



Brief Curriculum Vitae

Mario Nestor Nuñez

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Personal Information

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Short Profile:

Mario Nuñez is one of the UMI 3351 creators and its first Director (2010 – 2011). He also was the founder of the new CIMA (Centro de Investigaciones del Mar y la Atmósfera, CONICET / UBA) and its Director from 1990 to 2010. He received among others the prestigious Konex Award for Science and Technology in Argentina (Earth Sciences area). He is a member of the National Academy of Geography. Appointed Professor Emeritus of the University of Buenos Aires and Senior Researcher of CONICET.

He was invited Professor at the National Technological University of Argentina, was Instructor in the Global Change Course. Iowa State University IOWA, USA (organized by IAI), visiting professor at the National University of Colombia, Colombia, visiting professor at the University of the Republic, Uruguay and Training and Education Officer at the Interamerican Institute for Global Change Research (IAI).

He has received numerous grants from national organizations (FONCYT, UBA, CONICET) and international (NOAA, NSF, IAI, ECOS France, etc.) for targeted research projects. Recently participated as PI in two funded projects by European Union, CLARIS and CLARIS LPB (Hidroclimatic and Society in La Plata Basin. EU FP7 collaborative project – Priority Area “Global Change and Ecosystems).

He also participated in the First, Second and Third National Communication of Argentina to the United Nations Framework Convention on Climate Change (3CN) as a consultant and author member for Climate and Climate Change. He was also a consultant and author member in the study of the impacts of climate change on agriculture and livestock in Argentina, within the 3CN.

Mario Nuñez has been IPCC Lead Author in Chapter 9: Case Studies, Special Report on "Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation". 2011. Report: Murray, V., G. McBean, M. Bhatt, S. Borsch, T.S. Cheong, W.F. Erian, S. Llosa, F. Nadim, M. Nunez, R. Oyun, and A.G. Suarez, (2012): Case studies. In: Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation [Field, C.B., V. Barros, T.F. Stocker, D. Qin, D.J. Dokken, K.L. Ebi, M.D. Mastrandrea, K.J. Mach, G., K. Plattner, S.K. Allen, M. Tignor, and P.M. Midgley (eds.)]. A Special Report of Working Groups I and II of the Intergovernmental Panel on Climate Change (IPCC). Cambridge University Press, Cambridge, UK, and New York, NY, USA, pp. 487-542.

Current Position:

- 2002-Present Professor Emeritus of the Department of Atmospheric and Ocean Sciences, University of Buenos Aires.
- 1995-Present Senior Researcher of the National Council of Research and Development (CONICET), Argentina.

Education:

- 1971 Ph.D., Department of Atmospheric Sciences, University of Buenos Aires.
- 1977 Post Doc. Atmospheric Modelling. Department of Meteorology. University of Reading. Reading, United Kingdom.

Previous Positions (most relevant):

- 1990-2010 Director of CIMA/CONICET-University of Buenos Aires.
- 2010-2011 Director of "Instituto Franco-Argentino del clima y sus impactos" IFAECI-UMI3351/CNRSCONICET-UBA.
- 1986-1990 Director of the Department of Atmospheric and Ocean Sciences, (Ex Meteorología). University of Buenos Aires.
- 1984-1986 Vice Director of the Department of Atmospheric and Ocean Sciences, (Ex Meteorología). University of Buenos Aires.
- 1972-1974 Chef of the Applied Sciences. Servicio Meteorológico Nacional. Argentina.

Selected Publications:

Nuñez, M. N., H. H. Ciappesoni, A. Rolla, E. Kalnay, and Ming Cai (2008): "Impact of land-use and precipitation changes on surface temperature trends in Argentina" *J. Geophys. Res.*, 113, D06111, doi: 10.1029/2007JD008638.

Nuñez, M. N., S. Solman and M. F. Cabré (2009): "Regional Climate change experiments over Southern South America. II: Climate change scenarios in the late twenty first century. *Climate Dynamics*. Volume 32, Numbers 7-8 / June 2009, 901-1186.

M. F. Cabré, S. A. Solman and M. N. Nuñez, (2010). Creating regional climate scenarios over southern South America for the 2020's and 2050's using the pattern scaling technique: validity and limitations. *Clim Change*. 98:449-469. DOI: 10.007/s10584-009-9737-5.

Blázquez, J. and Nuñez, M. N. (2012), Performance of a high-resolution global model over southern South America. *Int. J. Climatol*. doi: 10.1002/joc.3478.

M. N. Nuñez and J. Blazquez (2014). Climate Change in La Plata Basin as Seen by High-Resolution Global Model. *Atmospheric and Climate Sciences*, 2014, 4, 272-289.

M. F. Cabré, Quenol, H. and Nuñez, M. (2016). Regional climate change scenarios applied to viticultural zoning in Mendoza, Argentina. *Int. J. Biometeorol*. DOI 10.1007/s00484-015-1126-3.