Dr. Christine C.W. Nam

Climate Service Center Germany (GERICS)
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Summary

Data Scientist with over 10 years of experience in numerical modelling, statistical analysis, data visualization, publishing articles, presenting at international conferences, project management, and customer service.

Professional Experience

2018 - Present	Senior Scientist, Climate Service Center Germany (GERICS), Germany
2013 - 2018	Atmospheric Scientist, Leipziger Institut für Meteorologie, Leipzig, Germany
2011 - 2013	Atmospheric Scientist, Laboratoire de Météorologie Dynamique/IPSL, Paris, France
2011	Atmospheric Scientist, Max-Planck-Institut für Meteorologie, Hamburg, Germany

Education

2008 - 2011	Dr. rerum naturalium Max-Planck-Institut für Meteorologie & Universität Hamburg, Hamburg, Germany
2006 - 2007	M.Sc. Space Studies, International Space University, Strasbourg, France
2002 - 2005	M.Sc. Atmospheric Sciences, University of Alberta, Canada
1997 - 2002	B.Sc. Mathematics (major) & Atmospheric Sciences (minor), University of Alberta, Canada

First-Author Publications

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Nam, C., et al., A prospectus for constraining rapid adjustments in general circulation models, J. Adv. Model. Earth Syst., doi:10.1029/2017MS001153, 2018.

Nam, C., et al., Evaluation of boundary layer cloud parameterizations in the ECHAM5 general circulation model using CALIPSO and CloudSat satellite data, J. Adv. Model. Earth Syst., doi:10.1002/2013MS000277, 2014.

Nam, C., and J. Quaas, Geographical versus dynamically defined boundary layer cloud regimes and their use to evaluate general circulation model cloud parameterizations, Geophys. Res. Lett., 40, 4951-4956, doi:10.1002/grl.50945, 2013.

Nam, C., et al., The “too few, too bright” tropical low-cloud problem in CMIP5 models, Geophys. Res. Lett., 39,doi:10.1029/2012GL053421, 2012.

Nam, C., and J. Quaas, Evaluation of clouds and precipitation in the ECHAM5 general circulation model using CALIPSO and CloudSat , J. Clim., 25,4975-4992, doi:10.1175/JCLI-D-11-00347.1, 2012.

Languages

English:	Fluent
French:	Fluent
German:	Advanced, Completed Level B2

Computer Skills

Programming:	Python, FORTRAN (90, 95), Bash
Scientific:	NCL, matlab
Operating Systems:	Unix, Mac OS, Windows
Office:	LATEX, OpenOffice, MS Office

Selected Awards

2014	EUMETSAT & European Commision, Germany
2014	ECMWF & European Meteorological Society, United Kingdom
2014	GEWEX & World Meteorological Organization (WMO), Netherlands
2011 & 2013	Gordon Research Conferences, USA
2009 & 2010	Keck Institute for Space Studies, USA
2008 - 2011	International Max Planck Research School, Germany
2005 - 2007	European Space Agency Scholarship, France

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Peer Reviewed Publications

Submitted

1. Sieck, K., et al., A regional climate ensemble from the HAPPI consortium for extreme weather impacts over Europe under 1.5C and 2.0C global warming, Earth System Science, submitted.
2. Mülmenstädt, J., et al., An underestimated negative cloud feedback from cloud lifetime changes, Nature Climate Change, submitted.

Published

12. Stevens, B., et al., Large-eddy and Storm Resolving Models for Climate Prediction the Added Value for Clouds and Precipitation, J. Met. Soc. Japan, doi.org/10.2151/jmsj.2020-021, 2020.
11. Mülmenstädt, J., et al., Reducing the aerosol forcing uncertainty using observational constraints on warm rain processes, Science Advances, doi.org/10.1126/sciadv.aaz6433, 2020.
10. Remedio, A. et al., Evaluation of New CORDEX Simulations Using an Updated Köppen–Trewartha Climate Classification, Atmosphere, doi.org/10.3390/atmos10110726, 2019.
9. Mauritsen, T., et al., Developments in the MPI-M Earth System Model version 1.2 (MPI-ESM1.2) and Its Response to Increasing CO2, J. Adv. Model. Earth Syst., doi.org/10.1029/2018MS001400, 2019.
8. **Nam, C.**, et al., A prospectus for constraining rapid adjustments in general circulation models, J. Adv. Model. Earth Syst., doi:10.1029/2017MS001153, 2018.
7. Giorgetta, M. A., et al., ICON-A, the atmosphere component of the ICON Earth system model: I. Model description. J. Adv. Model. Earth Syst., doi.org/10.1029/2017MS001242, 2018.
6. Crueger, T. , et al., ICON-A, the atmosphere component of the ICON Earth system model: II. Model evaluation. J. Adv. Model. Earth Syst., doi.org/10.1029/2017MS001233, 2018.
5. Tsushima, Y., et al., The Cloud Feedback Model Intercomparison Project (CFMIP) Diagnostic Codes Catalogue – metrics, diagnostics and methodologies to evaluate, understand and improve the representation of clouds and cloud feedbacks in climate models, Geosci. Model Dev., 10, 4285-4305, 2017.
4. **Nam, C.**, et al., Evaluation of boundary layer cloud parameterizations in the ECHAM5 general circulation model using CALIPSO and CloudSat satellite data, J. Adv. Model. Earth Syst., doi:10.1002/2013MS000277, 2014.
3. **Nam, C.**, and J. Quaas, Geographical versus dynamically defined boundary layer cloud regimes and their use to evaluate general circulation model cloud parameterizations, Geophys. Res. Lett., 40, 4951-4956, doi:10.1002/grl.50945, 2013.
2. **Nam, C.**, et al., The “too few, too bright” tropical low-cloud problem in CMIP5 models, Geophys. Res. Lett., 39,doi:10.1029/2012GL053421, 2012.
1. **Nam, C.**, and J. Quaas, Evaluation of clouds and precipitation in the ECHAM5 general circulation model using CALIPSO and CloudSat , J. Clim., 25,4975-4992, doi:10.1175/JCLI-D-11-00347.1, 2012.