

PUBLICATIONS

FILIPPO GIORGI

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BOOKS AND SPECIAL ISSUES

Organizer and co-guest editor of a special issue of the Journal of Geophysical Research dedicated to “New Developments and Applications with the NCAR Regional Climate Model (RegCM)”, March 1999.

Organizer and co-guest editor of a special issue of Theoretical and Applied Climatology dedicated to “The ICTP Regional Climate research NETwork (RegCNET)”, September 2006.

Organizer and co-guest editor of a special issue of Climate Research dedicated to “regional Climate Model Evaluation and Weighting”, December 2010.

Organizer and co-guest editor of a special issue of Climate Research dedicated to “The Regional Climate Model RegCM4”, April 2012.

Organizer and co-guest editor of a special issue of Climatic Change dedicated to “The Phase I CORDEX RegCM4 hyper-Matrix (CREMA) experiment”, July 2014.

Organizer and co-guest editor of a special issue of Climate Dynamics dedicated to the CORDEX-CORE Experiment I, September 2021.

Giorgi, F., 2018. L’Uomo e la Farfalla. 6 Domande su cui Riflettere per Comprendere i Cambiamenti Climatici. FrancoAngeli Eds., Milano, Italy, 148 pp.

PEER REVIEWED PUBLICATIONS

1. **Giorgi, F.**, and W.L. Chameides, 1985: The rainout parameterization in a photochemical model. Journal of Geophysical Research, 90, 7872-7880.

2. **Giorgi, F.**, 1986: A particle dry deposition parameterization scheme for use in tracer transport models. Journal of Geophysical Research, 91, 9794-9806.

3. **Giorgi, F.**, and W.L. Chameides, 1986: Rainout lifetimes of highly soluble aerosols and gases as inferred from simulations with a general circulation model. Journal of Geophysical Research, 91, 14,367- 14,376.

4. **Giorgi, F.**, 1988: Dry deposition velocities of atmospheric aerosols as inferred by applying a particle dry deposition parameterization to a general circulation model.

Tellus B, 40B, 23-41.

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6. **Giorgi**, F., and G. Visconti, 1989: Two-dimensional simulations of possible mesoscale effects of nuclear war fires. II: Model Results. *Journal of Geophysical Research*, 94, 1145-1163.
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9. **Giorgi**, F., 1990: Sensitivity of wintertime precipitation and soil hydrology simulation over the western United States to lower boundary specifications. *Atmosphere-Ocean*, 28, 1-23.
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11. **Giorgi**, F., M.R. Marinucci, and G. Visconti, 1990: Use of a limited area model nested in a general circulation model for regional climate simulation over Europe. *Journal of Geophysical Research*, 95, 18,413-18,431.
12. Pitman, A.J., F. **Giorgi**, and A. Henderson-Sellers, 1991: Southeast Australia's wintertime pre- cipitation: Sensitivity of climatic predictions to model resolution. *Australian Meteorology Magazine*, 39, 21-35.
13. **Giorgi**, F., and L.O. Mearns, 1991: Approaches to regional climate change simulation: A review. *Reviews of Geophysics*, 29, 191-216.
14. **Giorgi**, F., 1991: Sensitivity of summertime precipitation over the western United States to model physics parameterizations. *Monthly Weather Review*, 119, 2870-2888.
15. Hostetler, S.W., and F. **Giorgi**, 1991: Use of a regional atmospheric model to simulate lake- atmosphere feedbacks associated with Pleistocene Lakes Lahontan and Bonneville. *Climate Dynamics*, 7, 39-44.
16. **Giorgi**, F., and M.R. Marinucci, 1991: Validation of a regional atmospheric model over Europe: Sen- sitivity of wintertime and summertime simulations to selected physics parameterizations and lower boundary conditions. *Quarterly Journal of the Royal Meteorological Society*, 117, 1171-1207.
17. Marinucci, M.R. and F. **Giorgi**, 1991: Regional climate modeling, *Rendiconti della International School of Physics Enrico Fermi (Varenna, Italy, June 21-July 6, 1990)*, CXV Course. The use of EOS for studies of atmospheric physics, G. Visconti and J.

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18. Marinucci, M.R., and F. **Giorgi**, 1992: A 2XCO₂ climate change scenario over Europe generated using a limited area model nested in a general circulation model I: Present day climate simulation. *Journal of Geophysical Research*, 97, 9989-10009.
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21. Visconti, G., F. **Giorgi**, and M.R. Marinucci, 1992: Numerical simulation of regional climate change. *Cambiamento Globale Del Clima: Stato Della Ricerca Italiana, Atti Dei Convegni Lincei*, 95, Accademia Nazionale Dei Lincei, Rome, Italy, 49-57.
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37. **Giorgi**, F., 1995: Perspectives for regional earth system modeling. Global and Planetary Change, 10, 23-42.
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39. Mearns, L.O., F. **Giorgi**, C. Shields Brodeur and L. McDaniel, 1995: Analysis of the variability of daily precipitation in a nested modeling experiment: comparison with observations and 2XCO₂ results. Global and Planetary Change, 10, 55-78.
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daily variability and diurnal range of temperature in a nested regional climate model: Comparison with observations and doubled CO₂ results. *Climate Dynamics*, 11, 193-209.

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