

Claudio Guillermo MENÉNDEZ
menendez@cima.fcen.uba.ar

Claudio G. Menéndez es Doctor en Ciencias de la Atmósfera (UBA). Realizó un postdoctorado y estancias científicas en el Laboratoire de Météorologie Dynamique (Paris). Fue profesor invitado en Francia y España. Sus temas de interés científico incluyen interacción superficie-atmósfera y variabilidad y cambio climático en Sudamérica. Participó en comités científicos internacionales y en dos informes de evaluación del Panel Intergubernamental sobre Cambio Climático (IPCC) como autor principal y autor contribuyente.

CARGOS ACTUALES

Profesor Asociado DE, Departamento de Ciencias de la Atmósfera y los Océanos, FCEN, UBA

Investigador Independiente CONICET, Centro de Investigaciones del Mar y la Atmósfera

PUBLICACIONES EN REVISTAS (últimos 10 años)

Falco M., Carril A.F., Li L.Z.X., Cabrelli C., **Menéndez C.G.**, 2020: The potential added value of Regional Climate Models in South America using a multiresolution approach. *Climate Dynamics*, 54(3-4), pp. 1553-1569, doi 10.1007/s00382-019-05073-9

Giles J.A., Ruscica R.C., **Menéndez C.G.**, 2020: The diurnal cycle of precipitation over South America represented by five gridded datasets. *Int J Climatol*. 40(2), pp. 668-686, <https://doi.org/10.1002/joc.6229>

Falco, M., Li, L.Z.X., **Menéndez, C.G.**, Carril A.F., 2019: The influence of South American regional climate on the simulation of the Southern Hemisphere extratropical circulation. *Climate Dynamics*, 53(9-10), pp. 6469-6488, <https://doi.org/10.1007/s00382-019-04940-9>

Menéndez C.G., J. Giles, R. Ruscica, P. Zaninelli, T. Coronato, M. Falco, A. Sörensson, L. Fita, A. Carril, L. Li, 2019: Temperature variability and soil-atmosphere interaction in South America simulated by two regional climate models. *Climate Dynamics*, 53, pp 2919–2930, <https://doi.org/10.1007/s00382-019-04668-6>

Falco M., A.F. Carril, **C.G. Menéndez**, P.G. Zaninelli, L.Z.X. Li, 2019: Assessment of CORDEX simulations over South America: added value on seasonal climatology and resolution considerations. *Climate Dynamics*, 52, pp 4771–4786, <https://doi.org/10.1007/s00382-018-4412-z>

Zaninelli P., **C.G. Menéndez**, M. Falco, N. López-Franca, A.F. Carril, 2019: Future hydroclimatological changes in South America based on an ensemble of regional climate models. *Climate Dynamics*, 52, pp 819–830, <https://doi.org/10.1007/s00382-018-4225-0>

- López-Franca N., Zaninelli P., Carril A., **Menéndez C.**, Sánchez E., 2016: Changes in temperature extremes for 21st century scenarios over South America derived from a multi-model ensemble of regional climate models. *Climate Research*, 68(2-3), pp. 151-167, doi 10.3354/cr01393
- Menéndez C.**, Zaninelli P., Carril A., Sánchez E., 2016: Hydrological cycle, temperature and land surface-atmosphere interaction in La Plata Basin during summer: response to climate change, *Climate Research*, 68(2-3), pp. 231-241, doi 10.3354/cr01373
- 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. Pessacg, M. Renom, R. Ruscica, S. Solman, B. Tencer, A. Grimm, M. Rusticucci, A. Cherchi, R. Tedeschi, L. Zamboni, 2016: Extreme events in La Plata basin: A retrospective analysis of what we have learned during CLARIS-LPB project. *Climate Research*, 68(2-3), pp. 95-116, doi 10.3354/cr01374
- Ruscica, R.C., **C.G. Menéndez**, A.A. Sörensson, 2016: Land surface–atmosphere interaction in future South American climate using a multi-model ensemble. *Atmospheric Science Letters*, 17(2), pp. 141-147, doi 10.1002/asl.635
- Cavalcanti I.F.A., A. F. Carril, O.C. Penalba, A.M. Grimm, **C. G. Menéndez**, E. Sanchez, F. Robledo, J. Rivera, L.M. Bettolli, V. Pántano, P. Zaninelli, A. Sörensson, A. Cherchi, L. Zamboni, R.G. Tedeschi, M. Dominguez, R. Ruscica, R. Flach, 2015: Precipitation extremes over La Plata Basin – Review and new results from observations and climate simulations. *Journal of Hydrology*, 523, 211-230, doi:10.1016/j.jhydrol.2015.01.028
- Ruscica, R.C., Sörensson, A.A., **Menéndez, C.G.**, 2015: Pathways between soil moisture and precipitation in southeastern South America. *Atmospheric Science Letters*, 16, 267–272, doi: 10.1002/asl2.552
- Zaninelli P., **C. Menéndez**, A. Carril, 2015: Explorando temperaturas máximas y mínimas en diferentes reanálisis. Parte 2: Variabilidad en diferentes escalas temporales. *Meteorologica*, Vol 40, Nro.1, 59 – 76
- Zaninelli P., A. Carril, **C. Menéndez**, 2015: Explorando temperaturas máximas y mínimas en diferentes reanálisis. Parte 1: Campos medios estacionales. *Meteorologica*, Vol 40, Nro.1, 43 – 58
- Ruscica, R.C., Sörensson, A.A., **Menéndez, C.G.**, 2014: Hydrological links in Southeastern South America: Soil moisture memory and coupling within a hot spot. *International Journal of Climatology*, 34(14), pp. 3641-3653, doi: 10.1002/joc.3930
- Cherchi A., A.F. Carril, **C.G. Menéndez**, and L. Zamboni, 2014: La Plata Basin precipitation variability in spring: Role of remote SST forcing as simulated by GCM experiments. *Climate Dynamics*, 42 (1-2), 219-236, 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: Performance of a multi-RCM ensemble for South Eastern South America. *Climate Dynamics*, 39, 2747–2768, doi 10.1007/s00382-012-1573-z

Montroull N., R. Saurral, I. Camilloni, A. Sörensson, **C. Menéndez** y R. Ruscica, 2012: Escenarios hidrológicos futuros en la región de los Esteros del Iberá en el contexto del cambio climático. *Meteorologica*, vol.38, n.1, pp. 3-19. ISSN 1850-468X

Alexander P., R. Ruscica, A.A. Sörensson, **C.G. Menéndez**, 2011: Gravity wave momentum flux generation close to mid-latitude Andes in mesoscale simulations of late 20th and 21st centuries. *Advances in Space Research*, 48 (8), 1359-1370, doi 10.1016/j.asr.2011.06.020

Sörensson, A.A. and **C.G. Menéndez**, 2011: Summer soil-precipitation coupling in South America. *Tellus* 63A, 56–68

Cavalcanti I. F.A., A. F. Carril, M. Barreiro, M.L. Bettolli, A. Cherchi, A. Grimm, R. Tedeschi, D. Jacob, **C.G. Menéndez**, O. Penalba, N. Pessacg, S. Pfeifer, A.R. Remedio, M. Renom, J. Rivera, F.A. Robledo, R. Ruscica, S. Solman, A. Sörensson, B. Tencer, P. Zaninelli, 2011: CLARIS LPB WP6: Processes and Future Evolution of Extreme Climate Events in La Plata Basin. *CLIVAR Exchanges*, 57, 22-24

Menéndez C.G., M. de Castro, A.A. Sörensson, J.-P. Boulanger, 2010: CLARIS Project: towards climate downscaling in South America. *Meteorologische Zeitschrift*, 19 (4), 357-362

Sörensson A.A., **C.G. Menéndez**, R. Ruscica, P. Alexander, P. Samuelsson and U. Willén, 2010: Projected precipitation changes in South America: a dynamical downscaling within CLARIS. *Meteorologische Zeitschrift*, 19 (4), 347-355

Menéndez C.G., 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, 359-377, DOI 10.1007/s10584-009-9735-7

Boulanger J.-P., G. Brasseur, A. Carril, M. Castro, N. Degallier, C. Ereño, J. Marengo, H. Le Treut, **C. Menéndez**, M. Nuñez, O. Penalba, A. Rolla, M. Rusticucci, R. Terra, 2010: The European CLARIS Project: A Europe-South America Network for Climate Change Assessment and Impact Studies. *Climatic Change*, 98, 307-329, DOI 10.1007/s10584-009-9734-8

Sörensson A.A., **C.G. Menéndez**, P. Samuelsson, U. Willén, U. Hansson, 2010: Soil-precipitation feedbacks during the South American Monsoon as simulated by a regional climate model. *Climatic Change*, 98, 429-447, DOI 10.1007/s10584-009-9740-x

Menéndez C.G., M. de Castro, J.-P. Boulanger, A. D'Onofrio, E. Sanchez, A.A. Sörensson, J. Blazquez, A. Elizalde, D. Jacob, H. Le Treut, Z.X. Li, M.N. Núñez, S. Pfeiffer, N. Pessacg, A. Rolla, M. Rojas, P. Samuelsson, S.A. Solman, C. Teichmann, 2010: Downscaling extreme month-long anomalies in southern South America. *Climatic Change*, 98, 379-403, DOI 10.1007/s10584-009-9739-3

CAPITULOS DE INFORMES FINALES DEL IPCC

Christensen, J.H., et al. (**C.G Menéndez** as “Contributing Author”), 2013: Climate Phenomena and their Relevance for Future Regional Climate Change. In: Climate Change 2013: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Stocker, T.F., D. Qin, G.-K. Plattner, M. Tignor, S.K. Allen, J. Boschung, A. Nauels, Y. Xia, V. Bex and P.M. Midgley (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, 1217-1308.

Christensen, J.H., B. Hewitson, A. Busuioc, A. Chen, X. Gao, I. Held, R. Jones, R.K. Kolli, W.-T. Kwon, R. Laprise, V.M. Rueda, L. Mearns, **C.G. Menéndez**, J. Räisänen, A. Rinke, A. Sarr and P. Whetton, 2007: Regional Climate Projections. In: Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change [Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, 847-940.

DIRECCION DE TESIS DOCTORALES YA FINALIZADAS (FCEN, UBA)

Anna Sörensson, 2010

Romina Ruscica, 2015, Directora Asistente: Anna Sörensson

Pablo Zaninelli, 2015, Directora Adicional: Andrea Carril