

# CURRICULUM VITAE

## Mario Bidegain Dorelo

Nationality	Uruguayan	Genre	Male
Birthday	December 11, 1956		
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Cel. Phone	099 138 593		Senior Investigator
Graduation	Meteorology	Post-graduation	MSc. (Atmospheric Sciences)

### Current Academic position:

- Professor of Meteorology (Department of Meteorology, School of Science, University of Republic).

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### **Graduation in Meteorology:**

Basic level in Civil Engineering - University of Republic. Uruguay. 1977-1979.

Class II W.M.O. Climatology – National School of Meteorology (NWS). Uruguay. 1979-1981.

Class II W.M.O. International Course in Meteorology. INM. Madrid. Spain 1982.

### **Post-graduation in Meteorology:**

Master in Atmospheric Sciences. Sao Paulo University (Brazil) 1991. (Meteorology, with special regards in Statistical Climatology)

### **RESEARCH LINES**

- Construction of Climate Change Scenarios
- Climate Regional Models
- Climate variability and ENSO

## LANGUAGES

P = Poor, G = Good, E = Excellent

	Speak	Read	Write
Spanish	E	E	E
Portuguese	E	E	E
English	G	E	E

## INTERNATIONAL COURSES

- **Training Course on climate dynamical downscaling with PRECIS – HADLEY Centre model.** CPTEC/INPE - São Paulo - Brazil. 1-5 November 2004
- **Intensive Training on Climate Scenarios "Development and Application of Scenarios in Impacts, Adaptation and Vulnerability Assessments."** Assessments of Impacts and Adaptation to Climate Change in Multiple Regions and Sectors (AIACC) program. Tyndall Centre for Climate Change Research at the University of East Anglia. U.K. April 15-26, 2002.
- **Vulnerability and Adaptation Assessment Training Workshop.** U.S. Country Studies Program. University of Hawaii - Honolulu. Hawaii. U.S.A. 1 - 10 February 1995.
- **Climate Variability and Environmental Impact.** Universidad de Buenos Aires. Facultad de Ciencias Exactas. Buenos Aires. Argentina. November 1989.

## MERITS

Reviewer of the First and Second Draft of **IPCC Working Group I and Working Group III** (Fourth Assessment Report). 2005-2006.

Co-author in the STERN review on the Economics of Climate Change, D.F.I.D., U.K. ***Understanding the potential impact of Climate Change and Variability in Latin America and the Caribbean.*** G. J. Nagy, M. Aparicio, P. Barrenechea, M. Bidegain, R. M. Caffera, D. Cruz, J. C. Giménez, E. Lentini, G. Magrin, A. Murgida, C. Nobre, A. Ponce, M. I. Travasso, A. Villamizar, M. Wehbe. 2006.

Instructor at the **IAI Training Course on Vulnerability Associated with Climate Variability and Climate Change in the Americas.** Facultad de Ciencias Exactas y Naturales de la Universidad Nacional de Asunción, Paraguay. 17-28 October 2005.

National representative at the **Tenth Session and Working Group II Second Session (IPCC)**. Nairobi. Kenya. 10 - 12 November 1994.

#### **PARTICIPATION IN RESEARCH PROJECTS:**

Uruguayan National Unit of Global Change (National Secretary of Environment) project as Principal Investigator on **"Development of Uruguayan Climate Change Scenarios"** for the Third National Communication to UNFCCC. 2005.

AIACC Initiatives LA32 and LA26 as Co-Principal Investigator to work on **Impact of Global change on the coastal areas of the Rio de la Plata: Sea level Rise and Meteorological Effects**. 2002-2005.

Inter-American Institute for Global Change (IAI) CRN projects as Co-Principal Investigator (Uruguay) on **"Development of a Collaborative Research Network for the Study of Regional Climate Variability and Changes, their Prediction and Impact in the MERCOSUR Area"**. 2000-2005.

Member of Uruguayan specialized groups of **Climate Change and Water Resources and C.C. and Agriculture in Uruguay** supported by National Unit of Global Change (National Secretary of Environment) for the Second National Communication to UNFCCC. 2001.

Inter-American Institute for Global Change (IAI) ISP projects as Principal Investigator on **"Climate Variability and Agriculture in Argentina and Uruguay"**. 1997-2000

Uruguayan Commission for Global Change. First Uruguayan National Communication to UNFCCC with support of U.S. Country Studies Program. **Evaluation on Impact of Climate Change on Agriculture and grasslands**. 1995-1997

CONICYT (National Council of Science and Technological Research of Uruguay) PDT Project **"Quality Control of Meteorological Data"**. 1995-1998.

#### **MEETINGS**

**8<sup>th</sup> International Conference of Southern Hemisphere Meteorology and Oceanography**. Foz de Iguacu. Brazil. 2006

**IAI Training Course on Vulnerability Associated with Climate Variability and Climate Change in the Americas**. Facultad de Ciencias Exactas y Naturales de la Universidad Nacional de Asunción, Paraguay. 17-28 October 2005

**II Regional Conference on Global Change: South America.** Institute of Advanced Studies, University of Sao Paulo, Sao Paulo, Brazil, 8-10 November 2005.

**Second AIACC Regional Workshop for Latin America and Caribbean. Assessments of Impacts and Adaptation to Climate Change in Multiple Regions and Sectors.** Regente Hotel, Buenos Aires, Argentina. 24-27 August 2004.

**First AIACC Regional Workshop for Latin America and Caribbean. Assessments of Impacts and Adaptation to Climate Change in Multiple Regions and Sectors.** Tryp Corobicí Hotel, San José, Costa Rica. May 27-30, 2003.

**Meeting of Assessments of Impacts and Adaptations to Climate Change (AIACC).** UNEP Headquarters. Nairobi, Kenya, 11-15 February 2002.

**First IAI for Global Change Research Investigators Meeting** Long Beach California U.S.A. February 1-2 .1997.

**First Workshop on Climate Change in Latin-America.** Montevideo. Uruguay. April 1996.

## **PUBLICATIONS**

- Shein K.A and collaborators. 2006. ***State of the Climate in 2005***. Bull. Of Amer.Met. Soc. Vol. 87, S1-S102.
- M. R. Haylock, T. C. Peterson, L. M. Alves, T. Ambrizzi, Y. M. T Anunciação, J. Baez, V. R. Barros, M. A. Berlato, M. Bidegain, G. Coronel, V. Corradi, V.J.Garcia, A. M. Grimm, D. Karoly, J. A. Marengo, M. B. Marino, D. F. Moncunill, D.Nechet, J. Quintana, E. Rebello, M. Rusticucci, J. L. Santos, I. Trebejo and L. A. Vincent; **2006. *Trends in total and extreme South American rainfall 1960-2000 and links with sea surface temperature***. J. of Climate. Vol. 19. 1490-1512.
- Bidegain M, I. Camilloni; **2006; *Performance of GCMs and Climate Future Scenarios for Southeastern South America***. Annals of 8<sup>Th</sup> International Conference of Southern Hemisphere Meteorology and Oceanography. Foz de Iguacu. Brazil. 2006
- L. A. Vincent, T. C. Peterson, V. R. Barros, M. B. Marino, M. Rusticucci, G. Carrasco, E. Ramirez, L. M. Alves, T. Ambrizzi, M. A. Berlato, A. M. Grimm, J. A. Marengo, L. Molion, D. F. Moncunill, E. Rebello, y. M. T Anunciação, J. Quintana, J. L. Santos, J. Baez, G. Coronel, J. Garcia, I. Trebejo, M. Bidegain, M. R. Haylock, and D. Karoly; **2005. *Observed Trends in***

***Indices of Daily Temperature Extremes in South America 1960–2000.*** J. of Climate. Vol. 18. 5011-5023.

- Camilloni I and M. Bidegain; 2005; Chapter 4 ***“Escenarios Climáticos para el siglo XXI”***. Book “El Cambio Climático en el Río de la Plata”. AIACC LA32/26 Project. Ed. Barros, Menendez, Nagy. BsAs.
- Bidegain M et al.; 2005; Cap. 14 ***Tendencias climáticas, hidrológicas y oceanográficas en el Río de la Plata y costa uruguaya.*** Libro “El Cambio Climático en el Río de la Plata”. Proyectos AIACC. Ed. Barros, Menendez, Nagy. BsAs.
- Bidegain M y C. Deshayes; 2005; ***Escenarios climáticos futuros de Precipitación para el Cono sur de Sudamérica.*** Annals of Argentina and Latin American Meeting on Water Resources (CONAGUA) 2005. Mendoza, Argentina.
- Liebmann B., C. S. Vera, L. Carvalho, I. Camilloni, M. P. Hoerling, D. Allured, M. Bidegain, J. Báez, V. Barros. 2004. ***An Observed Trend in Central South American Precipitation.*** J. of Climate. Vol.17 N°22, pp 4357-4367.
- Bidegain M., M. Renom; 2002; ***Distribuciones de temperaturas extremas diarias condicionadas según Fase del fenómeno ENSO en Uruguay.*** Anais do IX Congresso Latinoamericano e Brasileiro de Meteorología. Foz de Iguazú. Brasil.
- Bidegain M., M. Renom; 2001; ***Distribuciones de temperaturas mínimas diarias condicionadas según Fase del fenómeno ENSO en Uruguay.*** Anales del IX Congreso Latinoamericano e Ibérico de Meteorología. Buenos Aires. Argentina.
- Grimm.A.; S.E.T.Ferraz; V.Barros; M.Bidegain; 2000; ***Intraseasonal Variations of the South American Summer Rainfall.*** EXCHANGES Newsletter. Vol.5 N°2. June 2000.
- Grondona M., Podestá G., Bidegain M., Marino M. and Hordij H.; 2000; ***A Stochastic Precipitation Generator Conditioned on ENSO Phase: A Case Study in Southeastern South America*** . J. Climate, Vol. 13, 2973-2986.
- Bidegain M., Podestá G.; 2000; ***ENSO-related Climate Variability on Precipitation and Temperature in Southeastern Southamerica.*** Sixth International Conference on Southern Hemisphere Meteorology and Oceanography. Santiago, Chile.
- Panario D., M.Bidegain. ***Climate Changes effects on grasslands in Uruguay.*** Climate Research. CR. Special. Vol.9 N°1 and 2. 1997.

- Hoftadter R., M.Bidegain. ***Performance of general circulation models in southeastern South America***. Climate Research. CR. Special. Vol.9 N°1 and 2. 1997.
- Bidegain M., C. Deshayes. ***Aspectos de la Variabilidad Climática secular de la Precipitación en Uruguay (Sud América)***. I Congreso Iberoamericano de Meteorología y V Congreso Interamericano de Meteorología. Salamanca. España. Setiembre de 1992.
- Bidegain M. , R.M.Caffera. ***Comportamiento de la precipitación en la región sureste de América del Sur asociado a los índices de Oscilación Sur (I.O.S.) y El Niño (T.S.M.)***. VI Congreso Argentino de Meteorología.Bs.As. Argentina. Setiembre 1991.
- Bidegain M., R.M.Caffera. ***Anomalías de la Precipitación en la Región Sureste de América del Sur (Uruguay) asociadas con el fenómeno de "El Niño - Oscilación Sur" (E.N.O.S.)***. III International Conference of Southern Hemisphere Meteorology and Oceanography. Buenos Aires. Argentina. 1989.