published in 2016.
6. ***Moreno Mateos D**. Alternative states of restored and created wetlands. In: Finlayson M, ed. *Encyclopedia of Wetlands*. Vol. 3: Wetland Management. Springer. To be published in 2016.
5. ***Moreno Mateos D**, Aronson J. 2015. Pertes écologiques potentielles associées aux actions compensatoires de la restauration écologique. In: Levrel H, Frascaria-Lacoste N, Hay J, Martin G, eds. *Enjeux institutionnels, économiques et écologiques autour des mesures compensatoires pour la biodiversité*. Quae, Versailles. Pp. 210-215.
4. *Aronson J, **Moreno Mateos D**. 2015. Restauration écologique : Présent et futur, surtout à grande échelle. In: Levrel H, Frascaria-Lacoste N, Hay J, Martin G, eds. *Enjeux institutionnels, économiques et écologiques autour des mesures compensatoires pour la biodiversité*. Quae, Versailles. Pp. 162-169.

PUBLICATIONS IN BROAD AUDIENCE MAGAZINES (3)

3. ***Moreno Mateos D.** 2015. Límites de la restauración de humedales. *Investigación y Ciencia*, August 2015. (Spanish edition of *Scientific American*).
2. ***Moreno-Mateos, D.** 2012. Pushing the envelope of ecological restoration and ecosystem creation. *The Scientist*. Available at: [http://www.the-scientist.com/?articles.view/articleNo/33314/title/Opinion--Rescuing-Ecosystems/Featured in the Society for Ecological Restoration Newsletter 26\(3-4\):6](http://www.the-scientist.com/?articles.view/articleNo/33314/title/Opinion--Rescuing-Ecosystems/Featured%20in%20the%20Society%20for%20Ecological%20Restoration%20Newsletter%2026(3-4):6).
1. Perez, L., Rey, J.M., de la Montaña, E., **Moreno-Mateos, D.**, Rebollo, S., and Parejo, J.L. 2011. Las aves nocturnas en el paisaje agroforestal del Campo de Montiel. *Quercus* 306:16-25.

PUBLICATIONS IN REVIEW (2)

1. Meli P, Holl KD, Rey Benayas JM, Jones HP, Jones PC, Montoya D, **Moreno-Mateos D.** A global assessment of forest recovery. In review at *Frontiers in Ecology and the Environment*.
2. **Moreno Mateos D**, Piovia-Scott J, Power ME. Seasonal patterns of spatial aggregation of insects in aquatic-terrestrial gradients. In review at *Ecology*.

4. GRANTS AND FELLOWSHIPS (TOTAL ~€2.5 MILLION)

2014 - 2015	<i>National Socio-ecological Synthesis Centre (SESYNC; USA) – iDiv, UFZ (Germany)</i> . Type: Biodiversity and ecosystem services synthesis. Amount: \$100,000. Role: Principal investigator.
2012 - 2013	<i>Stanford University (USA)</i> . Type: Jasper Ridge Restoration Fellowship. Amount: \$168,000. Role: Recipient fellow.
2011	<i>National Centre for Earth Surface Dynamics (USA)</i> . Type: Postdoctoral fellowship. Amount: \$69,000. Role: Recipient fellow.
2011 - 2014	<i>European Commission</i> . Type: LIFE+ Environment. Amount: €1,850,000. Role: Proposal coordinator.
2009 - 2010	<i>Ministry for Innovation and Science of Spain</i> . Type: Postdoctoral fellowship. Amount: \$60,000. Role: Recipient fellow.
2007 - 2008	<i>Diputación Provincial de Huesca (Spain)</i> . Type: Research fellowship. Amount: €4,500. Role: Principal Investigator.
2006 - 2008	<i>Spanish Research Council (CSIC) and Gobierno de Aragón</i> . Type: PhD scholarship. Amount: €15,000. Role: Recipient student.
2006	<i>Instituto de Estudios Altoaragoneses</i> . Type: PhD scholarship. Amount: €9,000. Role: Recipient Student.
2007	<i>Caja de Ahorros de la Inmaculada and Gobierno de Aragón</i> . Type: Research scholarship. Amount: €3,000. Role: Recipient student.
2004 - 2006	<i>Spanish Research Council (CSIC)</i> . Type: PhD scholarship. Amount: €24,000. Role: Recipient student.

5. STUDENT SUPERVISION AND TEACHING

Supervision

2014	<i>Paula Meli</i> . PhD Committee member. Universidad de Alcalá de Henares, Spain. Student: Paula Meli.
2012 - 2013	<i>Minh Chau Ho</i> . Honor's thesis supervisor. Stanford University.
2010 - 2011	<i>Maria Isabel Vara Rodriguez</i> . Master's Thesis supervisor. Universidad de Alcalá de Henares, Spain.

- 2007** *Almudena Rodriguez Vila*. Graduation thesis supervisor. Universidad de Santiago de Compostela. Escuela Superior de Ingenieros Agronomos.
- Teaching*
- 2011-2015** Fundación Internacional para la Restauración de Ecosistemas (Spain), Instituto Nacional de Ecología y El colegio de la Frontera Sur (Mexico). Diplomado en línea: "Restauración de Ecosistemas y Servicios Ambientales". Four hour lectures per year and ~40 student evaluations.
- 2014** Paris Institute of Technology for Life, Food and Environmental Sciences (France). Master: "Environmental management of ecosystems and tropical forests". Master lecturer. 6 hour/year.
- 2012 - 2013** Stanford University. Undergraduate science apprentice program. No. students: 4.
- 2009 - 2012** University of California, Berkeley. Undergraduate science apprentice program. No. students: 6.

6. PROFESSIONAL EXPERIENCE

- 2008 - 2015** Vice-president of the '*Fundación Internacional para la Restauración de Ecosistemas*' (www.fundacionfire.org)
- 2002 - 2004** *Pirinea Consultores Tecnicos, SL*. (Spain). Department chair. Main tasks: Managing tasks, environmental impact assessments, rural tourism development, and environmental studies.
- 2001 - 2002** *Pirinea Consultores Tecnicos, SL*. (Spain). Environmental Consultant. Main tasks: Environmental impact assessments and forest projects.

7. EDITORIAL SERVICE

Associate editor: *Journal of Applied Ecology*.

Editor: Section J. "Wetland restoration and creation". Vol. 3: Wetland management. In: Finlayson, M. *Encyclopaedia of Wetlands*. Springer, New York.

Reviewer (over 40 papers): *PLoS Biology, Journal of Applied Ecology, Biological Conservation, Oryx, Ecological Engineering, Geoderma, Hydrological Processes, Journal of Environmental Management, Environmental Management, Journal of Environmental Quality, Journal of Arid Environments, Applied Soil Ecology, Bird Conservation International, Biotropica, Biological Invasions, Restoration Ecology, Ecosistemas, Herpetological Conservation and Biology, Wetlands Ecology and Management, and Ecological Restoration*.

8. CONFERENCES, SEMINARS, MEETINGS, AND WORKSHOPS (ONLY AS INVITED SPEAKER)

Communications as invited speaker

- | | | |
|-------------|---|------------------------------|
| 2015 | Opening presentation at the Master de Restauración de Ecosistemas | Universidad de Alcala, Spain |
| 2014 | Society of Wetland Scientists – Europe Meeting | Huesca, Spain |
| 2013 | Gaie – Colloque du Group d'acteurs de l'ingénierie écologique | ParisTech, France |
| 2012 | European Geosciences Union General Assembly | Vienna, Austria |
| 2012 | Tour du Valat Departamental Seminar | Camargue, France |
| 2012 | CEFE-CNRS Departamental Seminar | Montpellier, France |
| 2012 | Deep-sea Restoration Workshop | Sete, France |

2012 Departmental Seminar University of California,
Santa Cruz, USA

Service in conferences

2014	Member of the scientific committee	IX European Wetlands Congress	Huesca, Spain
2009	Conference secretary	7 th Conference of the Working Group on Aquatic Birds of the International Society of Limnology	Huesca, Spain
2005	Organizing committee	1 st World Congress on Ecological Restoration	Zaragoza, Spain