

BRIEF CURRICULUM VITAE

PERSONAL INFORMATION

FULL NAME: **Matías Enrique Mastrangelo**

BIRTH DATE: 6 July, 1982

PLACE OF BIRTH: Mar del Plata, Argentina

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RESEARCH INTEREST:

I'm interested in developing conceptual and methodological tools that contribute to our understanding of social and ecological change in rural areas of developing countries. I develop and apply these tools to understand how agricultural change at multiple scales (from landholders' decisions to regional land-use change) is affecting ecosystem services and human well-being in the Dry Chaco of Argentina, a global deforestation hotspot. My intention is that knowledge and tools from my scientific research could be used in the design and implementation of policy instruments for sustainability, such as rural land-use planning.

EDUCATION

2010-2013 Doctor of Philosophy (PhD) in Conservation Biology

School of Biological Sciences (SBS), Victoria University of Wellington (VUW), New Zealand

Thesis title: "*Conservation on the frontier: Understanding and influencing how cattle production impacts avian diversity in the Dry Chaco forests of Argentina*".

Supervisors: Dr. Michael Gavin, Dr. Wayne Linklater (SBS-VUW) and Dr. Pedro Laterra (Facultad de Ciencias Agrarias, Universidad Nacional de Mar del Plata)

2009-2010 Master of Science (MSc) in Environmental Studies

School of Geography, Environment and Earth Sciences, Victoria University of Wellington (VUW), New Zealand

Supervisor: Dr. Michael Gavin (SGEES-VUW)

2001-2008 Licenciado in Biological Sciences (equivalent to Master of Science)

Facultad de Ciencias Exactas y Naturales (FCEyN), Universidad Nacional de Mar del Plata (UNMdP), Argentina

Thesis title: "*Efectos a corto plazo del estrés por predador sobre la memoria espacial de trabajo y de referencia en el roedor subterráneo *Ctenomys talarum**".

Supervisors: Dr. Roxana Zenuto, Dr. Christian Schleich (FCEyN-UNMdP)

ACADEMIC WORK EXPERIENCE

- 2015- Assistant researcher of the National Council of Scientific and Technical Research (CONICET)**
Research Group in Agroecosystems and Rural Landscapes (GEAP), National University of Mar del Plata, Argentina
- 2013-2015 Postdoctoral fellow of the National Council of Scientific and Technical Research (CONICET)**
Research Group in Agroecosystems and Rural Landscapes (GEAP), National University of Mar del Plata, Argentina
- 2009-2013 Postgraduate fellow of the New Zealand Agency for International Development (NZAid)**
School of Biological Sciences, Victoria University of Wellington, New Zealand
- 2009-2010 Research assistant of the School of Geography, Environment and Earth Sciences (SGEES), Victoria University of Wellington (VUW), New Zealand**
Supervisor: Dr. Michael Gavin (SGEES-VUW)

RECENT ACADEMIC ACTIVITY

- 2015-2018 Investigator participant of the research project titled “Pathways to Sustainable Land Management in Northern Argentina (PASANOA)” funded by the German Ministry of Research and Education. Principal investigator: Dr. Tobias Kuemmerle
- 2014-2015 General Secretary for the organization of the Fourth International Congress of Ecosystem Services in the Neotropics (CISEN4), organized by the Latin American Network of Ecosystem Services (LANES) and funded by the National Institute of Agricultural Research and Technology (INTA)
- 2014- Expert participant of the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES) for the scoping of regional and sub-regional assessments of biodiversity and ecosystem services
- 2013-2018 Investigator participant of the research project titled “Bridging Ecosystem Services and Territorial Planning – A southern South American Initiative” funded by the Inter-American Institute for Global Change Research (IAI). Principal investigator: Dr. José Paruelo
- 2013-2016 Investigator participant of the research project titled “Vulnerability, Ecosystem Services and Rural Land Planning” funded by the Ibero-american Program of Science and Technology for Development (CYTED). Principal investigator: Dr. Pedro Laterra

2013-2015 Investigator participant of the research project titled “Complementarity among land-use systems and synergism among ecosystem services in multifunctional rural landscapes” funded by the Argentine Fund for Science and Technology (FONCyT). Principal investigator: Dr. Pedro Laterra

PUBLICATIONS

PEER REVIEWED

Mastrangelo, M. E. & Laterra, P. (2015) From biophysical to socio-ecological trade-offs: integrating biodiversity conservation and agricultural production in the Argentine Dry Chaco. *Ecology & Society*, 20(1):20

Mastrangelo, M. E. & Gavin, M. C. (2014) Impacts of agricultural intensification on avian richness at multiple scales in Dry Chaco forests. *Biological Conservation*, 179:63-71

Mastrangelo, M. E., Weyland, F., Villarino, S. H., Barral, M. P., Laterra, P. & Nahuelhual, L. (2014) Concepts and methods for landscape multifunctionality and a unifying framework based on ecosystem services. *Landscape Ecology*, 29:345-358.

Mastrangelo, M. E., Gavin, M. C., Laterra, P., Linklater, W. L. & Milfont, T. L. (2014) Psycho-social factors influencing forest conservation intentions on the agricultural frontier. *Conservation Letters*, 7(2):103-110.

Mastrangelo, M. E. and Gavin, M. C. (2012) Trade-Offs between Cattle Production and Bird Conservation in an Agricultural Frontier of the Gran Chaco of Argentina. *Conservation Biology*, 26: 1040–1051.

Mastrangelo, M. E., Schleich, C. & Zenuto, R. (2010) Spatial learning abilities in males and females of the subterranean rodent *Ctenomys talarum*. *Ethology, Ecology and Evolution*, 22 (1): 101-108.

Mastrangelo, M. E., Schleich, C. & Zenuto, R. (2009) Short-term effects of an acute exposure to predatory cues on the spatial working and reference memory performance in a subterranean rodent. *Animal Behaviour*, 77 (3): 685-692.

SCIENTIFIC MEETINGS

Mastrangelo, M. E. and Auer, A. D. (2014). Valoración social de servicios ecosistémicos. XXVI Argentine Meeting of Ecology, Comodoro Rivadavia, 2-5 November, 2014.

Mastrangelo, M. E., Weyland, F., Villarino, S. H., Barral, M. P., Laterra, P. and Nahuelhual, L. (2013) Divergencia conceptual y metodológica en torno a la multifuncionalidad del paisaje: Propuesta de un marco unificador basado en los servicios ecosistémicos. III International Congress of Ecosystem Services of the Neotropics, Colombia, 6-9 October, 2013.

Mastrangelo, M. E., Gavin, M. C., Laterra, P., Linklater, W. L. and Milfont, T. L. (2013) Understanding and influencing landholders' options for conserving dry Chaco forests at the agricultural frontier. XXVI International Congress for Conservation Biology, Baltimore (USA), 21-25 July, 2013.

Mastrangelo, M. E. and Gavin, M. C. (2012) Relación entre productividad y biodiversidad en sistemas de producción ganadera chaqueños: Buscando el mejor balance entre producción y conservación. II Argentine Congress of Silvopastoral Systems, Santiago del Estero, 9-11 May, 2012.

Mastrangelo, M. E. and Gavin, M. C. (2011) ¿Qué indican las métricas de diversidad y composición de especies acerca de los niveles de oferta de servicios ecosistémicos? II International Congress of Ecosystem Services of the Neotropics, Paraguay, 26 November-2 December, 2011.

Mastrangelo, M. E. and Gavin, M. C. (2011) Evaluación de la utilidad relativa de estrategias de uso de la tierra para conciliar conservación y producción en la frontera agropecuaria del Interfluvio Bermejo-Pilcomayo, noreste de Salta. III National Congress of Landscape Ecology of Argentina, Bariloche, 4-6 May, 2011.

Mastrangelo, M. E. and Gavin, M. C. (2010) Compromisos ecológicos entre producción ganadera y riqueza de aves en una frontera agrícola del bosque chaqueño semiárido en el noreste de Salta. IV Binational Argentina-Chile Meeting of Ecology, Buenos Aires, 8-13 August, 2010.

Mastrangelo, M. E., Schleich, C. & Zenuto, R. (2009) Short-term effects of predator stress on the spatial working and reference memory in the Tala's tuco- tuco, *Ctenomys talarum*. XIV International Meeting of Comparative Animal Psychology, Buenos Aires, 9-11 October, 2008.

BOOK CHAPTERS

Nahuelhual L, P Latorra, A Carmona, N Burgos, A Jaramillo, P Barral, M **Mastrángelo**, S Villarino, (2013). Evaluación y mapeo de servicios ecosistémicos: una revisión y análisis de enfoques metodológicos. En En Lara, A, P Latorra, R Manson, G Barrantes (Eds) Servicios Ecosistémicos Hídricos: Estudios de Caso en América Latina y el Caribe. Valdivia, pp 21-38.

SCHOLARSHIPS, GRANTS and AWARDS

Postdoctoral Scholarship granted by the National Council of Scientific and Technical Research (CONICET). 2014-2016

Student Competition Award for the work titled "Understanding and influencing landholders' options for conserving dry Chaco forests at the agricultural frontier" presented at the XXVI International Congress for Conservation Biology, Baltimore (USA), 21-25 July, 2013.

Rufford Small Grant for the project titled "Conserving Dry Tropical Forests on Agricultural Frontiers of the Gran Chaco" http://www.rufford.org/projects/matias_enrique_mastrangelo. 2013-2014.

Doctoral Scholarship granted by Victoria University of Wellington, New Zealand. 2011-2013.

Posgraduate Development Scholarship granted by the New Zealand Agency for International Development (NZAid). 2009-2011.