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NEWS:

Mahowald elected Fellow of the American Geophysical Union

Mahowald receives Guggenheim award

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NATALIE M MAHOWALD

Biography

Professor Mahowald has undergraduate degrees in German and Physics from Washington University, a Master's degree in Natural Resource Policy from University of Michigan and a PhD from MIT in meteorology. She conducted her postdoc at Stockholm University in Sweden, before returning to a faculty position at UCSB. She then moved to NCAR, before becoming a faculty member at Cornell in 2007.

Research Interests

My research group is focused on understanding global and regional scale atmospheric transport of biogeochemically important species such as desert dust. We are interested in how humans are perturbing the natural environment, especially through biogeochemical feedbacks. We look at these issues throug a combination of 3-dimensional global transport and climate models, as well as analysis of satellite and in situ data.

Teaching Interests

Climate change, atmospheric biogeochemi

Selected Publications

- Rothenberg, Daniel, Natalie M. Mahowa Scott, Moore Keith, Peter Thornton. 20 climate and biogeochemistry in a coupl Earth System Dynamics 3: 121-136.
- Mahowald, Natalie M. 2013. "Atmosphe

Encyclopedia of Sustainability Science a

- Meng, Lei, Peter Hess, Natalie M. Maho Riley, Zack Subin, David Lawrence, Sea Fuka. 2012. "Sensitivity of wetland me assumptions: application and model tes observations." Biogeosciences 9: 2793-
- Heavens, Nicholas, Natalie M. Mahowal "Sensitivity of A Deep Time Climate Sir Prescription." Journal of Advances in M
- Kloster, S., Natalie M. Mahowald, J. T. 2012. "The impacts of climate, land use during the 21st century simulated by C 509-525.

see more publications

Selected Awards and Honors

- Fellow (American Meteorological Societ
- Henry G. Houghton Award (American M
- Fellow (American Geophysical Union) 2
- Fellow (Guggenheim Foundation) 2013
- City of Paris Research Fellowship 2013

Websites

- Research website

Education