

**Curriculum Vitae**  
**Carolina Vera**  
University of Buenos Aires-CONICET  
Argentina



**Personal Information**

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**Short Profile:**

Carolina Vera is Full Professor at the School of Sciences of the University of Buenos Aires (UBA) and Principal Researcher of Argentina National Council of Sciences (CONICET). She has been the Director of the Argentinean-French Institute for Climate Studies and its impacts, jointly sponsored by UBA, CONICET, of Argentina and "Centre national de la recherche scientifique" (CNRS), Deputy Dean of the School of Sciences of UBA and Director of the Center for Atmosphere and Ocean Research (CIMA)/ UBA- CONICET.

Dr. Vera has long research experience on understanding, simulating and predicting climate variability and change. She has participated or coordinated many recognized international research projects and programs related with climate variability and change. She has authored several peer-reviewed scientific journal articles and book chapters. During the last years she has expanded toward inter-disciplinary and trans-disciplinary scientific efforts related with climate services and climate change impacts.

She is currently Vice-Chair of WG1, member of the Bureau of the IPCC (Intergovernmental Panel for Climate Change). She has served as member of Future Earth Science Committee, the Scientific Advisory Committee of the Inter-American Institute for Global Change (IAI), Officer Member of the World Climate Research Program (WCRP) Joint Scientific Committee, Co-Chair of the WCRP Panel for the Variability of the American Monsoon Systems (VAMOS), ex-officio Member of the Independent Science Panel of the Research Program on Climate Change, Agriculture and Food Security (CCAFS), member of the Scientific Committee of the Transformation to Sustainability Program of International Social Science Council (ISSC), and Chair of the American Meteorological Society (AMS) Committee for Meteorology and Oceanography of the Southern Hemisphere.

She was Lead Author of the IPCC Special Report on "Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation" (SREX). She was recently co-Coordinator of the team that develops the report on present and future climate trends in Argentina for the 3rd national communication of Climate Change and Leader for the development of related web-based dissemination of climate data and scenarios to support impact studies in Argentina.

**Current Position:**

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

**Education:**

- 1986 "Licenciatura" (Argentina University degree with Master Level) in Meteorological Sciences, University of Buenos Aires
- 1992 Ph.D., Department of Atmospheric Sciences, University of Buenos Aires (under Prof. Eugenia Kalnay)

**Previous Positions (most relevant) in Scientific-Academic Institutions:**

- 2006-2010 Deputy Dean of the School of Exact and Natural Sciences of the University of Buenos Aires.
- 2010-2015 Director of CIMA/CONICET-University of Buenos Aires.
- 2011-2015 Director of "Instituto Franco-Argentino del clima y sus impactos" IFAECI-UMI3351/CNRS-CONICET-UBA.

**Participation in International Panels and Committees (most relevant):**

- 1997-2002 Member of "Variability of American Monsoon Systems" (VAMOS) Scientific Panel of World Climate Research Program (WCRP)
- 2002-2004 ViceChair of WCRP/VAMOS Scientific Panel
- 2004-2006 Co-Chair of WCRP/VAMOS Scientific Panel
- 2001-2005 Chair of the WCRP/CLIVAR/South American Low-Level Jet Scientific Working Group
- 2004-2006 Chair of the STAC Committee on Southern Hemisphere Meteorology and Oceanography of the American Meteorological Society (AMS).
- 2006 Co-Chair of the 8<sup>th</sup> AMS 8th International Conference on Southern Hemisphere Meteorology and Oceanography of the American Meteorological Society. Foz do Iguacú, 24-28 April, 2006.
- 2007-2012 Officer Member of the Joint Scientific Committee of the World Climate Research Program (WCRP) sponsored by WMO, ICSU and IOC.
- 2007-2015 Member of the Scientific Advisory Committee (SAC) of the Inter-American Institute for Global Change Research (IAI).
- 2009-2011 Lead Author of the IPCC Special Report on "Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation" (SREX).
- 2011-Present Member of the International Advisory Board of the Center for Development Research (ZEF)/University of Bonn.
- 2011 Member of the Scientific Committee of WCRP Open Science Conference, Denver 24-28 October, 2011.

- 2013-2017 Member of Future Earth Science Committee.
- 2014-2016 Ex-Officio Member of Independent Science Panel of CGIAR International Program on Climate Change, Agriculture and Food Security (CAAFS)
- 2014-2016 Member of the Scientific Committee of the Transformations to Sustainability Program of the International Social Science Council (ISSC).
- 2014-2015 Member of the Scientific Committee of "Our Common Future under Climate Change " International Conference, 7-10 July, 2015, Paris, France.
- 2015 Member of the Steering Scientific Committee of the "IPCC Workshop on Regional Climate Projections and their Use in Impacts and Risk Analysis Studies", São José dos Campos, Brazil, 15–18 September 2015.
- 2015-Present Vice-Chair of WG1 and member of the Bureau of the IPCC.
- 2017-Present Member of WMO/CAS Management Group

**Publications: (more relevant in reverse order)**

- Alvarez, M.S.; C. S. Vera, and G. N. Kiladis, 2017: MJO Modulating the Activity of the Leading Mode of Intraseasonal Variability in South America. *Atmosphere*, 8, 232. Díaz, L. and C. Vera, 2017: Austral summer precipitation interannual variability and trends over Southeastern South America in CMIP5 models. *International Journal of Climatology*, In press (published on line, DOI: 10.1002/joc.5031).
- Vera, C.S., M. S. Alvarez, M.S., P. L. M. Gonzalez, G. N. Kiladis, and B. Liebmann, 2017: Seasonal cycle of precipitation variability in South America on intraseasonal timescales. *Climate Dynamics*. In press (published on line <https://doi.org/10.1007/s00382-017-3994-1>).
- Tompkins, A., M. I. Ortiz de Zárate, R. Saurral, C. S. Vera, and co-authors, 2017: The Climate-system Historical Forecast Project: providing open access to seasonal forecast ensembles from centers around the globe. *Bulletin of the American Meteorological Society*. In press (published on line, <https://doi.org/10.1175/BAMS-D-16-0209.1>).
- Osman, M. and C. Vera, 2017: Climate predictability and prediction skill on seasonal time scales over South America from CHFP models. *Climate Dynamics*, in press.
- Robledo, F., C. Vera, O. Penalba, 2016: Influence of the large-scale climate variability on daily rainfall extremes over Argentina. *Int. Jou. of Climatology*, 36, 412-423.
- Osman, M., C. Vera, F. Doblás-Reyes, 2016: Predictability of the tropospheric circulation in the Southern Hemisphere from CHFP models. *Climate Dynamics*, 46, 7, 2423-2434.
- Junquas, C., L. Li, C. Vera, H. Le Treut, K. Takahashi, 2016: Influence of South America orography on summertime precipitation in Southeastern South America. *Climate Dynamics*. 46 (11-12), 3941-3963. doi:10.1007/s00382-015-2814-8. Erratum: 47 (9-10), pp. 3389-3390.
- Jacques-Coper, M., S. Brönnimann, O. Martius, C. Vera, S B. Cerne, 2016: Heat waves in Southeastern Patagonia during austral summer: an analysis of the intraseasonal timescale. *Int. Jou. Climatology*, 36, 1359-1374.
- Alvarez, M., C. Vera, G. Kiladis, and B. Liebmann, 2016: Influence of the Madden Julian Oscillation on Precipitation and Surface Air Temperature in South America. *Climate Dynamics*, 46, 245-262.

- Arias P., R. Fu, C. Vera, M. Rojas, 2015: A correlated shortening of the North and South American monsoon seasons in the past few decades. *Climate Dynamics*, 45, 3183-3203.
- Hannart, A, C. Vera, F. E. L. Otto, and B. Cerne, 2015: Causal influence of anthropogenic forcings on the Argentinian heat wave of December 2013. *Bulletin of the American Meteorological Society*, 96, 12, S41-S69.
- Jacques-Coper, M., S. Brönnimann, O. Martius, C. Vera, S B. Cerne, 2015: Evidence for a modulation by the Madden-Julian Oscillation of the intraseasonal summer temperature in Eastern Patagonia. *JGR-Atmospheres*, 120, 7340-7357
- Vera, C., L. Díaz, 2015: Anthropogenic influence on summer precipitation trends over South America in CMIP5 models. *Int. Jou. of Climatol.* 35, 3172-3177 DOI: 10.1002/joc.4153.
- Alvarez, M., C. Vera, G. Kiladis, and B. Liebmann, 2014: Intraseasonal Variability in South America during the Cold Season. *Climate Dynamics*, 42, 3253-3269.
- González, P., C. Vera, 2014: Summer precipitation variability over South America on long and short intraseasonal timescales. *Climate Dynamics*, 43, 1993-2007.
- Flombaum, P. , J. L. Gallegos, R. Gordillo, J. Rincón, L. L. Zabala, N. Jiao, D. Karl, W. K. W. Li, M.W. Lomas, D. Veneziano, C. Vera, J. Vrugt, and A. Martiny, 2013: Present and future global distributions of the marine Cyanobacteria *Prochlorococcus* and *Synechococcus*. *Proceedings of the National Academy of Sciences of the USA* 110(24)9824-9829
- Junquas, C., C. S. Vera, L. Li, and H. Le Treut, 2013: Impact of SST changes projected in a global warming scenario on summer rainfall in southeastern South America. *Clim. Dyn.*, 40, 1569-1589.
- Vera, C., W. Gutowski, C. R. Mechoso, B. N. Goswami, C. Reason, C. D. Thorncroft, J. A. Marengo, B. Hewitson, H. Hendon, C. Jones, P. Lionello, 2013: Understanding and Predicting Climate Variability and Change at Monsoon Regions. Chapter 11 of book “Climate Science for Serving Society: Research, Modelling and Prediction Priorities”. G. R. Asrar and J. W. Hurrell (Eds.), Springer, XXXI, 484 pp.
- Junquas, C., C. S. Vera, L. Li, H. Le Treut, 2012: Summer Precipitation Variability over Southeastern South America in a Global Warming Scenario. *Climate Dynamics*, 38, 9 , 1867-1883.
- Seneviratne, S.I., N. Nicholls, D. Easterling, C.M. Goodess, S. Kanae, J. Kossin, Y. Luo, J. Marengo, K. McInnes, M. Rahimi, M. Reichstein, A. Sorteberg, C. Vera, and X. Zhang, 2012: Changes in climate extremes and their impacts on the natural physical environment. 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. 109-230.
- Goddard, L., J. Hurrell, B. Kirtman J. Murphy, T. Stockdale, and, C. Vera, (Autores en orden alfabético) 2012: Two time scales for the Price of one (almost). *Bull. Amer. Meteor. Soc.*, 93, 621–629.
- Vera, C., M. Barange, O.P: Dube, L. Goddard, D. Griggs, N. Kobysheva, E. Odada, S. Parey, J. Polovina, G. Poveda, B. Seguin and K. Trenberth, 2010: Needs assessment for climate information on decadal timescales and longer. *Procedia Environmental Sciences* 1 (1), pp. 275-286.
- Marengo, J. A., Liebmann, B., Grimm, A. M., Misra, V., Silva Dias, P. L., Cavalcanti, I. F. A., Carvalho, L. M. V., Berbery, E. H., Ambrizzi, T., Vera, C. S., Saulo, A. C., Nogue-Paegle, J., Zipser, E., Seth, A. and Alves, L. M., 2012: Recent developments on the South American monsoon system. *International Journal of Climatology*. Vol. 32, 1, 1-21.

- Cerne, B., C. Vera, 2011: Influence of the intraseasonal variability on heat waves in subtropical South America. *Climate Dynamics*, 36, 2265–2277.
- Liebmann, B., G. Kiladis, D. Allured, C. Vera, C. Jones, L. M. V. Carvalho, I. Blade, P. González, 2011: Mechanisms associated with large daily precipitation events in Northeast Brazil. *Journal of Climate*, 24, 376–396.
- McPhaden, M.J., C. S. Vera, R. Martinez Guingla, R., 2010: Climate variability and change in South America. *Eos* 91 (49), pp. 473.
- Gonzalez, M., C. S. Vera, 2010: On the interannual wintertime rainfall variability in the Southern Andes. *Int. Jou. Climatology*, 30, 643–657.
- Silvestri, G., C. S. Vera, 2009: Nonstationary Impacts of the Southern Annular Mode on Southern Hemisphere Climate. *Journal of Climate*. 22, 6142–6148.
- Carbajo, A., C. Vera, and, P. Gonzalez, 2009: Hantavirus reservoir *Oligoryzomys longicaudatus* spatial distribution model under a climate change scenario in Argentinean Patagonia. *International Journal of Health Geographics* 2009, 8:44.
- Vera, C. S., G. Silvestri, 2009: Precipitation interannual variability in South America from the WCRP-CMIP3 Multi-model dataset. *Climate Dynamics*, 32, 1003–1014.
- Liebmann, B., G. N. Kiladis, L. M.V. Carvalho, C. Jones, C. S. Vera, I. Blade, D. Allured, 2009: Origin of Convectively Coupled Kelvin Waves over South America. *J. Climate*. 22, 2, 300–315.
- Silvestri, G., C. S. Vera, 2008: Evaluation of the WCRP-CMIP3 model simulations in the La Plata Basin. *Meteorol. Appl.* 15, 497–502.
- Silvestri, G., C. S. Vera, D. Jacob, S. Pfeifer, C. Teichmann, 2008: A high-resolution 43-year atmospheric hindcast for South America generated with the MPI regional model. *Clim. Dyn.*, 32, 5, 693–709. DOI 10.1007/s00382-008-0423-5.
- González, P. M., C. Vera, B. Liebmann, G. Kiladis, 2008: Intraseasonal variability in subtropical South America as depicted by precipitation data. *Clim. Dyn.*, 30, 727–744.
- Gonzalez, M., C. Vera, B. Liebmann, J. Marengo, V. Kousky, D. Allured, 2007: The nature of the rainfall onset over central South America. *Atmósfera*. 20(4), 379–396.
- Liebmann, B., Camargo, S., Seth, A., Marengo, J., Carvalho, L., Allured, D., Fu, R., Vera, C., 2007: Onset and End of the Rainy Season in South America in Observations and the ECHAM 4.5 Atmospheric General Circulation Model, 2007: *J. Climate*, 20, 2037–2050.
- Cerne, B., C. Vera, B. Liebmann, 2007: The nature of a heat wave in eastern Argentina occurring during SALLJEX. *Mon. Wea. Rev.* 135, 1165–1174.
- Vera, C., W. Higgins, J. Amador, T. Ambrizzi, R. Garreaud, D. Gochis, D. Gutzler, D. Lettenmaier, J. Marengo, C. R. Mechoso, J. Nogue-Paegle, P. L. Silva Dias, and C. Zhang, 2006: Toward a Unified View of the American Monsoon Systems. *J. Climate*, Vol. 19, 4977–5000.
- Vera, C., G. Silvestri, B. Liebmann, and P. Gonzalez 2006: Climate change scenarios for seasonal precipitation in South America from IPCC-AR4 models. *Geophys. Res. Lett.*, 33, L13707, doi:10.1029/2006GL025759.
- Vera, C.; J. Baez; M. Douglas; C. B. Emmanuel; J. Marengo; J. Meitin; M. Nicolini; J. Nogue-Paegle; J. Paegle; O. Penalba; P. Salio; C. Saulo; M. A. Silva Dias; P. Silva Dias; and E. Zipser, 2006: The South American Low-Level Jet Experiment (SALLJEX), *Bulletin of the American Meteorological Society*, 87, 63–77.

- Simionato, C., C. S. Vera and F. Siegmund, 2005: Surface wind variability on seasonal and interannual scales over Río de la Plata area. *Journal of Coastal Research*, 21, 4, 770-783.
- Vigliarolo, P., C. Vera, and S. Díaz, 2005: Synoptic-scale variability and its relationship with Ozone and Antarctic Vortex Displacements. *Mon. Wea. Rev.* 133, 2374–2386
- Liebmann, B., C. Vera, L. M.V. Carvalho, I. A. Camilloni, M. Hoerling, D. Allured, V. Barros, J. Baez, M. Bidegain, 2004: An Observed Trend in Central South American Precipitation. *J. Climate*, 17, 4357-4367.
- Liebmann, B., G. Kiladis, C. Vera, A. C. Saulo, L. M. V. Carvalho, 2004: Subseasonal Variations of Rainfall in South America in the Vicinity of the Low-Level Jet East of the Andes and Comparison to Those in the South Atlantic Convergence Zone. *J. Climate*, 17, No. 19, 3829–3842.
- Vera, C. S., G. E. Silvestri, V. R. Barros, and A. F. Carril, 2004: Differences in El Niño response over the Southern Hemisphere. *Journal of Climate*, 17, 1741–1753.
- Silvestri, G. E., and C. S. Vera, 2003: Antarctic Oscillation signal on precipitation anomalies over southeastern South America. *Geophys. Res. Lett.*, 30(21), doi:10.1029/2003GL018277.
- Vera, C., 2003: Interannual and interdecadal variability of atmospheric synoptic-scale activity in the Southern Hemisphere. *Journal of Geophysical Research*. Vol. 108, NO. C4, 8077, doi:10.1029/2000JC000406.
- Campetella, C. and C. Vera, 2002: The influence of the Andes mountains on the South American low-level flow. *Geophys. Res. Lett.*, 29 (17), 1826, doi: 10.1029/ 2002GL015451.
- Díaz, S., Vigliarolo, P., Vera, C., Deferrari, G., 2002: Cloud spectral transmittance in the UV and visible at Ushuaia (54° 49 minutes S, 68° 19 minutes W *Proc. SPIE* 4482, Ultraviolet Ground- and Space-based Measurements, Models, and Effects, 415 (January 22, 2002); doi:10.1117/12.452946.
- Vera, C., P.K. Vigliarolo and E. H. Berbery, 2002: Cold season synoptic scale waves over subtropical South America. *Mon. Wea. Rev.*, 130, 684-699.
- Vigliarolo, P., C.Vera, and S.Díaz, 2001: Southern Hemisphere Winter Ozone Fluctuations. *Quart. J. Roy. Met. Soc.*, 127, 559-578.
- Vera, C. and P. K. Vigliarolo, 2000: “A statistical-dynamical diagnostic of cold-air outbreaks over South America”, *Mon. Wea. Rev.*, 128, No. 1, 3-24.
- Berbery, E. H. and C. Vera, 1996: "Characteristics of the Southern Hemisphere Winter Storm Track with Filtered and Unfiltered Data" *J. Atmos. Sci.*, 53, No. 3, 468-481

**Scientific talks and seminars given by invitation (more relevant of the last years):**

- “Needs assessment for climate information on decadal time scales and longer”. Invited Speaker. 3rd World Climate Conference (WCC-3), Ginebra, 30 de Agosto – 4 Septiembre 2009.
- “Introduction to Section D: Future Climate Extremes, Impacts, and Disaster Losses”. IPCC-SREX Report Approval Session, Kampala, Uganda, 14-17 Nov. 2011.
- ‘Regional observations and projections of extremes’ IPCC Outreach event on ‘Managing the Risks of Climate Extremes and Disasters in Latin America – What can we learn from the IPCC Special Report?’ Havana, Cuba, 18th-19th April 2012.
- “Climate Change Science Update”. Forum on Science, Technology and Innovation for Sustainable Development, organized by ICSU for RIO+20, Rio de Janeiro, Brazil, 11-15 June 2012
- “Coping with Climate Change”. IAP Conference and General Assembly. Rio de Janeiro, Brasil, 24

- 27 February 2013.
- "Regional Climate Monitoring: Current State and Perspectives", WCRP-Conference for Latin America and the Caribbean, Developing, Linking, and Applying Climate Knowledge, Montevideo, 17-21 March, 2014.
- "Main characteristics of the 3rd National Communication of Argentina to UNFCCC", IPCC Workshop on Regional Climate Projections and their Use in Impacts and Risk Analysis Studies, São José dos Campos, Brazil, 15–18 September 2015.
- "Filling the gap of climate information on decadal timescales", International Conference of the National Institute for Science and Technology on Climate Change, 28-30 September 2016, Sao Paulo, Brazil.
- "Climate change risk and adaptation/mitigation options in Argentina", Symposium on 'Delivering on Paris: Domestic Implementations of an International Breakthrough', 17-18 October 2016, Victoria University of Wellington, New Zealand.

#### **Awarded Research Grants (most relevant):**

- "A collaborative Research Network for the study of Regional Climate Variability and Changes, their Prediction and Impact, in the MERCOSUR Area". IAI-CRN-55. FY00-04. Co-PI.
- "Estudio de la variabilidad climática en América del Sur" UBA (X072). FY01-03.
- "Enhancement of The Daily Rainfall Network In Support Of The South American Low-Level Jet Study". NOAA/GC02-032 (USA). FY02-04. Co-PI.
- "Local and Remote Influences on Rainfall Variations and extreme events in la Plata Basin". NOAA/GC03-011 (USA). FY03-05. Co-PI.
- "Influencias locales y remotas sobre la variabilidad de los eventos extremos de precipitación en la cuenca del Plata". CONICET/PEI-6391.(Argentina) FY04-05
- "A Europe-South America Network for Climate Change Assessment and Impact Studies" CLARIS, EU-Contract 001454 (GOCE). FY05-07. Co-PI.
- "Influencia de las condiciones atmosféricas y oceánicas de gran escala en el clima presente y futuro de la cuenca del Plata". CONICET-PIP N°5400. (Argentina) FY06-07. PI.
- "Influencias Locales y Remotas en la Variabilidad de la Precipitación Estival en la Cuenca del Plata y sus Impactos Hidrológicos". ANPCYT-PICT04. No 25269. (Argentina) FY06-09. PI.
- "Intraseasonal Variability of South America Precipitation. NOAA/GC07-134 (USA). FY08-10. PI.
- "Experimental High Resolution Seasonal Climate and Hydrologic Prediction and Predictability Studies of the Pan-American and South American Monsoons from Intra-Seasonal to Seasonal Scales" NOAA/GC07-133 (USA). FY08-10. Co-PI
- "A Europe-South America Network for Climate Change Assessment and Impact Studies in La Plata Basin". EU-Contract FP7-ENV-2007-1/No. 212492. FY08-10. Co-PI.
- "Sobre los procesos que intervienen en los cambios proyectados de la precipitación estival en la Cuenca del Plata por efecto de las actividades humanas". CONICET/ PIP 112-200801-00399. (Argentina) FY09-11. PI
- "Influence of Convective Systems on Intraseasonal to Interannual Variability of the Intra-American

- Monsoon”. NOAA-CPPA (USA). FY10-13. Co-PI
- “Decadal Variability of the American Monsoons: An Assessment of CMIP5 Simulations”. NSF-RAPID: AGS-11126804 (USA). FY11-12. Co-PI.
  - "Pronósticos probabilísticos a diversos plazos: generación de productos específicos para su implementación operativa en Argentina.". ANPCyT-PICT-Bicentenario. (Argentina) FY11-14 Co-PI.
  - “Decadal climate variability and change and its hydrological impacts over southeastern South America”. CNRS/INSU/LEFE (France) FY12-13. PI
  - " Estudio de las variaciones climáticas observadas en la Pampa Húmeda durante los siglos 20 y 21 y desarrollo de su proyección para las próximas décadas". CONICET-PIP 11220120100526CO. (Argentina) 2014-2016. PI.
  - " Dinámica de la variabilidad intraestacional y su impacto en el clima del sur de Sudamérica. UBACYT 2014-2017 20020130100489BA. (Argentina) FY14-17. PI
  - Monitoreo y pronóstico climático para la prevención de desastres hídricos en Argentina (CLIM.AR). PIDDEF2014/2017 No. 15 (Argentina). FY16-18. PI.
  - Climate Services Through Knowledge Co-Production: A Euro-South American Initiative For Strengthening Societal Adaptation Response to Extreme Events (CLIMAX), Belmont Forum Program Climate Predictability and Inter-Regional Linkages. FY16-19. PI

### **Awards:**

2012 “Emilio Caimi” Award to Scientific Trajectory, Centro Argentino de Meteorólogos.

### **PhD Thesis Advisor at the University of Buenos Aires:**

1. Paula Vigliarolo, PhD, 2003, University of Buenos Aires
2. Gabriel Silvestri, PhD, 2003, University of Buenos Aires
3. Claudia Campetella, PhD, 2006, University of Buenos Aires
4. Bibiana Cerne, PhD, 2008, University of Buenos Aires
5. Paula González, PhD, 2010, University of Buenos Aires
6. Federico Robledo, PhD, 2012, University of Buenos Aires
7. Alejandro Godoy, PhD, 2013, University of Buenos Aires
8. Mariano Alvarez, PhD, 2016, University of Buenos Aires
9. Marisol Osman, PhD, 2017, University of Buenos Aires
10. Maria de los Milagros Skansi, current PhD student, University of Buenos Aires
11. Leandro Díaz, current PhD student, University of Buenos Aires.

### **PhD Thesis Advisor at Ecole Polytechnique (France)**

12. Clementine Junquas, PhD, 2012.

### **Licenciatura (Master level) Thesis Advisor in the University of Buenos Aires for:**



13. Paula Vigliarolo, 1996, Atmospheric Sciences
14. German Bertossa, 2000, Physics
15. Virginia Palastanga, 2002, Physical Oceanography
16. Carlos Nadale, 2004, Atmospheric Sciences
17. Paula González, 2006, Atmospheric Sciences
18. Maria Paz Chidichimo, 2006, Physical Oceanography
19. Mariano Alvarez, 2011, Atmospheric Sciences
20. Marisol Osman, 2012, Atmospheric Sciences
21. Leandro Díaz, 2013, Atmospheric Sciences
22. Federico Di Gregorio, 2015, Atmospheric Sciences
23. Elio Campitelli, current student, Atmospheric Sciences

**Advisor of “Stage D’option Scientifique”(France):**

24. Thomas Viguier, 2000, Ecole Polytechnique
25. Rejane Georgeault, 2007, University of Toulon and the Var
26. Quentin Lejeune, 2011, Université Claude Bernard, Lyon

**Director of Post-Docs and/or Assistant Researchers at the University of Buenos Aires -CONICET:**

27. Paula Vigliarolo 2003-2006
28. Gabriel Silvestri, 2003-2010
29. Federico Robledo, 2012-Present.

**Teaching**

- At the University of Buenos Aires/School of Sciences: Atmospheric Dynamic, General Circulation of Atmosphere and Oceans, Climate Variability and Change, Atmosphere Thermodynamics.
- Coordinator and Lecturer at the following international courses:
  - The Interdisciplinary Science of Climate Changes: Basic Elements. Buenos Aires, Argentina, March 2007, sponsored by the International Centre for Theoretical Physics (ICTP).
  - Training Institute on the use of seasonal predictions for applications in Latin America. Buenos Aires, Argentina, August 2010, sponsored by National Science Foundation (NSF) and Interamerican Institute for Global Change (IAI).
- Lecturer at the following international courses:
  - Training Workshop: Climate Variability and Predictions in the Atlantic Basin (West Africa, Caribbean and South America, 21-30 June 2011, Dakar, Senegal, sponsored by World Meteorological Organization (WMO), NOAA, USAID, ANAMS.

*18 December 2017*

- Pan American Advanced Studies Institute on Atmospheric Processes of Latin America and the Caribbean, Cartagena de Indias, Colombia, 27/5-7/6/2013, sponsored by NSF, UCAR, NOAA.
- Global Symposium on Climate Variability, Predictions and Services (GSCVPS), Istanbul, Turkey, 24-28 June 2013, sponsored by NOAA. WMO, USAID, Turkish Meteorological Service.
- Eighth International Training Workshop (8ITWCVP) on Climate Services, Ankara, Turquía, 25-29 April, 2016, o sponsored by NOAA. WMO, USAID, Turkish Meteorological Service.