

Juliane L. Fry
Associate Professor of Air Quality and Atmospheric Chemistry

Julie is associate professor of air quality and atmospheric at Wageningen University, where she moved in 2021 from the United States. Her research program has two major tracks: (1) understanding drivers of street-level urban air pollution and investigating opportunities to mitigate it, and (2) elucidating the chemical interactions between human-produced reactive nitrogen (nitrogen oxides and amines) and climate-relevant atmospheric aerosol particles.



Julie earned a BS in chemistry, with minors in physics, German, and women's studies, from the University of Rochester in 2000, and a PhD in chemistry from the California Institute of Technology in 2005. She conducted research as a Fulbright Fellow in the physical chemistry laboratory at the Fritz Haber Institute of the Max Planck Society in Germany and as a postdoctoral fellow at the University of California at Berkeley. Julie was a Climate Policy Fellow at the Environmental and Energy Study Institute in Washington, D.C., where she provided climate science information to members of Congress. Julie became Assistant Professor of Chemistry and Environmental Studies at Reed College in Portland, Oregon in 2008. She spent a sabbatical year (2011-2012) at the National Center for Atmospheric Research Advanced Studies Program (NCAR/ASP) and the Cooperative Institute for Research in the Environmental Sciences (CIRES) at the University of Colorado at Boulder. Julie obtained a Master's degree in Environmental Law from Lewis and Clark Law School in 2016. She spent a leave (2016-2017) teaching and conducting research on atmospheric aerosol formation at the University of Utrecht (Netherlands) and Forschungszentrum Jülich (Germany). In 2021, Julie moved from Reed College to Wageningen University in the Netherlands, chasing the nitrogen pollution and pursuing the opportunity to work in a larger university atmospheric sciences department and expand her mentoring of PhD students. Julie's research has been funded by the U.S. Environmental Protection Agency, National Science Foundation, National Ocean and Atmospheric Administration, and Dreyfus Foundation; and the Dutch National Science Foundation and EU Horizons Program. She was a 2013 recipient of the Environmental Protection Agency Early Career Award, a 2016 recipient of a Fulbright Teaching and Research U.S. Scholar Award in the Netherlands, and a 2017 recipient of the Henry Dreyfus Teacher-Scholar Award. When not teaching and conducting research, Julie enjoys traveling around Europe (ideally by train or boat), cooking, reading, training, and exploring the Rotterdam arts and music scene. She aims to walk the Camino de Santiago in one-week chunks and is making very gradual progress.