[PAPERS & REPORTS](https://zbib.org/5f0426adb19c4dcb89ff5fa3db338886)

Galmarini S, Solazzo E, Ferrise R, Srivastava AK, Ahmed M, Asseng S, Cannon AJ, Dentener F, De Sanctis G, Gaiser T, Gao Y, Gayler S, Gutierrez JM, Hoogenboom G, Iturbide M, Jury M, Lange S, Loukos H, Maraun D, Moriondo M, McGinnis S, Nendel C, Padovan G, Riccio A, Ripoche D, Stockle CO, Supit I, Thao S, Trombi G, Vrac M, Weber TKD, Zhao C (2024) Assessing the impact on crop modelling of multi- and uni-variate climate model bias adjustments. *Agricultural Systems*, 215:103846. <https://doi.org/10.1016/j.agsy.2023.103846>

Rhoades AM, Zarzycki CM, Inda-Diaz HA, Ombadi M, Pasquier U, Srivastava A, Hatchett BJ, Dennis E, Heggli A, McCrary R, McGinnis S, Rahimi-Esfarjani S, Slinskey E, Ullrich PA, Wehner M, Jones AD (2023) Recreating the California New Year’s flood event of 1997 in a regionally refined earth system model. *Journal of Advances in Modeling Earth Systems*, 15(10):e2023MS003793. <https://doi.org/10.1029/2023MS003793>

McGinnis S, Kessenich L, Mearns L, Cullen A, Podschwit H, Bukovsky M (2023) Future regional increases in simultaneous large Western USA wildfires. *International Journal of Wildland Fire*, <https://doi.org/10.1071/WF22107>

[Press release: <https://news.ucar.edu/132914/simultaneous-large-wildfires-will-increase-western-us>]

Sakaguchi, K., Leung, L. R., Zarzycki, C. M., Jang, J., McGinnis, S., Harrop, B. E., Skamarock, W. C., Gettelman, A., Zhao, C., Gutowski, W. J., Leak, S., & Mearns, L. (2023). Technical descriptions of the experimental dynamical downscaling simulations over North America by the CAM–MPAS variable-resolution model. *Geoscientific Model Development*, *16*(10), 3029–3081. <https://doi.org/10.5194/gmd-16-3029-2023>

Cullen, A. C., Prichard, S. J., Abatzoglou, J. T., Dolk, A., Kessenich, L., Bloem, S., Bukovsky, M. S., Humphrey, R., McGinnis, S., Skinner, H., & Mearns, L. O. (2023). Growing convergence research: Coproducing climate projections to inform proactive decisions for managing simultaneous wildfire risk. *Risk Analysis*, risa.14113. <https://doi.org/10.1111/risa.14113>

Reed, K. A., Goldenson, N., Grotjahn, R., Gutowski, W. J., Jagannathan, K., Jones, A. D., Leung, L. R., McGinnis, S. A., Pryor, S. C., Srivastava, A. K., Ullrich, P. A., & Zarzycki, C. M. (2022). Metrics as tools for bridging climate science and applications. *WIREs Climate Change*, *13*(6). <https://doi.org/10.1002/wcc.799>

Diez-Sierra, J., Iturbide, M., Gutiérrez, J. M., Fernández, J., Milovac, J., Cofiño, A. S., Cimadevilla, E., Nikulin, G., Levavasseur, G., Kjellström, E., Bülow, K., Horányi, A., Brookshaw, A., García-Díez, M., Pérez, A., Baño-Medina, J., Ahrens, B., Alias, A., Ashfaq, M., … Zittis, G. (2022). The worldwide C3S CORDEX grand ensemble: A major contribution to assess regional climate change in the IPCC AR6 Atlas. *Bulletin of the American Meteorological Society*, *103*(12), E2804–E2826. <https://doi.org/10.1175/BAMS-D-22-0111.1>

Lloyd, E., Lusk, G., Gluck, S., & McGinnis, S. (2022). Varieties of data-centric science: Regional climate modeling and model organism research. *Philosophy of Science*, *89*(4), 802–823. <https://doi.org/10.1017/psa.2021.50>

McClure, M. L., Hranac, C. R., Haase, C. G., McGinnis, S., Dickson, B. G., Hayman, D. T. S., McGuire, L. P., Lausen, C. L., Plowright, R. K., Fuller, N., & Olson, S. H. (2022). Projecting the compound effects of climate change and white-nose syndrome on North American bat species. *Climate Change Ecology*, *3*, 100047. <https://doi.org/10.1016/j.ecochg.2021.100047>

McGinnis, S., & Mearns, L. (2021). Building a climate service for North America based on the NA-CORDEX data archive. *Climate Services*, *22*, 100233. <https://doi.org/10.1016/j.cliser.2021.100233>

Cook, L. M., McGinnis, S., & Samaras, C. (2020). The effect of modeling choices on updating intensity-duration-frequency curves and stormwater infrastructure designs for climate change. *Climatic Change*, *159*(2), 289–308. <https://doi.org/10.1007/s10584-019-02649-6>

Galmarini, S., Cannon, A. J., Ceglar, A., Christensen, O. B., de Noblet-Ducoudré, N., Dentener, F., Doblas-Reyes, F. J., Dosio, A., Gutierrez, J. M., Iturbide, M., Jury, M., Lange, S., Loukos, H., Maiorano, A., Maraun, D., McGinnis, S., Nikulin, G., Riccio, A., Sanchez, E., … Zampieri, M. (2019). Adjusting climate model bias for agricultural impact assessment: How to cut the mustard. *Climate Services*, *13*, 65–69. <https://doi.org/10.1016/j.cliser.2019.01.004>

Oleson, K. W., Anderson, G. B., Jones, B., McGinnis, S. A., & Sanderson, B. (2018). Avoided climate impacts of urban and rural heat and cold waves over the US using large climate model ensembles for RCP8.5 and RCP4.5. *Climatic Change*, *146*(3–4), 377–392. <https://doi.org/10.1007/s10584-015-1504-1>

McCrary, R. R., McGinnis, S., & Mearns, L. O. (2017). Evaluation of snow water equivalent in NARCCAP simulations, including measures of observational uncertainty. *Journal of Hydrometeorology*, *18*(9), 2425–2452. <https://doi.org/10.1175/JHM-D-16-0264.1>

Tingstad, A. H., Lempert, R. J., Moskwik, M., Warren, D. L., Parmesan, C., Mearns, L. O., McGinnis, S., & Ryu, Y. (2017). Demonstrating the applicability of a Robust Decision Making (RDM) to conservation decision-making under uncertain future climate: Pilot study using the Northern Pygmy Salamander (Desmognathus organi). *Journal of Conservation Planning*, *13*, 11–24. <https://www.rand.org/pubs/external_publications/EP67332.html>

Tiampo, K. F., McGinnis, S., Kropivnitskaya, Y., Qin, J., & Bauer, M. A. (2018). Big data challenges and hazards modeling. In *Risk Modeling for Hazards and Disasters* (pp. 193–210). Elsevier. <https://doi.org/10.1016/B978-0-12-804071-3.00008-2>

French, J. P., McGinnis, S., & Schwartzman, A. (2017). Assessing NARCCAP climate model effects using spatial confidence regions. *Advances in Statistical Climatology, Meteorology and Oceanography*, *3*(2), 67–92. <https://doi.org/10.5194/ascmo-3-67-2017>

Gilleland, E., Bukovsky, M., Williams, C. L., McGinnis, S., Ammann, C. M., Brown, B. G., & Mearns, L. O. (2016). Evaluating NARCCAP model performance for frequencies of severe-storm environments. *Advances in Statistical Climatology, Meteorology and Oceanography*, *2*(2), 137–153. <https://doi.org/10.5194/ascmo-2-137-2016>

Lenssen, N., Nychka, D., Hammerling, D., & McGinnis, S. (2016). *A tutorial for using “Rmpi” on the NCAR/Wyoming supercomputer* (p. 624 KB). UCAR/NCAR. <https://doi.org/10.5065/D6X63K5S>

Moss, R. H., Mearns, L. O., Brandenberger, J., Delgado, A., Malone, E. L., Rice, J., Wang, T., Yang, Z., Bukovsky, M., McCrary, R., McGinnis, S., Blohm, A., Broomell, S., & Henriques, J. J. (2016). *Understanding data needs for vulnerability assessment and decision making to manage vulnerability of DoD installations to climate change* (SERDP Project RC-2206). <https://apps.dtic.mil/sti/tr/pdf/AD1025344.pdf>

Johnson, T., Butcher, J., Deb, D., Faizullabhoy, M., Hummel, P., Kittle, J., McGinnis, S., Mearns, L. O., Nover, D., Parker, A., Sarkar, S., Srinivasan, R., Tuppad, P., Warren, M., Weaver, C., & Witt, J. (2015). Modeling streamflow and water quality sensitivity to climate change and urban development in 20 US watersheds. *JAWRA Journal of the American Water Resources Association*, *51*(5), 1321–1341. <https://doi.org/10.1111/1752-1688.12308>

Jones, B., O’Neill, B. C., McDaniel, L., McGinnis, S., Mearns, L. O., & Tebaldi, C. (2015). Future population exposure to US heat extremes. *Nature Climate Change*, *5*(7), 652–655. <https://doi.org/10.1038/nclimate2631>

Loikith, P. C., Waliser, D. E., Lee, H., Neelin, J. D., Lintner, B. R., McGinnis, S., Mearns, L. O., & Kim, J. (2015). Evaluation of large-scale meteorological patterns associated with temperature extremes in the NARCCAP regional climate model simulations. *Climate Dynamics*, *45*(11), 3257–3274. <https://doi.org/10.1007/s00382-015-2537-x>

Loikith, P. C., Waliser, D. E., Lee, H., Kim, J., Neelin, J. D., Lintner, B. R., McGinnis, S., Mattmann, C. A., & Mearns, L. O. (2015). Surface temperature probability distributions in the NARCCAP hindcast experiment: Evaluation methodology, metrics, and results. *Journal of Climate*, *28*(3), 978–997. <https://doi.org/10.1175/JCLI-D-13-00457.1>

McGinnis, S., Nychka, D., & Mearns, L. O. (2015). A new distribution mapping technique for climate model bias correction. In V. Lakshmanan, E. Gilleland, A. McGovern, & M. Tingley (Eds.), *Machine Learning and Data Mining Approaches to Climate Science* (pp. 91–99). Springer International Publishing. <https://doi.org/10.1007/978-3-319-17220-0_9>

Mearns, L. O., Lettenmaier, D. P., & McGinnis, S. (2015). Uses of results of regional climate model experiments for impacts and adaptation studies: The example of NARCCAP. *Current Climate Change Reports*, *1*(1), 1–9. <https://doi.org/10.1007/s40641-015-0004-8>

Lee, H., Kim, J., Waliser, D. E., Loikith, P. C., Mattmann, C. A., & McGinnis, S. (2015). Using joint probability distribution functions to evaluate simulations of precipitation, cloud fraction and insolation in the North America Regional Climate Change Assessment Program (NARCCAP). *Climate Dynamics*, *45*(1), 309–323. <https://doi.org/10.1007/s00382-014-2253-y>

Kim, J., Waliser, D. E., Mattmann, C. A., Mearns, L. O., Goodale, C. E., Hart, A. F., Crichton, D. J., McGinnis, S., Lee, H., Loikith, P. C., & Boustani, M. (2013). Evaluation of the surface climatology over the conterminous United States in the North American Regional Climate Change Assessment Program hindcast experiment using a regional climate model evaluation system. *Journal of Climate*, *26*(15), 5698–5715. <https://doi.org/10.1175/JCLI-D-12-00452.1>

Mearns, L. O., Sain, S., Leung, L. R., Bukovsky, M. S., McGinnis, S., Biner, S., Caya, D., Arritt, R. W., Gutowski, W., Takle, E., Snyder, M., Jones, R. G., Nunes, A. M. B., Tucker, S., Herzmann, D., McDaniel, L., & Sloan, L. (2013). Climate change projections of the North American Regional Climate Change Assessment Program (NARCCAP). *Climatic Change*, *120*(4), 965–975. <https://doi.org/10.1007/s10584-013-0831-3>

Mearns, L. O., Arritt, R., Biner, S., Bukovsky, M. S., McGinnis, S., Sain, S., Caya, D., Correia, J., Flory, D., Gutowski, W., Takle, E. S., Jones, R., Leung, R., Moufouma-Okia, W., McDaniel, L., Nunes, A. M. B., Qian, Y., Roads, J., Sloan, L., & Snyder, M. (2012). The North American Regional Climate Change Assessment Program: Overview of Phase I results. *Bulletin of the American Meteorological Society*, *93*(9), 1337–1362. <https://doi.org/10.1175/BAMS-D-11-00223.1>

Mearns, L. O., Gutowski, W., Jones, R., Leung, R., McGinnis, S., Nunes, A., & Qian, Y. (2009). A regional climate change assessment program for North America. *Eos, Transactions American Geophysical Union*, *90*(36), 311–311. <https://doi.org/10.1029/2009EO360002>

[DATASETS, WEBSITES, & SOFTWARE](https://zbib.org/42790736501d4d0fa58925ccb100b172)

Bonnlander, B., McGinnis, S., Banihirwe, A., Nienhouse, E., & de la Beaujardière, J. (2021). *NA-CORDEX cloud-optimized dataset* (1.0) [Data set]. [https://doi.org/https://doi.org/10.26024/9xkm-fp81](https://doi.org/https%3A//doi.org/10.26024/9xkm-fp81)

Sakaguchi, K., Leung, L.-Y., McGinnis, S., McGinnis, S., Gutowski, W., Mearns, L., & Dong, L. (2020). *FACETS dynamical downscaling simulations over North America by the CAM-MPAS variable-resolution model* [Data set]. [https://doi.org/https://doi.org/10.25584/PNNL.data/1895153](https://doi.org/https%3A//doi.org/10.25584/PNNL.data/1895153)

McGinnis, S. (2019). *Sethmcg/climod v1. 0. 0* (v1.0.0) [R]. Zenodo. <https://doi.org/10.5281/ZENODO.3461259>

Rendfrey, T. S., Bukovsky, M. S., & McGinnis, S. A. (2018). *NA-CORDEX visualization collection* [Data set]. <https://doi.org/10.5065/90ZF-H771>

Mearns, L., McGinnis, S., Korytina, D., Arritt, R., Biner, S., Bukovsky, M., Chang, H.-I., Christensen, O., Herzmann, D., Jiao, Y., Kharin, S., Lazare, M., Nikulin, G., Qian, M., Scinocca, J., Winger, K., Castro, C., Frigon, A., & Gutowski, W. (2017). *The NA-CORDEX dataset* (1.0) [Data set]. [https://doi.org/https://doi.org/10.5065/D6SJ1JCH](https://doi.org/https%3A//doi.org/10.5065/D6SJ1JCH)

McGinnis, S., Mearns, L., & the NA-CORDEX Team. (2015). The NA-CORDEX Website; UCAR/NCAR. <https://na-cordex.org/>

McGinnis, S., Mearns, L., & the NARCCAP Team. (2007). North American Regional Climate Change Assessment Program Website; UCAR/NCAR. <https://www.narccap.ucar.edu/>

Mearns, L., McGinnis, S., Arritt, R., Biner, S., Duffy, P., Gutowski, W., Held, I., Jones, R., Leung, R., Nunes, A., Snyder, M., Caya, D., Correia, J., Flory, D., Herzmann, D., Laprise, R., Moufouma-Okia, W., Takle, G., Teng, H., … Zoellick, C. (2007). *North American Regional Climate Change Assessment Program dataset* [Data set]. https://doi.org/http://dx. doi. org/10.5065/D6RN35ST

PRESENTATIONS & POSTERS

McGinnis, Seth, and Rachel McCrary. “Not Where We Expected to Go: Journeys of Discovery Led by Linda Mearns.” Mearns Symposium, Boulder CO, 5 April 2024 (Talk)

McGinnis, Seth, Melissa Bukovsky, Rachel McCrary, and Linda Mearns. “A Process-Informed Credibility Analysis of Different Precipitation Downscaling Methods in the Southern Great Plains.” AGU Fall Meeting, San Francisco CA, 11 December 2023 (Talk)

McGinnis, Seth, Lee Kessenich, Linda Mearns, Melissa Bukovsky, and Alison Cullen. “Projected changes in inter-regional simultaneity of megafires in the Western US based on NA-CORDEX regional climate simulations.”  2023 Wildfire Risk Management Science Weekly Series, Rocky Mountain Research Station, US Forest Service. Virtual, 27 July 2023. (Talk)

McGinnis, Seth, Lee Kessenich, Linda Mearns, Melissa Bukovsky, and Alison Cullen. “Projected changes in inter-regional simultaneity of megafires in the Western US based on NA-CORDEX regional climate simulations.” AMS Annual Meeting, Denver CO, 12 January 2023. (Talk)

McGinnis, Seth, Lee Kessenich, Linda Mearns, Melissa Bukovsky, and Alison Cullen. “Projected changes in inter-regional simultaneity of megafires in the Western US based on NA-CORDEX regional climate simulations.” AGU Fall Meeting, Chicago IL, 16 December 2022. (Poster)

McGinnis, Seth. “Climate Change and Simultaneous Megafires in the Western US.” CGD Seminar, Boulder CO, 1 March 2022. (Talk) <https://www.youtube.com/watch?v=tt9HnbMjv9o>

McGinnis, Seth, Lee Kessenich, Harry Podschwit, Linda Mearns, Melissa Bukovsky, and Alison Cullen. “Multimodel Uncertainty in Projected Changes of Simultaneous Megafires in the Great Basin Based on NA-CORDEX Regional Climate Simulations.” AGU Fall Meeting, New Orleans LA, 16 December 2021 (Talk)

McGinnis, Seth, Daniel Korytina, Melissa Bukovsky, Rachel McCrary, and Linda Mearns. “Credibility Evaluation of a Convolutional Neural Net for Downscaling GCM Output over the Southern Great Plains.” AGU Fall Meeting, New Orleans LA, 16 December 2021. (Talk)

McGinnis, Seth, and Linda Mearns. “Why Climate Data Is Big.” Philosophy of Science Association

27th Biennial Meeting, Baltimore MD, 12 Nov 2021. (Talk)

McGinnis, Seth, Lisa Lloyd, Greg Lusk, and Stuart Gluck. “Implications of the Data-Centric Nature of Climate Science for AI & ML.” 2021 ESIP Summer Meeting, Online, 21 July 2021. (Poster)

McGinnis, Seth. “Parallel Analysis Using Pangeo vs the Command-Line.” Pangeo Showcase, Boulder CO, 7 April 2021. (Talk) [<https://doi.org/10.5281/zenodo.4670458>]

McGinnis, Seth. “Trans-Disciplinary Insights for Climate Science Modeling and Big Data.” SEA's Improving Scientific Software Conference, Boulder CO, 23 March 2021. (Talk)

McGinnis, Seth. “Parallel Analysis Using Pangeo vs the Command-Line.” CISL WIP, Boulder CO, 3 March 2021. (Talk)

McGinnis, Seth, Harry Podschwit, Alison Kessenich, Linda Mearns, and Alison Cullen. “Projected Effects of Climate Change on Simultaneous North American Megafires Based on NA-CORDEX Regional Climate Simulations.” AGU Fall Meeting, Online, 14 Dec 2020. (Talk)

McGinnis, Seth A., Melissa S. Bukovsky, Rachel Rose McCrary, and Linda Mearns. "Effects of Observational Dataset Choice on Multivariate Bias Correction." AGU Fall Meeting, San Francisco CA, 13 Dec 2019. (Poster)

McGinnis, Seth. “Very Large Wildfires, Climate Change, and Simultaneity.” CISL WIP, Boulder CO, 12 November 2019. (Talk)

McGinnis, Seth, Melissa Bukovsky, Rachel McCrary, and Linda Mearns. “Comparison of Univariate and Multivariate Bias-Correction of Daily NA-CORDEX Data.” AGU Fall Meeting, Washington DC, 11 Dec 2018. (Talk)

McGinnis, Seth. “Bursts and Cascades: Scaling Up Scientific Data Analysis.” SEA Software Engineering Conference and Tutorials, Boulder CO, 11 April 2018. (Talk)

McGinnis, Seth, Melissa Bukovsky, and Linda Mearns. “From Descriptive to Explanatory: Using Metrics to Identify Candidate Phenomena for Process Evaluation in NA-CORDEX and NARCCAP.” AGU Fall Meeting, New Orleans LA, 12 December 2017. (Talk)

McGinnis, Seth. “Bias-correcting NA-CORDEX data using Kernel Density Distribution Mapping.” EU Joint Research Center workshop on bias correction of climate variables and the impact on crop forecasting models, Ispra, Italy, 23 May 2017. (Talk)

McGinnis, Seth. “Bias-Correcting NA-CORDEX: A Case Study in Parallelizing Data Analysis.” SEA Seminar, Boulder CO, 29 June 2017. (Invited talk)

McGinnis, Seth. “How to Correct RCM Precipitation Bias.” CISL WIP, Boulder CO, 2 February 2017. (Talk)

McGinnis, Seth and Linda Mearns. “Bias-Correction of Extreme Temperatures and Precipitation in NA-CORDEX Regional Climate Model Output.” AGU Fall Meeting, San Francisco CA, 16 December 2016. (Poster)

McGinnis, Seth. “Big Data: The View from Climate Science.” Dynamical Core Model Intercomparison Project Workshop, Boulder CO, 15 June 2016. (Invited talk)

McGinnis, Seth. “Tutorial: The NARCCAP Regional Climate Model Dataset.” NCAR SEA Conference, Boulder CO, 7 April 2016. (Talk)

McGinnis, Seth. “What Climate Science Knows About Big Data.” NCAR SEA Conference, Boulder CO, 4 April 2016. (Talk)

McGinnis, Seth. “Big Data Lessons from the Climate Science Community.” STScI Engineering & Technology Colloquium, Space Telescope Science Institute, Johns Hopkins University, Baltimore MD, 14 January 2016. (Invited talk)

McGinnis, Seth. "Evaluation of Statistical Downscaling Skill at Reproducing Extreme Events." AGU Fall Meeting, San Francisco CA, 16 December 2015. (Talk)

McGinnis, Seth, Steve Sain, and Linda O. Mearns, “Joint Bias Correction of Multiple Climate Model Outputs for Impacts.” AGU Fall Meeting, San Francisco CA, 9 December 2014. (Poster)

McGinnis, Seth, Doug Nychka, and Linda Mearns, “A New Distribution Mapping Technique for Climate Model Bias Correction.” NOAA MAPP Virtual Workshop on Bias Correction, 30 September 2014. (Talk)

Strand, Warren Jr., Seth McGinnis, and Eric Nienhouse, “Publishing Big Data: Recent Experiences and Future Directions.” CrossConnects Workshop on Improving Data Mobility & Management for International Climate Science, NOAA, Boulder CO, 15 July 2014. (Invited talk)

McGinnis, Seth, DW Nychka, LO Mearns, “Bias correction of NARCCAP daily regional climate model output using distribution mapping.” AGU Fall Meeting, San Francisco CA, December 2013. (Poster)

McGinnis, Seth, “Distilling regional climate model data from NARCCAP for use in impacts analysis.” SIAM Annual Meeting in San Deigo, July 2013; Next Generation Climate Data Products Workshop at NCAR, July 2013; and at CAS2K13 in Annecy, France, September 2013. (Invited talks)

McGinnis, Seth, “Regional Variability of Seasonal Climate Change in NARCCAP.” AMS Annual Meeting, Austin TX, 7 January 2013. (Poster)

McGinnis, Seth, Linda O. Mearns, Doug Nychka, and Joshua Thompson, "Regional Characteristics of Statistically Bias-Corrected NARCCAP Data." AGU Fall Meeting, San Francisco CA, 03 December 2012. (Poster)

McGinnis, Seth; Joshua Thompson, Doug Nychka, and Linda O. Mearns, "Elevation Correction and Interpolation Bias in Regional Climate Data Analysis." AGU Fall Meeting, San Francisco CA, 06 December 2011. (Poster)

McGinnis, Seth, and Toni Rosati, "NARCCAP and NetCDF: an Overview." 2012 Unidata Users Workshop, Boulder CO, 11 July 2012. (Invited talk)

McGinnis, Seth, Linda O. Mearns, and Larry McDaniel, "Effects of Spatial Interpolation Algorithm Choice on Regional Climate Model Data Analysis." AGU Fall Meeting, San Francisco CA, 13-17 December 2010. (Poster)

McGinnis, Seth, Linda O. Mearns, and Larry McDaniel, "Standardization of NARCCAP Data for Automated Processing, Quality Control, and Usability." AGU Fall Meeting, San Francisco CA, 14-18 December 2009. (Poster)

McGinnis, Seth, Linda O. Mearns, and Larry McDaniel, "Lessons and Pitfalls in Archiving Large Datasets: The NARCCAP Experience." 89th Annual AMS Meeting, Phoenix AZ, 15 January 2009. (Poster)

McGinnis, Seth, Linda O. Mearns, and Larry McDaniel, "Big Projects, Diverse Users, and Usable Data: Lessons and Examples from NARCCAP." Regional-Scale Climate IV Posters, AGU Fall Meeting, San Francisco CA, 15-19 December 2008. (Poster)

McGinnis, Seth, Linda O. Mearns, and Larry McDaniel, "NARCCAP: Regional Climate Change Modeling for Impacts and Analysis." 3rd NCAR Community Workshop on GIS in Weather, Climate and Impacts, NCAR, Boulder CO, 27-29 October 2008. (Poster)

McGinnis, Seth, Larry McDaniel, and Linda O. Mearns, "Lessons Learned from NARCCAP on Archiving Data and Meeting User Needs." AGU Fall Meeting, San Francisco CA, 10-14 December 2007. (Poster)

OTHER PUBLICATIONS

de La Beaujardière, Jeff, Brian Bonnlander, Seth McGinnis, Maxwell Grover, Anderson Banihirwe, Kevin Raeder, and Gary Strand, “NCAR Datasets Published in the Cloud.” AGU Fall Meeting, New Orleans LA, 16 December 2021. (Presentation) <https://doi.org/10.1002/essoar.10510535.1>

[NON-CLIMATE PUBLICATIONS](https://zbib.org/111a6148d89a4d3b95dbe668d96408e2)

McGinnis, S. (2001). *On the effects of geometry in discrete element numerical earthquake simulations* [PhD dissertation, University of Colorado at Boulder]. <https://www.proquest.com/openview/05a15425e3f6f52853633f0dc36e0010>

Rundle, J., Preston, E., McGinnis, S., & Klein, W. (1998). Why earthquakes stop: Growth and arrest in stochastic fields. *Physical Review Letters*, *80*(25), 5698–5701. <https://doi.org/10.1103/PhysRevLett.80.5698>

Rundle, P. B., Rundle, J. B., Tiampo, K. F., Sa Martins, J. S., McGinnis, S., & Klein, W. (2001). Nonlinear network dynamics on earthquake fault systems. *Physical Review Letters*, *87*(14), 148501. <https://doi.org/10.1103/PhysRevLett.87.148501>

Tiampo, K. F., Rundle, J. B., Hopper, P., Martins, J. S., Gross, S., & McGinnis, S. (2002). Parallelization of a large-scale computational earthquake simulation program. *Concurrency and Computation: Practice and Experience*, *14*(6–7), 531–550. <https://doi.org/10.1002/cpe.621>

Tiampo, K. F., Rundle, J. B., Klein, W., Ben-Zion, Y., & McGinnis, S. (2004). Using eigenpattern analysis to constrain seasonal signals in Southern California. In A. Donnellan, P. Mora, M. Matsu’ura, & X. Yin (Eds.), *Computational Earthquake Science Part I* (pp. 1991–2003). Birkhäuser. <https://doi.org/10.1007/978-3-0348-7873-9_13>

Tiampo, K. F., Rundle, J. B., McGinnis, S. A., & Klein, W. (2002). Pattern dynamics and forecast methods in seismically active regions. In M. Matsu’ura, P. Mora, A. Donnellan, & X. Yin (Eds.), *Earthquake Processes: Physical Modelling, Numerical Simulation and Data Analysis Part II* (pp. 2429–2467). Birkhäuser. <https://doi.org/10.1007/978-3-0348-8197-5_14>

Tiampo, K. F., Rundle, J. B., McGinnis, S., Gross, S. J., & Klein, W. (2000). Observation of systematic variations in non-local seismicity patterns from Southern California. In J. B. Rundle, D. L. Turcotte, & W. Klein (Eds.), *Geophysical Monograph Series* (Vol. 120, pp. 211–218). American Geophysical Union. <https://doi.org/10.1029/GM120p0211>

Tiampo, K. F., Rundle, J. B., McGinnis, S., Gross, S. J., & Klein, W. (2002a). Eigenpatterns in southern California seismicity. *Journal of Geophysical Research: Solid Earth*, *107*(B12), ESE 8-1-ESE 8-17. <https://doi.org/10.1029/2001JB000562>

Tiampo, K. F., Rundle, J. B., McGinnis, S., Gross, S. J., & Klein, W. (2002b). Mean-field threshold systems and phase dynamics: An application to earthquake fault systems. *Europhysics Letters (EPL)*, *60*(3), 481–488. <https://doi.org/10.1209/epl/i2002-00289-y>

Tiampo, K. F., Rundle, J. B., McGinnis, S., Gross, S., & Klein, W. (2001). *The phase dynamics of earthquakes: Implications for forecasting in Southern California*. arXiv. <https://doi.org/10.48550/arXiv.cond-mat/0102032>

Tiampo, K. F., Rundle, J. B., McGinnis, S., Klein, W., & Gross, S. J. (2002). Systematic variations in non-local seismicity patterns in Southern California. In Y. Fujinawa & A. Toshida (Eds.), *Seismotectonics in Convergent Plate Boundaries*. Terra Scientific Publishing.

Tiampo, K. F., Rundle, J. B., Sá Martins, J. S., Klein, W., & McGinnis, S. (2004). Methods for evaluation of geodetic data and seismicity developed with numerical simulations: Review and applications. In J. Fernández (Ed.), *Geodetic and Geophysical Effects Associated with Seismic and Volcanic Hazards* (pp. 1489–1507). Birkhäuser. <https://doi.org/10.1007/978-3-0348-7897-5_12>