

Andrea Fabiana CARRIL



CENTRO DE INVESTIGACIONES DEL MAR Y LA ATMÓSFERA
(CIMA/CONICET-UBA)

INSTITUT FRANCO-ARGENTIN D'ESTUDES SUR LE CLIMAT ET SES IMPACTS
(IRL-IFAECI/CNRS-IRD-CONICET-UBA)

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EDUCATION

1999-2001: Post-doc, Research Centre for the Sea and the Atmosphere (ISAO-CNR), Bologna, Italy

1998: Ph.D. Atmospheric Sciences, Buenos Aires University, Argentina

1994: Msc. Atmospheric Sciences, Buenos Aires University, Argentina

Other Relevant Courses and Trainings

- Course on Climate Geopolitics: International Relations in a Warming World. Organized by the French-Argentinean Institute for the Study of Climate and its Impacts (UMI-IFAECI CNRS-CONICET-UBA), the French- Argentine Center for Advanced Studies (CFA-UBA), the Center for Oceanic and Atmospheric Research (CIMA/CONICET-UBA) and the Faculty of Exact and Natural Sciences of the University of Buenos Aires (FCEN-UBA). Buenos Aires, Argentina, 2016.
- Seasonal to Interannual Variability – its prediction and Impact on Society, NATO Advanced Study Institute, Gallipoli, Italy, 2005.
- PRISM Training Session on Setup and Running a Coupled Atmosphere-Ocean GCM using OASIS3, University of Hamburg, Germany, 2003.
- Nonlinear Phenomena in Global Climate Dynamics. International Centre for Theoretical Physics, ICTP, Trieste, Italy, 2000.
- Geophysical Fluid Dynamics. International Centre for Theoretical Physics (ICTP), Trieste, Italy, 1996.
- Regional Training Course on Practical Applications of Short-Term Climate Predictions to Hydrology and Water Resources Management in Central and South America. Litoral University, Santa Fe, Argentina, 1995.

EMPLOYMENT HISTORY

7/2007-present: Senior Researcher at the Research Center for the Sea and the Atmosphere (CIMA, CONICET-UBA) and the Franco-Argentine Institute for Climate Studies and its Impacts (IFAECI, CNRS-IRD-CONICET-UBA), Argentina.

2014: Adjunct Professor of Climatology at the National University of the Center of Buenos Aires Province (UNICEN), Tandil, Argentina.

- 2009-2012: Adjunct Professor (Climatology Area) at the Department of Atmospheric Sciences (DCAO/FCEN), University of Buenos Aires, Argentina.
- 1/2002-5/2007: Junior Researcher at the National Institute of Geophysics and Volcanology (INGV), Bologna, Italy
- 2005-2006: Professor at the University of Bologna, Ravenna Headquarters, Italy. “Corso di Alta Formazione, Cooperazione Ambientale e Politiche di Sviluppo Sostenibile” (Code 035-05/06, Bando anno 2005/06, Area didattica “Politiche Ambientali ed Accordi Multilaterali: dalla Conferenza di Rio al Protocollo di Kyoto”).
- 1999-2001: Post-doc position at the Research Centre for the Sea and the Atmosphere (ISAO/CNR), Bologna, Italy
- 8/1996-9/1996: Contract Professor, “Climate system and climate change”. High-School Teachers Upgrade Federal Network, National Council of Education, Argentina.
- 1994 -1998: Ph.D. Student at the Research Center for the Sea and the Atmosphere (CIMA-CONICET), Buenos Aires University, Argentina.

Stages

- 11/1997-1/1998: Graduate Student at the Laboratoire de Météorologie Dynamique (LMD/CNRS), Paris, France.

Visiting Positions

- 2012, 2008: Invited Researcher, Centro Euro-Mediterraneo per i Cambiamenti Climatici (CMCC), Bologna, Italia.
- 2/2007: Invited Professor in “Master of 2nd level in Global Environmental Protection and International Policies” at the University of Tuscia, Rome, Italy.
- 2/2006: Invited Professor in “Training Course on Practical Applications on Climate Variability Studies” at the Department of Atmospheric and Oceanic Sciences (DCAO/FCEN), University of Buenos Aires, Argentina. Course organized in the framework of CLARIS EU Project (GOCE-CT-2003-01454).

Consultant Activities

- 12/2018-6/2019: Diagnóstico y prospectiva climática a largo plazo de las cuencas fluviales andinas. Servicios Tecnológicos de Alto Nivel (STAN, código ST4309). Consultancy Service for the Instituto Argentino de Nivología, Glaciología y Ciencias Ambientales (IANIGLA/CONICET), Mendoza, Argentina, supported by Newton Funds. Role: Expert advisor (“Responsable técnico”).
- 10/2013-3/2014: Climate change in Argentina: trends and projections. Third National Communication of Argentina to the United Nations Framework Convention on Climate Change (UNFCCC). Consultancy Service for the Department of Environment and Sustainable Development of the Nation (SAyDS). Role: expert climatologist.
- 2012: On the analysis of the extreme events over South America, based on numerical simulations. Expert advisor, Euro-Mediterranean Centre for Climate Change (CMCC, Research Division on Numerical Applications and Scenarios), Bologna, Italy. Role: PI, expert advisor.
- 2012: On the analysis of the extreme events over South America and their relationship with tropical teleconnections. Expert advisor, Euro-Mediterranean Centre for Climate Change (CMCC, Research Division on Numerical Applications and Scenarios), Bologna, Italy. Role: PI, expert advisor.
- 2007: On the analysis of the extreme events over the Euro-Mediterranean region. Expert advisor, Euro-Mediterranean Centre for Climate Change (CMCC, Research Division on Numerical Applications and Scenarios), Bologna, Italy. Role: PI, expert advisor

EDITORIAL ACTIVITIES

2015-2016: Executive guest editor, CLARIS-LPB Special Issue, Climate Research
 2010-2014: Executive editor, Meteorologica, Argentinean Centre of Meteorologists (CAM)
 2011-2012: Director of Meteorologica, Argentinean Centre of Meteorologists (CAM)
 2011-2012: Editorial board member, ISRN Meteorology, Hindawi Publishing Corporation.

Ad-Hoc Reviewer

- Expert Reviewer for the First Order Draft of the IPCC Special Report on Climate Change and Land (SRCCL), 2018
- Climate Research, Inter-Research Science Center
- International Journal of Climatology, Royal Meteorological Society, Reading, UK.
- Critical Reviews in Environmental Science and Technology, Taylor & Francis Group, Philadelphia.
- Geophysical Research, American Geophysical Union.
- Climatic Change, Springer
- Climate Dynamics, Springer.
- Theoretical and Applied Climatology, Springer
- Meteorologica, Centro Argentino de Meteorólogos (CAM)
- Revista Brasileira de Meteorologia

MANAGEMENT

- Deputy Director, Argentinian-French Institute for the Study of Climate and its Impacts (UMI-3351-IFAECI/CNRS-CONICET-UBA), 1/2016-present.
- Deputy Director, Research Centre of Sea and Atmosphere (CIMA/CONICET-UBA), 6/2015-present.

CONTACT AND REGIONAL FOCAL POINT

- Argentine National Contact Point (ANCP) between the MINCyT and the European Commission, for the Horizon Europe Framework Program, Area of Climate, Energy and Mobility. 08/2022-.
- Regional Focal Point to facilitate the exchange of information between the World Climate Research Programme (WCRP) and the climate research and support communities, stakeholders, and partners in Argentina and South America. 10/2020- <https://www.wcrp-climate.org/regional-focal-points>

COMMITTEE ACTIVITIES AND EXPERT EVALUATOR

- Advisory board member of the National Research Council (CONICET, Comisión Asesora de Ciencias de la Tierra, del Agua y de la Atmósfera para Becas), 2022-2023.
- Member of the Scientific Steering Group (SSG) for the core project on Stratosphere-troposphere Processes And their Role in Climate (SPARC), World Climate Research Programme (WCRP), 10/2020-12/2024. <https://www.sparc-climate.org/about/leadership/steering-group/>
- Member of the Scientific Committee, CLIMAT-AmSud. National Bureau of Science, Technology and Productive Innovation (MINCyT). 2020.
- Advisory board member of the National Research Council (CONICET, Comisión Asesora de Ciencias de la Tierra, del Agua y de la Atmósfera para Promociones e Informes), 2020-2021.
- Member of the Scientific Committee and Host Professor on Course “La transición energética, un enfoque desde las ciencias sociales”, Organized by the French-Argentinean Institute for the Study of Climate and its Impacts (UMI-IFAECI CNRS-CONICET-UBA) and the French- Argentine Center for Advanced Studies (CFA-UBA). 10-14 September 2018, CFA-UBA, Buenos Aires, Argentina.
- Expert Evaluator of Project Proposals, CEDIA, Ecuador, 2018-present.

- Advisory board member of the National Research Council (CONICET, Comisión Asesora de Ciencias de la Tierra, del Agua y de la Atmósfera para Becas), 2017-2018.
- Advisory board member of FONCyT to evaluate Project Proposals (Agencia Nacional de Promoción Científica y Tecnológica, ANPCYT). April 2017.
- Member of the Scientific Committee, Course on Climate Geopolitics: International Relations in a Warming World. Organized by the French-Argentinean Institute for the Study of Climate and its Impacts (UMI-IFAECI CNRS-CONICET-UBA), the French- Argentine Center for Advanced Studies (CFA-UBA), the Center for Oceanic and Atmospheric Research (CIMA/CONICET-UBA) and the Faculty of Exact and Natural Sciences of the University of Buenos Aires (FCEN-UBA). 24-28 October 2016, FCEN/UBA, Buenos Aires, Argentina.
- Advisory board member of the National Research Council (CONICET, Comisión Asesora de Ciencias de la Tierra, del Agua y de la Atmósfera para Ingresos), 2016-2017.
- Advisory board member of Research Centre of Sea and Atmosphere (CD, CIMA/CONICET-UBA), 3/2015-present.
- Member of the Technical Staff (CPA) Selection and Evaluation Committee, CIMA/CONICET-UBA, 2010-2017.
- Expert Evaluator of Project Proposals, CONACYT, Paraguay, 2014-present.
- Expert Evaluator of Project Proposals, UBACyT, 2013-present.
- Reviewer of Project Proposals, CONICET, 2011-present.
- Advisory board member of the Department of Atmospheric and Oceanic Sciences (CODEP, DCAO/FCEN), University of Buenos Aires, 1/2014-12/2015.
- Member of the Jury for Staff Selection (JTP part time), DCAO/FCEN/UBA, November 2012.
- Advisory board member of the National Bureau of Science, Technology and Productive Innovation (MINCYT), to design the National Climatic Data System (SNDC), Buenos Aires, Argentina, 2011-2012.
- Member of the Scientific Committee: A regional WCRP/SPARC Workshop with focus on the Southern Hemisphere and South America, Buenos Aires, Argentina, November 2012.
- Chair of the Local Organizing Committee: A regional WCRP/SPARC Workshop with focus on the Southern Hemisphere and South America, Buenos Aires, Argentina, November 2012.
- Pre-selected Membership of the Expert Evaluators Panel, Sixth Research Framework programme, European Commission, Brussels, Belgium, 2005.
- Expert evaluator of Project Proposals, National Science Foundation (NSF), Climate Dynamics Program, 2004.
- Membership of the Expert Evaluators Panel, Fifth Research Framework programme, European Commission, Brussels, Belgium, 2001.

TRAINING RESPONSABILITIES

- Researchers advisor,
Pablo Zaninelli (2017-present)
- Post-Doc. Director,
Pablo Zaninelli (2015-2016)
Tanea Coronato (2022-2024)
- Thesis advisor,
Luis Muñoz (PhD. Thesis on progress, FCEN/UBA)
Magdalena Falco (3/2014, Lic. Thesis, FCEN/UBA, Qualification 10/10)
Pablo Zaninelli (3/2015, PhD. Thesis, FCEN/UBA, Qualification 10/10)
Magdalena Falco (5/2019, PhD. Thesis, FCEN/UBA, Qualification 10/10)
Sandra Siles (8/2019, Lic. Thesis, UMSS, Cochabamba, Bolivia, Qualification 90/100)
Tanea Coronato (7/2022, PhD. Thesis, FCEN/UBA, Qualification 10/10)

Cintia Repinaldo (PhD. Thesis on progress, FCEN/UBA)

- Fellows director,
 - Luis Muñoz, Doctoral Fellowship (4/2023-3/2028)
 - Tanea Coronato, Post-Doc Fellowship (8/2022-7/2024)
 - Tanea Coronato, Doctoral Fellowship (4/2016-7/2022)
 - Pablo Zaninelli, Doctoral Fellowship (4/2010-3/2015)
 - Pablo Zaninelli, Post-doc Fellowship (4/2015-3/2017)
 - Magdalena Falco, Doctoral Fellowship (4/2014-3/2019)
 - Cintia Repinaldo, Doctoral Fellowship (6/2014-7/2017)
- Internships advisor,
 - Mathiew Turban (National Institute of Applied Sciences of Lyon, France, 4-8/2022)
 - Flore Martin (École Polytechnique, Université Paris-Saclay, France, 3-8/2018)
 - Sandra Siles (UMSS, Bolivia, 2017)
 - Noelia López-Franca (UCLM, Spain, 8/2013)
 - Noelia López-Franca (UCLM, Spain, 11/2012)
- Thesis jury, FCEN/UBA
 - Rocío Balmaceda Huarte (PhD. Thesis, FCEN/UBA, designed to June 2023)
 - Nicolás Bondariuk (PhD. Thesis, FCEN/UBA, 2022)
 - Francisco Mora (Magister Thesis, FCEN/UBA, 2019)
 - Elio Campitelli (Lic. Thesis, FCEN/UBA, 2018)
 - Leandro Díaz (Lic. Thesis, FCEN/UBA, 2013)
 - Ana Laura Berman (PhD. Thesis, FCEN/UBA, 2012)
 - Oscar Andrés Frumento (PhD. Thesis, FCEN/UBA, 2010)
 - Romina Ruscica (Lic. Thesis, FCEN/UBA, 2009)

FELLOWSHIPS, AWARDS AND DISTINCTIONS

- 2010: Best poster award “Daily extreme rainfall and temperature events over South America as represented by four regional models and observations”, CLARIS-LPB EU Project, Annual meeting, Florianopolis, Brazil
- 2009: Repatriation grant (Proyecto de Investigación y Desarrollo para la Radicación de Investigadores), IP-PRH 2007, PIDRI n° 1/1. Supported by ANPCyT, CONICET and UBA, Argentina.
- 2001: Post-doctoral fellowship granted by the Environmental Sciences and Energy Research Department, Weizmann Institute of Science, Rehovot, Israel.
- 1999 - 2001: Post-doctoral fellowship granted by the International Centre for Theoretical Physics (ICTP, Trieste, Italy) for Training and Research at ISAO/CNR (Research Centre for the Sea and the Atmosphere, National Council of Research), Bologna, Italy.
- 1994 - 1998: Fellowship granted by CONICET to support Ph.D. studies at CIMA-UBA, Argentina.

PROJECTS

- 2024-2025: Etude des interactions villes-climat à l’aide de la modélisation climatique urbaine: développement et analyse sur Paris et Buenos Aires INTERVILLE-CLIMLEFE/INSU Project (LEFE-EC2CO), supported by CNRS, France.
- 2022-2024: The Andes: co-constructing an e-DNA observatory of biodiversity changes in response to climate change (ANDeDNA). Regional Program CLIMAT-AmSud, an initiative of the French cooperation and its counterparts from Argentina, Bolivia, Colombia, Chile, Paraguay, Peru and Uruguay. Code 22CLIMAT-01. PI by Argentina.
- 2022-2024: PSF-CAMBIA (Changement climatique, Biodiversité et Interactions dans les Andes). Structural Training Project funded by the Institut de Recherche pour le Développement (IRD), France. PI.

- 2022-2023: La interacción superficie-atmósfera como forzante de la variabilidad del clima en Sudamérica. PIP 11220200102141CO, supported by CONICET, Argentina. PI.
- 2021: CAMBIA (Changement climatique, Biodiversité et Interactions dans les Andes, <http://cambia.cima.fcen.uba.ar/>). Financiado por la Delegación Regional de Cooperación para América del Sur (DRC) del Ministerio de Europa y Asuntos Extranjeros de Francia (MEAE), la Embajada de Francia en Argentina, Bolivia, Chile, Colombia, Ecuador y Perú. PI.
- 2020-2022: Simulación energética de viviendas. Requerimientos de energía para climatización en un contexto de variabilidad y cambio climático. Universidad Nacional de Rosario. CODIGO: 80020190100069UR. Co-PI.
- 2018-2020: Eventos meteorológicos y climáticos de alto impacto social. Proyecto de equipamiento asociado al PUE-2016 22920160100018CO. Supported by ANPCyT (PICTe-2018-0054), Argentina. Co-PI.
- 2018: Perspectives on plant dynamics and climate change in the Andes. Newton Fund Latin America Biodiversity Researcher Links Workshop grants, ID 2017-RLWK9-359514245, funded by the UK Department of Business, Energy and Industrial Strategy (BEIS) and CONICET, and delivered by the British Council. Co-PI.
- 2017-2021: Eventos meteorológicos y climáticos de alto impacto social. PUE-2016 22920160100018CO. Supported by CONICET, Argentina. Co-PI.
- 2017-2019: Interrelaciones entre balances de agua, energía y condiciones de la superficie continental. Supported by ANPCyT (PICT-2015-3097), Argentina. PI.
- 2016-2018: Variabilidad climática e interacción superficie continental-atmósfera. PIP 11220150100402CO, supported by CONICET, Argentina. Co-PI.
- 2016 – 2018: Interacción superficie continental-atmósfera en un contexto de variabilidad climática. Supported by ANPCyT (PICT-2014-0887), Argentina. Participant by CIMA.
- 2015 – 2016: Climate variability and soil-biosphere-atmosphere interactions in South America. LEFE/INSU Project (AO2015- 876370), supported by CNRS, France. PI.
- 2012 - 2015: Climatología numérica de extremos en Sudamérica: influencia remota y local. PIP-112-201101-00932 supported by CONICET, Argentina. PI.
- 2011 - 2014: Extreme events in South America and its potential change under climate change scenarios. PICT-PRH-01-01 PICT 2008-00237 supported by ANPCyT, Argentina. PI.
- 2009 - 2011: Análisis de escenarios de cambio climático y extremos en Sudamérica: incertidumbre asociada y procesos físicos intervinientes, PIP 112-200801-01788 supported by CONICET, Argentina. Co-PI.
- 2008 - 2012: CLARIS-LPB (A Europe-South America Network for Climate Change Assessment and Impact Studies in La Plata Basin). Project supported by the European Commission (7th Framework Programme, Grant Agreement 212492). <http://www.claris-eu.org/>. WP Leader (“WP6: Processes and future evolution of extreme climate events in La Plata Basin”).
- 2004 – 2009: ENSEMBLES-based Predictions of Climate Changes and their Impacts (<http://ensembles-eu.metoffice.com/index.html>). Project supported by the European Commission (IP, 6th Framework Programme, GOCE-CT-2003-505539).
- 2004 - 2007: CLARIS (A Europe-South America Network for Climate Change Assessment and Impact Studies, <http://www.claris-eu.org/>). Project supported by the European Commission (6th Framework Programme, Grant GOCE-CT-2003-01454), Brussels, Belgium. Co-PI and WP Leader (“WP2.1: Earth System Modelling”).
- 2004 - 2008: MERSEA IP (Marine Environment and Security for the European Area - Integrated Project; <http://www.mersea.eu.org/>). Project supported by the European Commission (6th Framework Programme, contract number SIP3-CT-2003-502885).
- 2002 - 2004: PRISM (Programme for Integrated earth System Modelling; <http://prism.enes.org/>). Project supported by the European Commission (5th Framework Programme, contract number EVR1-CT-2001-40012). WP Leader (“WP5: Demonstrations”).
- 2000 - 2003: PREDICATE (Mechanisms and Predictability of Decadal Fluctuations in Atlantic-European Climate; <http://ugamp.nerc.ac.uk/predicate/>). Project supported by the European Commission (contract number EVK2-CT-1999-0020).
- 1994 - 1998: Model Validation, Atmospheric Variability and Climate Sensitivity over South America. Project supported by the European Commission.

MEETING AND WORKSHOP PARTICIPATIONS

- 2021, November 23-24: Taller sobre cambio climático, biodiversidad e interacciones en los Andes (CAMBIA). Fundación Pablo Cassará, CABA, Argentina.
- 2019, November 27: Ciencia y gobernanza de la geoingeniería solar. ¿Qué papel tendrá Sudamérica? Taller participativo, IFAECI-CONICET-SRMGI. Buenos Aires, Argentina.
- 2019, October 14-18: ICRC-CORDEX 2019, International Conference on Regional Climate, Beijing, China.
- 2019, May 10: Jornada UMI IFAECI. Reflexiones sobre la interdisciplina y la intersectorialidad en los estudios del clima. FCEN/UBA, Buenos Aires, Argentina
- 2018, August 15-18: Newton Fund Workshop on Plant Dynamics and Climate Change in the Andes, IANIGLA, Mendoza, Argentina.
- 2017, December 6-7: Taller sobre iniciativas para acelerar el despliegue y la transferencia de tecnología del Climate Technology Centre and Network (CTCN). Ciudad Autónoma de Buenos Aires, Argentina.
- 2017, November 17: Presentación del documento “Identificación de las problemáticas centrales de la Argentina para alcanzar un desarrollo sustentable. Sugerencias para superarlas desde el ámbito de incumbencia del Ministerio de Ciencia, Tecnología e Innovación Productiva”. Comisión Asesora para el Desarrollo Sustentable (CADES), CITIDES Programme. Centro Cultural de la Ciencia, Ministerio de Ciencia, Tecnología e Innovación Productiva, Ciudad Autónoma de Buenos Aires, Argentina.
- 2017, September 28-29: III Workshop Internacional de Ecofisiología de Cultivos. Mar del Plata, Argentina.
- 2017, May 22-23: CTCN Research, Development and Demonstration (RD&D) expert and scoping workshop. Organized by the Climate Technology Centre & Networking, United Nations Environment Panel (UNEP), Copenhagen, Denmark.
- 2017, April 25-26: CNRS UMI in the Americas Workshop. Organized by CNRS (France) and CONACYT (Mexico), Mexico City, Mexico.
- 2016, December 19: Lanzamiento del Proyecto estratégico “Tecnología para la previsión de catástrofes”. Organized by INNOVACION COLECTIVA, Ministerio de Ciencia, Tecnología e Innovación Productiva. Museo de la Casa Rosada, Ciudad Autónoma de Buenos Aires, Argentina.
- 2016, December 1: Jornada de la Red Científica Franco-Argentina, organized by Institut Français d'Argentin and the French Embassy in Argentina. Alianza Francesa, Ciudad Autónoma de Buenos Aires, Argentina.
- 2016, August 31: Reunión informativa sobre los mecanismos de participación de la Argentina en el Mecanismo Tecnológico de la Convención Marco de Naciones Unidas para el Cambio Climático. Ministerio de Ciencia, Tecnología e Innovación Productiva, Ciudad Autónoma de Buenos Aires, Argentina.
- 2016, February 25: Foro sobre la Cooperación Científica Franco-Argentina, en ocasión de la visita de Estado del Excelentísimo Señor Presidente de la República Francesa Dr. François Hollande. Auditorio del Centro Cultural de la Ciencia. Polo Científico y Tecnológico. Ciudad Autónoma de Buenos Aires, Argentina.
- 2015, September 4: Evento de difusión del 5° informe de evaluación del IPCC (AR5), Torcuato Di Tella University, Buenos Aires, Argentina.
- 2015, April 23: Taller de Vigilancia Tecnológica e Inteligencia Competitiva: Herramientas para la búsqueda y análisis de información científica de patentes. Science and Technology Office, University of Buenos Aires, Argentina.
- 2015, March 15: Presentation of the Third National Communication on Climate Change, Salón Norte, Casa de Gobierno, Buenos Aires, Argentina
- 2015, March 9-12: Climate downscaling and scale interaction. Centro de Investigaciones del Mar y la Atmósfera. UMI-IFAECI Meeting. Ciudad de Buenos Aires, Argentina.
- 2015, March 9-10: Environment Seminar: Exchanging Bi-regional Experiences on Climate Services to Identify Joint Activities. Bi-regional meeting on Climate Services and Brokerage event. Academia Nacional de Ciencias Exactas, Físicas y Naturales. Buenos Aires, Argentina.
- 2014, December 4-5: UMI Plenary Meeting. Servicio Meteorológico Nacional (Sede Dorrego), Buenos Aires, Argentina
- 2012, November 26-17: Regional WCRP/SPARC Workshop with focus on the Southern Hemisphere and South America, Buenos Aires, Argentina.

- 2012, September 17-21: CLARIS-LPB Annual Meeting, Punta del Este, Uruguay.
- 2012, May 16-18: CLARIS-LPB WP5-WP6 meeting. Hamburg, Germany.
- 2011, November 23-25: Andes Meeting (UMI-CIMA-IANIGLA), Mendoza, Argentina.
- 2011, September 5-9: CLARIS-LPB Annual Meeting, Toledo, Spain.
- 2011, May 6-7: CLARIS-LPB WP4 Meeting, Montevideo, Uruguay.
- 2011, April 25-27: 2nd. Meeting of IFAECI (UMI 3351), Argentinean Museum of Natural Sciences, Buenos Aires, Argentina
- 2010, November 7-12: CLARIS-LPB Annual Meeting, Florianopolis, Brazil.
- 2010, November 4-5: UMI (Instituto Franco-Argentino sobre Estudios de Clima y sus Impactos) Kick Off Meeting, Buenos Aires, Argentina
- 2008, November 10-13: CLARIS-LPB kick-off Meeting, Buenos Aires, Argentina.
- 2007, October 31: Modelado Climático: Situación actual en Japón y en el Mercosur. Gran Hotel Buenos Aires, Ciudad Autónoma de Buenos Aires, Argentina.
- 2007, April 23-24: 4th MERSEA annual plenary meeting, CNR, Rome, Italy.
- 2007, February 19: La sfida della scienza del clima: Un'iniziativa italiana. The Euro-Mediterranean Centre for Climate Change. Sala del Tempio di Adriano, Piazza di Pietra, Rome, Italy.
- 2007, January 29-February 2: ENSEMBLES RT8 Workshop on Extreme Climatic Events, Riederalp, Switzerland.
- 2006, November 29-30: MERSEA WP11 meeting on Seasonal Forecasting activities, INGV, Bologna, Italy.
- 2006, November 27-29: Workshop on the Sino-Italian Cooperation in climate research: CMCC-NCC activities, Bologna, Italy.
- 2006, November 20-24: ENSEMBLES, Third General Assenbly, Lund, Sweden.
- 2006, November 13-14: CLARIS La Plata Basin preparation meeting, IPSL, Paris, France.
- 2006, June 23-23: CLARIS Second Year Meeting, IPSL, Paris, France.
- 2006, March 25-28: ENSEMBLES Workshop on Extreme Climatic Events and Impacts, Riederalp, Switzerland.
- 2006, March 6-7: 3rd MERSEA annual plenary meeting, QE II Conference Centre, London, UK
- 2006, March 2: CLARIS WP2.1 workshop, UBA, Buenos Aires, Argentina.
- 2005, October 13-14: MERSEA WP11 meeting on Seasonal Forecasting activities, INGV, Bologna, Italy.
- 2005, July 7-9: CLARIS First Year Project Meeting, ISCI, Bologna, Italy.
- 2005, March 1-4: Workshop on Analyses of Climate Model Simulations for the IPCC AR4, University of Hawaii, Honolulu, Hawaii.
- 2004, October 7-8: PRISM Final Project Meeting, KNMI, De Bilt, Netherlands.
- 2004, September 20-23: CLARIS kick-off Meeting, Foz do Iguacu, Brazil.
- 2004, June 28-30: PRISM WP5 meeting on demonstration activities and SSW Meeting, IPSL, Paris, France.
- 2004, April 1: PRISM WP5 meeting on demonstration activities, INGV, Bologna, Italy.
- 2003, November 24-25: PRISM Second Year Project Meeting, KOWI, Brussels, Belgium.
- 2003, October 23-24: PRISM SSW Meeting, KNMI, De Bilt, Netherlands.
- 2003, June 12-13: PRISM WP5 meeting on demonstration activities and SSW Meeting, University of Reading, Reading, UK.
- 2003, February 26-28: PRISM Wokshop and SSW Meeting, Brussels, Belgium.
- 2003, February 10-13: PREDICATE Final Meeting, Institute for Marine Research, Kiel, Germany.
- 2002, November 25: PRISM WP5 meeting on demonstration activities, INGV, Bologna, Italy.
- 2002, November 13-14: PRISM Steering Group Meeting, Brussels, Belgium.
- 2002, June 26-27: PRISM Meeting, KNMI, De Bilt, Netherlands.
- 2002, May 22-24: PRISM First Project Meeting, CERFACS, Toulouse, France.
- 2002, March 1: PREDICATE Meeting, University of Reading, UK.
- 1998, June 4-5: Workshop on model validation, atmospheric variability and climate sensitivity over South America. Buenos Aires, Argentina.
- 1997, April 16-18: IAI-NSF Workshop: A regional virtual center of interannual climate variability and ENSO in the MERCOSUR region. Buenos Aires, Argentina.
- 1995, July 10-12: Symposium on Potential Uses of Seasonal to Interannual Climate Prediction in Water Resources Management in Central and South America. IRICP, NOAA and FICH-UNL, Santa Fe, Argentina.

PUBLICATIONS

- Tovar C., A.F. Carril, A.G. Gutiérrez, A. Ahrends, L. Fita, P. Zaninelli, P. Flombaum, A.M. Abarzúa, D. Alarcon, V. Aschero, S. Báez, A. Barros, J. Carilla, M.E. Ferrero, S.G.A. Flantua, P. Gonzáles, C.G. Menéndez, O.A. Pérez-Escobar, A. Pauchard, R.C. Ruscica, T. Sarkinen, A.A. Sörensson, A. Srur, R. Villalba, P.M. Hollingsworth, 2022: Understanding climate change impacts on plant distributions in the Andes: challenges and opportunities. *Journal of Biogeography*. <http://doi.org/10.1111/jbi.14389>
- López-Franca N., E. Sánchez, C.G. Menéndez, A.F. Carril, P. Zaninelli and P. Flombaum, 2022: Characterization of seasons over the extratropics based on the annual daily mean temperature cycle. *Int. J. of Climatology*. <https://doi.org/10.1002/joc.7549>.
- Coronato T., A.F. Carril, P. Zaninelli, J. Giles, R. Ruscica, M. Falco, A. Sörensson, L. Fita, L.Z.X. Li, and C. G. Menéndez, 2020: The impact of soil moisture–atmosphere coupling on daily maximum surface temperatures in Southeastern South America. *Climate Dynamics*, 55(9), 2543-2556, doi: 10.1007/s00382-020-05399-9.
- Pabón-Caicedo J.D., Arias P.A., A.F. Carril, J.C. Espinoza, K. Goubanova, W. Lavado, M. Masiokas, S. Solman and R. Villalba, 2020: Observed and projected hydroclimate changes in the Andes. *Front. Earth Sci.* doi: 10.3389/feart.2020.00061.
- Falco M., A.F. Carril, C.G. Menéndez, L. Z.X. Li and C. Cabrelli, 2019: The potential for added value of Regional Climate Models in South America using a multiresolution approach. *Climate Dynamics*. DOI :10.1007/s00382-019-05073-9.
- Falco M., L.Z.X. Li, C.G. Menéndez and A.F. Carril, 2019: The influence of South American regional climate on the simulation of the Southern Hemisphere extratropical circulation. *Climate Dynamics*. DOI: 10.1007/s00382-019-04940-9
- Menéndez C.G., Giles J., Ruscica R., Zaninelli P., Coronato T., Falco M., Sörensson A., Fita L., Carril A. F. and Li L., 2019: Temperature variability and soil-atmosphere interaction in South America simulated by two regional climate models. *Climate Dynamics*. DOI: 10.1007/s00382-019-04668-6.
- Falco M., A.F. Carril, C.G. Menéndez, P.G. Zaninelli and L.Z.X. Li, 2018: Assessment of CORDEX simulations over South America: added value on seasonal climatology and resolution considerations. *Climate Dynamics*. DOI:10.1007/s00382-018-4412-z.
- Sanabria A.L. and A.F. Carril, 2018: Maps of wind hazard over South Eastern South America: present climate and projections. *Climatic Change*, DOI:10.1007/s10584-018-2174-6.
- Zaninelli P.G., C.G. Menéndez, M. Falco, N. López-Franca and A.F. Carril, 2018: Future hydroclimatological changes in South America based on an ensemble of regional climate models. *Climate Dynamics*. DOI: 10.1007/s00382-018-4225-0.
- López-Franca, N., P. Zaninelli, A. F. Carril, C. G. Menéndez and E. Sánchez, 2016: Changes in 21st century scenarios for temperature extremes in South America derived from a multi-model ensemble of regional climate models. *Climate Research*, DOI 10.3354/cr01393.
- Boulanger J.P., A.F. Carril and E. Sánchez, 2016: CLARIS-La Plata Basin: the regional climate variability and the analysis of an ensemble of regional hydroclimate scenarios and their uncertainties. *Climate Research*. DOI 10.3354/cr01392.
- Carril A. F., I. F. A. Cavalcanti, C. G. Menéndez A. Sörensson, N. López-Franca, J.A. Rivera, F. Robledo, P. G. Zaninelli, T. Ambrizzi, O. C. Penalba, R. P. da Rocha, E. Sánchez, M.L. Bettolli, N. Pessacq, M. Renom, R. Ruscica, S. Solman, B. Tencer, A. Grimm, M. Rusticucci, A. Cherchi, R. Tedeschi and L. Zamboni, 2016: Extreme events in La Plata basin: A retrospective analysis of what we have learned during CLARIS-LPB project. *Climate Research*. DOI 10.3354/cr01374.
- Menéndez C.G., P. G. Zaninelli, A. F. Carril and E. Sánchez, 2016: Hydrological cycle, temperature and land surface-atmosphere interaction in La Plata Basin during summer: response to climate change. *Climate Research*. DOI 10.3354/cr01373.
- Cavalcanti I., A.F. Carril, O. C. Penalba, A. M. Grimm, C. Menéndez, E. Sanchez, A. Cherchi, A. Sörensson, F. Robledo, J. Rivera, V. Pantano, M.L. Bettolli, P. Zaninelli, L. Zamboni, R. G. Tedeschi, M. Dominguez, R. Ruscica and R. Flach, 2015: Precipitation extremes over La Plata Basin -Review and new results from observations and climate simulations. *J. of Hydrology*. 523(0): 211-230.
- Zaninelli P., A. F. Carril y C. G. Menéndez, 2015: Explorando temperaturas máximas y mínimas en diferentes reanálisis. Parte 1: Campos medios estacionales (Exploring on the maximum and

- minimum temperatures in different reanalysis. Part 1: Seasonal mean fields; In spanish). *Meteorologica*, 40(1), 43-58.
- Zaninelli P., C. G. Menéndez y A. F. Carril, 2015: Explorando temperaturas máximas y mínimas en diferentes reanálisis. Parte 2: Variabilidad en distintas escalas temporales. *Meteorologica*, 40(1), 59-76.
- Marengo J., S. Chou, C. Mourao, S. Solman, E. Sanchez, P. Samuelsson, R. da Rocha, L. Li, N. Pessacg, A. R.C. Remedio, A. F. Carril, I.F Cavalcanti, D. Jacob and E. Beserra, 2013: Simulation of the drought of Amazonia in 2005 using a suite of seven regional climate models from the CLARIS LPB project. *Clim. Dyn.*, 41, 2937-2955, DOI 10.1007/s00382-013-1919-1.
- Cherchi A., A. F. Carril, C. G. Menéndez and L. Zamboni, 2013: La Plata Basin precipitation variability in spring: Role of remote SST forcing as simulated by GCM experiments. *Clim. Dyn.* DOI 10.1007/s00382-013-1768-y.
- Carril A. F., C. G. Menéndez A. R. C. Remedio, F. Robledo, A. Sörensson, B. Tencer, J.-P. Boulanger, M. de Castro, D. Jacob, H. Le Treut, L. Z. X. Li, O. Penalba, S. Pfeifer, M. Rusticucci, P. Salio, P. Samuelsson, E. Sanchez and P. Zaninelli, 2012: Assessment of a multi-RCM ensemble for South America. *Clim. Dyn.*, 39 (12), 2747-2768. DOI: 10.1007/s00382-012-1573-z.
- Alessandri A., A. Borelli, S. Masina, A. Cherchi, S. Gualdi, A. Navarra, P. Di Pietro and A. F. Carril, 2010: The INGV-CMCC Seasonal Prediction System: improved ocean initial conditions. *Mon. Wea. Rev.*, 138 (7), 2930-2952, DOI: 10.1175/2010MWR3178.1
- Boulanger J.-P., G. Brasseur, A. F. Carril, M. Castro, N. Degallier, C. Ereño, J. Marengo, H. Le Treut, C. Menendez, M. Nuñez, O. Penalba, A. Rolla, M. Rusticucci and R. Terra, 2010: The European CLARIS Project: A Europe-South America Network for Climate Change Assessment and Impact Studies, *Climatic Change*, 98(3), 307-329, DOI 10.1007/s10584-009-9734-8.
- Menéndez C. G. and A. F. Carril, 2010: Potential changes in extremes and links with the Southern Annular Mode as simulated by a multi-model ensemble, *Climatic Change*, 98(3), 359-377, DOI 10.1007/s10584-009-9735-7.
- Carril A. F., S. Gualdi, A. Cherchi and A. Navarra, 2008: Heatwaves in Europe: Areas of homogeneous variability and links with the regional to large-scale atmospheric and SSTs anomalies, *Clim. Dyn.*, 30(1), 77-98, DOI: 10.1007/s00382-007-0274-5
- Collins M., Botzet M., A. F. Carril, H. Drange, A. Jouzeau, M. Latif, S. Masina, O. H. Otteraa, H. Pohlmann, A. Sorteberg, R. Sutton and L. Terray, 2006: Interannual to Decadal Climate Predictability in the North Atlantic: A Multi-Model-Ensemble Study, *J. Climate*, 19, 1195-1203.
- Carril A. F., C. G. Menéndez and A. Navarra, 2005: Climate response associated with the Southern Annular Mode in the surroundings of Antarctic Peninsula: A multimodel ensemble analysis. *Geophys. Res. Lett.*, 32, doi:10.1029/2005GL023581.
- Carril A. F., A. Navarra and S. Masina, 2004: Ocean - sea ice - atmosphere oscillations in the Southern Ocean as simulated by the SINTEX coupled model. *Geophys. Res. Lett.*, 31, doi:10.1029/2004GL019623.
- Frankignoul C., E. Kestenare, M. Botzet, A. F. Carril, H. Drange, A. Pardaens, L. Terray and R. Sutton, 2004: An intercomparison between the surface heat flux feedback in five coupled models, COADS and the NCEP reanalysis. *Clim. Dyn.*, 22: 373-388.
- Vera C., G. Silvestri, V. Barros and A.F. Carril, 2004: Differences in El Niño response over the Southern Hemisphere. *J. Climate*, 17 (9), 1741-1753.
- Carril A. F., C. G. Menéndez, M. N. Nuñez and H. Le Treut, 2002: Mean flow-transient perturbations interaction in the Southern Hemisphere: A simulation using a variable-resolution GCM. *Clim. Dyn.*, 18: 661-673.
- Carril A. F. and A. Navarra, 2001: Low-frequency variability of the Antarctic Circumpolar Wave. *Geophys. Res. Lett.*, 28 (24), 4623-4626.
- Carril A. F. and A. Navarra, 2001: The interannual leading modes of the extratropical variability in the Southern Hemisphere simulated by the ECHAM-4 atmospheric model. *Clim. Dyn.*, 18, 1-16.
- Carril A. F., M. N. Nuñez and C. G. Menéndez, 2001: Las ondas estacionarias en el Hemisferio Sur. *Meteorologica*, 25, 15-25.
- Carril A. F. and M. N. Nuñez, 2000: La respuesta de la circulación atmosférica en el Hemisferio Sur ante cambios prescritos en la temperatura de la superficie del mar extratropical. *Atmósfera*, 13, 39-51.
- Carril A. F., C. G. Menéndez, M. N. Nuñez and H. Le Treut, 1999: Simulaciones de la climatología austral con el modelo de circulación general LMDZ/CIMA. *Meteorologica*, 24, 35-52.

- Carril A. F. and L. Z. X. Li, 1998: Representación del Anticiclón Boloviano según el modelo de circulación general LMDZ/CIMA. *Meteorologica*, 23, 27-36.
- Carril A. F., M. E. Doyle, V. Barros and M. N. Nuñez, 1997: Impacts of climate change on the oases of the Argentinean cordillera. *Clim. Research*, 9, 121-129.
- Carril A. F., C. G. Menéndez and M. N. Nuñez, 1997: Climate change scenarios over the South American region: An intercomparison of coupled general atmosphere-ocean circulation models. *Int. J. Climatol.*, 17, 1613- 1633.

Proceedings' Papers

- Coronato T., P. Zaninelli, R. Abalone and A.F. Carril, 2022: Demanda energética para la climatización de una vivienda social en un contexto de cambio climático. Proceeding paper, 12pp., in ASADES, XLIV Reunión de Trabajo y Exposición de Energías Renovables y Ambiente, October 31-November 4, UNCA, Catamarca, Argentina.
<http://asades.org.ar/publicacion/>
- Coronato T., P. Zaninelli, R. Abalone and A.F. Carril, 2020: The energy demand of social dwelling for acclimatization. Sensitivity to climate change and interventions. PLEA 2020 – Planning Post Carbon Cities (vol. 2), J.R. Álvarez & J.C. Soares Goncalves Eds., Universidade Da Coruña, Spain, 1245-1250, <http://hdl.handle.net/2183/26695>. Proceeding paper, 6pp., in 35th PLEA Conference on Passive and Low Energy Architecture, September 1-3, 2020.
- Falco M., P. Araujo, P. Flombaum y A.F. Carril, 2015: Control de la precipitación en la variabilidad del ciclo del carbono en el noroeste de la Patagonia Argentina. Proceeding paper, 10pp. In CONGREGMET XII, May 26-29, Mar del Plata, Argentina.
<http://cenamet.org.ar/congremet/trabajos/>

Thesis

- 1998: Estudios de sensibilidad climática en el Hemisferio Sur de acuerdo al modelo de circulación general LMDZ/ CIMA (Climate sensitivity studies over the Southern Hemisphere using the LMDZ/CIMA general circulation model; In spanish). Ph.D. Thesis, Buenos Aires University, Argentina, 158pp. Available at
http://digital.bl.fcen.uba.ar/Download/Tesis/Tesis_3081_Carril.pdf
- 1994: El Niño-Oscilación del Sur: Una simulación numérica (El Niño-Southern Oscillation: A numerical simulation; In spanish). M.Sc. Thesis, Buenos Aires University, Argentina, 92pp

Web products

- Soccimarro E. and Carril A. F., 2006: MATLAB and Practical Applications on Climate Variability Studies. Educational kit available on-line at "Earth prints repository"
<http://hdl.handle.net/2122/1044>.

Technical Reports

- Barros V., C. Vera, E. Agosta, D. Araneo, I. Camilloni, A.F. Carril, M. Doyle, O. Frumento, M. Nuñez, M.I.O. de Zárate, O. Penalba, M. Rusticucci, C. Saulo y S. Solman, 2015: Cambio climático en Argentina; tendencias y proyecciones. Tercera Comunicación Nacional de la República Argentina a la Convención Marco de las Naciones Unidas sobre Cambio Climático. Secretaría de Ambiente y Desarrollo Sustentable de la Nación. 341pp. On-line at
http://3cn.cima.fcen.uba.ar/3cn_informe.php or
<https://www.argentina.gob.ar/ambiente/sustentabilidad/cambioclimatico/comunicacionnacional/tercera/modelos>
- Barros V., C. Vera, E. Agosta, D. Araneo, I. Camilloni, A.F. Carril, M. Doyle, O. Frumento, M. Nuñez, M.I.O. de Zárate, O. Penalba, M. Rusticucci, C. Saulo y S. Solman, 2015: La vulnerabilidad al cambio climático e impactos observados. Capítulo 4 en "Tercera Comunicación Nacional de

- la República Argentina a la Convención Marco de las Naciones Unidas sobre el Cambio Climático”, 99-147pp. On-line at <https://unfccc.int/documents/67499>
- Vera C. S., M. Pulido and A. Carril, 2013: Report on the Regional WCRP/SPARC Workshop with focus on the Southern Hemisphere and South America. SPARC Newsletter, N. 41, 11-15. On-line at www.woa.ees.hokudai.ac.jp/~fuji/paper/41_SPARCnewsletter_Jul2013_web.pdf
- Cavalcanti I F. A., A. F. Carril and contributing authors, 2011: CLARIS-LPB: Processes and Future Evolution of Extreme Climate Events in La Plata Basin. In Exchanges, Scientific Contributions (CLIVAR), N° 57, Vol 16 (3), 22-24. Available at <http://www.clivar.org/sites/default/files/documents/Exchanges57.pdf>
- Scoccimarro E., S. Gualdi, A. Bellucci, A. F. Carril, P.G. Fogli and A. Navarra, 2009: CMCC-SXF025: A High-Resolution Coupled Atmosphere Ocean General Circulation Climate Model. Centro Euro-Mediterraneo per i Cambiamenti Climatici, CMCC Research Paper 18, 63pp. Available at SSRN: <http://ssrn.com/abstract=1368298>
- Menéndez C. G. and A. F. Carril, 2006: On the relationship between SAM and frost days as represented by an ensemble of IPCC AR4 models, CLARIS Newsletter, ISSN 1669-3264, Issue 5, 21-25. Available at: http://eolo.cima.fcen.uba.ar/documents/newsletter/news_5_low.pdf
- Carril A. F. and E. Scoccimarro, 2006: Training activities on climate variability studies based on MATLAB applications, CLARIS Newsletter, ISSN 1669- 3264, Issue 4, 15-18. Available at http://eolo.cima.fcen.uba.ar/documents/newsletter/news_4_low.pdf
- Menéndez C. G. and A. F. Carril, 2005: SAM-related variations in the Antarctic Peninsula from IPCC AR4 models. In Exchanges, Scientific Contributions (CLIVAR), No 35, Vol. 10 (4), 6-7. Available at <http://www.clivar.org/sites/default/files/documents/Exchanges35.pdf>
- Carril A. F., 2004: Demonstration Runs and Community Activities. Chapter 7 on Programme for integrated earth system modelling (PRISM FP5 EU) Detailed Documentation, available at https://www.dkrz.de/mms/pdf/klimadaten/vortraege/extern/projects/prism/dd/chapter_07.pdf and based on The PRISM Demonstration Runs (PRISM Report Series n°14, 174pp), and on The TOYCLIM Demonstration Run Report (PRISM Report Series n°13, 72pp), <http://prism.enes.org/>
- Collins M., A. F. Carril, H. Drange, H. Pohlmann, R. Sutton and L. Terray, 2003: North Atlantic decadal predictability. In Exchanges, Scientific Contributions (CLIVAR), N°28, Vol. 8 (4), 6-7. Available at <http://www.clivar.org/sites/default/files/documents/Exchanges28.pdf>
- Carril A. F. and C. G. Menéndez, 1999: Mean-flow transient perturbations interaction in the Southern Extratropics using a low-resolution GCM. *WMO/TD 942*, 7.13-7.14.
- Menéndez C. G., A. F. Carril and L. X. Z. Li, 1999: Southern Hemisphere sensitivity to horizontal resolution: A simulation using a meridional stretched grid scheme. *WMO/TD 942*, 3.24-3.25.
- Li L. Z. X. and A. F. Carril, 1998: Transient properties of atmospheric circulation in two reanalysis datasets. *IPSL TN n°10*, Paris, France, 24pp.
- Carril A. F., M. N. Nuñez and C. G. Menéndez, 1997: Southern Hemisphere climate simulations using a general circulation model at CIMA. *WMO/TD 792*, Report 25, 7.6-7.7pp.
- Carril A. F. and M. E. Doyle, 1996: Estudio de los caudales de los ríos de San Juan y Mendoza y su relación con el IOS (San Juan and Mendoza river flows anomalies and the Southern Oscillation; In spanish). *IRIP CR-SF96/ 1*, Columbia, USA, 14-18.
- Carril A. F., 1994: El Niño-Oscilación del Sur: Una simulación numérica (El Niño-Southern Oscillation: A numerical simulation; In spanish). *CIMA 94/1TL*, Buenos Aires, Argentina, 92pp.

Abstracts

- Laurent A., Cardoso Elias M., Franco G., Carril A.F., Trevisan E., Bedim Godoy R.F. and Flombaum P, 2022: Meteorological conditions as a driver of water quality in northeast Brazil. CONGREGMET XIV, November 7-11, Buenos Aires, Argentina. *Abstract*.

- Coronato T., Zaninelli P., Abalone R. and A.F. Carril, 2022: Picos de requerimiento energético para la climatización de viviendas sociales ante la ocurrencia de olas de calor en el futuro cercano. CONGREGMET XIV, November 7-11, Buenos Aires, Argentina. *Abstract*.
- Coronato T., Zaninelli P., Abalone R. and A.F. Carril, 2022: Olas de calor en el centro-este de Argentina: su caracterización y proyecciones de cambio. CONGREGMET XIV, November 7-11, Buenos Aires, Argentina. *Abstract*.
- Carril A.F., M. Falco, Carlos Cabreli, L.Z.X. Li and C.G. Menéndez, 2019: The potential added value of Regional Climate Models in South America using a multiresolution approach. ICRC-CORDEX 2019, International Conference on Regional Climate, October 14-18, Beijing, China. *Abstract*.
- Carril A.F., M. Falco, L.Z.X. Li and C.G. Menéndez, 2019: The influence of regional nudging over South America on the simulation of the Southern Hemisphere extratropical circulation. ICRC-CORDEX 2019, International Conference on Regional Climate, October 14-18, Beijing, China. *Abstract*.
- Carril A.F., T. Coronato, R. Abalone, P. Zaninelli, 2019: Energy simulation of social housing in Argentina: how extremes and climate change impact on the energy demand. ICRC-CORDEX 2019, International Conference on Regional Climate, October 14-18, Beijing, China. *Abstract*.
- L. Fita, A. F. Carril, P. Flombaum, C. Menéndez, R. Ruscica, A. Sörensson, P. Zaninelli, 2019: Results of a new methodology for the analyze the climate change uncertainty on a high step mountain range. Application at the Andes. ICRC-CORDEX 2019, International Conference on Regional Climate, October 14-18, Beijing, China. *Abstract*.
- L. Fita, A. F. Carril, R. Villalba and Jan Polcher, 2019: Climate change estimations of fluvial discharge from the main Andean rivers. ICRC-CORDEX 2019, International Conference on Regional Climate, October 14-18, Beijing, China. *Abstract*.
- Coronato T., Zaninelli P. and A.F. Carril, 2018: Impacto de la humedad del suelo en extremos de temperatura en el sudeste de Sudamérica. Congregmet XIII, October 16-19, Rosario, Argentina. *Extended Abstract*.
- Sanchez E., N. López-Franca Arema, C.G. Menéndez and A.F. Carril, 2018: A proposal to define seasons based on daily temperature annual cycle through their daily values and changes extremes. EGU General Assembly, April 8-13, Vienna, Austria. *Abstract*.
- Sanabria L.A., A.F. Carril and R.P. Cechet, 2018: Wind hazard over South Eastern South America considering current as well as future climate conditions. Joint 25th AMOS National Conference and 12th International Conference for Southern Hemisphere Meteorology and Oceanography, February 5-9, Sidney, Australia. *Abstract*.
- Carril, A. F., 2017: Cambio Climático en Argentina (**invited talk**). III Workshop Internacional de Ecofisiología de Cultivos. September 28-29, Mar del Plata, Argentina. *Abstract*.
- Repinaldo C., A.F. Carril y G.V. Müller, 2017: Eventos extremos fríos en el Sudeste de Sudamérica. XXVIII Reunión Científica de la Asociación Argentina de Geofísicos y Geodestas. April 17-21, UNLP, La Plata, Argentina. *Abstract*.
- Camilloni I., S. A. Solman, V. Barros, A.F. Carril and M. Nuñez, 2015: Climate Change in Argentina: Third National Communication- The framework for model selection and development of high resolution climate projections. IPCC Workshop on Regional Climate Projections and their Use in Impacts and Risk Analysis Studies, September 15-18, São José dos Campos, Brazil. *Extended Abstract*.
- Barros, V., C. Vera, E. Agosta, D. Araneo, I. Camilloni, A. F. Carril, M Doyle, O. Frumento, M. Nuñez, M. Ortiz de Zárate, O. Penalba, M. Rusticucci., C. Saulo and S. Solman, 2015: Observed and XXI Century Projected Climate Change in Argentina. IPCC Workshop on Regional Climate Projections, September 15-18, São José dos Campos, Brazil. *Extended Abstract*.
- Zaninelli P., C.G. Menéndez y A.F. Carril, 2015: Campos medios, variabilidad interanual y procesos de acople entre la humedad del suelo y la temperatura en Sudamérica. CONGREGMET XII, May 26-29, Mar del Plata, Argentina. *Abstract*.
- Repinaldo C.R.R., H.F.B. Repinaldo, A.F. Carril and G.V. Müller, 2015: Projected changes in frequency and intensity of cold waves in southeastern South America. CONGREGMET XII, May 26-29, Mar del Plata, Argentina. *Abstract*.

- Carril A. F., M. Rusticucci, B. Cerne, O. Penalba, C. Menéndez, A. Godoy, D. Moreira, F. Robledo, A. Sorensson, M.L. Bettolli, M. Barrucand, M. Doyle, W. Dragani, A. Hannart, M.P. Llano and W. Vargas, 2014: Variabilidad climática y cambio en los eventos extremos en Sudamérica. UMI IFAECI Plenary Meeting. <http://www.cima.fcen.uba.ar/UMI-2014>. December 11-12, Buenos Aires, Argentina.
- Zaninelli P., A. F. Carril, C. G. Menéndez and E. Sánchez, 2014: Dry spells: RCMs performance to simulate present climate and projections for future climate in South America. In 21st Century Challenges in Regional Climate Modelling. 3rd International Lund Regional-Scale Climate Modelling Workshop. Workshop proceedings, page 304-305, Poster T3-77. June 16-19, Lund, Sweden. *Extended Abstract*.
- Carril A.F., N. López de la Franca Arema, C. G. Menéndez and E. Sánchez, 2013: Changes in 21st century scenarios for temperature extreme indices over South America derived from an ensemble of regional climate models. International Conference on Regional Climate - CORDEX 2013. *Abstract* in workshop proceedings page 286; Poster Po-P3-12. 4-7 November, Brussels, Belgium. <http://cordex2013.wcrp-climate.org/>
- Sánchez E., V. Gil, C. Tejeda, C. Gallardo, A. F. Carril, S.-C. Chou, L. Li, J. Marengo, C. Menéndez, A. R. Remedio, R. P. da Rocha, P. Samuelsson and S. Solman, 2013: Regional climate change description for the XXIst century using the Köppen-Trewartha classification from an ensemble of RCM simulations over South America. International Conference on Regional Climate - CORDEX 2013. *Abstract* in workshop proceedings, page 330; Poster Po-P3-P59. 4-7 November, Brussels, Belgium. <http://cordex2013.wcrp-climate.org/> .
- Remedio A.R.R., A.F. Carril, D. Jacob, C. Menendez, S. Pfeifer, I. Cavalcanti, S. Solman, R. da Rocha, C. Mourao, P. Samuelsson, E. Sanchez, L. Li, H. Berbery, J. Marengo, 2013: Daily precipitation analysis over hydrological basins and climate regions within the CORDEX South America domain. Meeting of the Americas (AGU), *Abstract* #A34A-05, 14–17 May, Cancun, Mexico.
- Cherchi A., L. Zamboni and A. F. Carril, 2012: CLARIS-LPB conclusive efforts: CMCC contribution to study temperature extremes in South America. CMCC Annual Meeting, “Earth System Modelling” section, Otranto, Italy.
- Zaninelli P., E. Sánchez, A. F. Carril, C. G. Menéndez and M. Domínguez, 2012: Changes in the extreme events of precipitation and their feedbacks with temperature over South America. CLIVAR/VAMOS Workshop on Modeling and Predicting Climate in the Americas, WCRP. 4-6 June, Petropolis, Brazil.
- Sanchez E., P. Zaninelli, A. F. Carril, C. Menéndez and M. Dominguez, 2012: Analysis of extreme climatic features over South America from CLARIS-LPB ensemble of regional climate models for future conditions. *Geophysical Research Abstracts*, Vol. 14, EGU2012-13445.
- Sanchez E., S. Solman, H. Berbery, P. Samuelsson, G. Nikulin, A. Reza Remedio, S.C. Chou. R. P. da Rocha, L. Li, R. García-Ochoa, J. Marengo, N. Pessacq, C. Menéndez and A. F. Carril, 2011: A first look at an ensemble of XXIst Century RCM simulations over South America. WCRP Open Science Conference, Climate Research in Service to Society, 24-28 October, Denver, CO, USA.
- Menéndez C., A. Carril, A. Sörensson, R. Ruscica, P. Zaninelli, 2011: On the simulation of regional climate in South America with emphasis on extremes and surface processes, 2nd Meeting of IFAECI (UMI 3351), Museo Argentino de Ciencias Naturales, Buenos Aires, 25-27 April (Presentation available on-line).
- Cherchi A., A. F. Carril and L. Zamboni, 2011: LPB hydro-climate variability at interannual and interdecadal timescales as simulated by GCM experiments. CMCC Annual Meeting, Otranto, Italy.
- Zamboni L., A. Cherchi and A. F. Carril, 2010: Heat wave over South America: spatial patterns and their relationship with the large scale circulation. *Eos Trans. AGU*, 91(26), Meet. Am. Suppl., *Abstract* GC34A-06. August 8-13, Foz do Iguassu, Brazil.
- Alessandri A., A. F. Carril, A. Cherchi, P. Di Pietro, S. Gualdi, S. Masina, A. Navarra, E. Scoccimarro and A. Troccoli, 2008: Seasonal predictions at INGV-CMCC: sensitivity to the improvement in ocean initial conditions. European Geosciences Union (EGU) General Assembly, April 13-18, Vienna, Austria.

- Alessandri, A. F. Carril, P. Dipietro, S. Gualdi, S. Masina, A. Cherchi and A. Navarra, 2007: L'attività di previsione climatica su scala stagionale presso l'INGV-CMCC. Convegno Nazionale di Fisica della Terra Fluida e problematiche affini, June 11-15, Ischia, Italy.
- Alessandri A., A. F. Carril, P. Di Pietro, S. Gualdi, S. Masina and A. Navarra, 2007: Seasonal predictions at INGV-CMCC: sensitivity to improvements in ocean initial conditions, Seasonal to Decadal (S2D) ENSEMBLES meeting, June, 7-8, Barcelona, Spain.
- Carril A. F. and S. Gualdi, 2006: Towards a scale interaction approach to study the potential predictability of extreme events over Europe. European Geosciences Union General Assembly, April 2-6, Vienna, Austria.
- Carril A. F. and C. G. Menéndez, 2005: Surface climate response associated with SAM changes. Workshop on Analyses of Climate Model Simulations for the IPCC AR4, March 1-4, University of Hawaii, Honolulu, Hawaii.
- Masina S., A. F. Carril, D. Iovino and P. Di Pietro, 2002: Decadal climate variability in the north Atlantic detected in an ocean analysis and a coupled model. AGU Fall meeting, December 6-10, San Francisco, California, USA.
- Carril A. F. and A. Navarra, 2001: ACW-like variability over the Southern Ocean. IAPSO-IABO, Joint Assemblies of the International Association for the Physical Sciences of the Oceans and International Association for Biological Oceanography, October 21-26, Mar del Plata, Argentina.
- Vera C. A., A. F. Carril and A. Navarra, 2001: Low-frequency variations of the Southern Hemisphere Storm- Tracks as detected from a coupled GCM. In IAMAS, International Association of Meteorology and Atmospheric Sciences, Innsbruck, Austria.
- Carril A. F., C. G. Menéndez, M. N. Nuñez and H. Le Treut, 2000: Simulation of the transient atmospheric eddies in the southern extratropics. In Sixth International Conference on Southern Hemisphere Meteorology and Oceanography, AMS, Santiago, Chile.
- Menéndez C. G., A. F. Carril, M. N. Nuñez, V. Serafini, L. Z. X. Li and H. Le Treut, 2000: Simulations of the Southern Hemisphere climate using a variable resolution stretched grid atmospheric GCM. In Sixth International Conference on Southern Hemisphere Meteorology and Oceanography, AMS, Santiago, Chile.
- Carril A. F. and A. Navarra, 2000: Simulations of the interannual leading modes of the southern extratropical circulation. In XXV General Assembly, European Geophysical Society, Nice, France.
- Li L. Z. X. and A. F. Carril, 1999: Transient properties of atmospheric circulation in two reanalysis datasets. In 2nd International Conference on Reanalyses, Reading, UK.
- Carril A. F., M. N. Nuñez and L. Z. X. Li, 1998: La respuesta de la circulación atmosférica en el Hemisferio Sur ante cambios prescritos en la temperatura de la superficie del mar extratropical (Southern Hemisphere atmospheric response to prescribed changes in the extratropical sea surface temperatures; In spanish). In X Brazilian Conference on Meteorology, VIII Latin American and Iberian Conference on Meteorology, Brasilia, Brazil.
- Carril A. F., C. G. Menéndez and M. N. Nuñez, 1997: Climate change scenarios over the south american region: An intercomparison of coupled general atmosphere-ocean circulation models. In Fifth International Conference on Southern Hemisphere Meteorology and Oceanography, AMS, Pretoria, South Africa.
- Menéndez C. G., A. F. Carril and M. N. Nuñez, 1997: Southern Hemisphere climate simulations using the general circulation model LMD/CIMA. In Fifth International Conference on Southern Hemisphere Meteorology and Oceanography, AMS, Pretoria, South Africa.
- Menéndez C.G., Carril, A. F. and M. N. Nuñez, 1997: Simulaciones de la climatología austral con el modelo de circulación general LMD/CIMA (Southern Hemisphere climate simulations using the general circulation model LMD/CIMA; In spanish). In VII Argentinean Conference on Meteorology, VII Latin American and Iberian Conference on Meteorology, Buenos Aires, Argentina.
- Carril A. F., C. G. Menéndez and M. N. Nuñez, 1997: Escenarios de cambio climático sobre la región sudamericana: una comparación de modelos acoplados de circulación general (Climate change scenarios over the south american region: An intercomparison of coupled general atmosphere-ocean circulation models; In spanish). In VII Argentinean Conference on Meteorology, VII Latin American and Iberian Conference on Meteorology, Buenos Aires, Argentina.

Carril A. F., M. E. Doyle, V. R. Barros and M. N. Nuñez, 1996: Sobre la variabilidad de los caudales de los ríos cuyanos (On the variability of the Cuyo's river flows; In spanish). In VII Argentinean Conference on Meteorology, VII Latin American and Iberian Conference on Meteorology, Buenos Aires, Argentina.

LANGUAGES

- Spanish (native language)
- Italian
- English

COMPUTER SKILLS

- Competent in operative systems Unix, Linux and Windows.
- Programming Languages: Matlab, GrADS, Fortan, C++, K-shell, C-shell, nco, cdo.
- Competent with several softs.