

## Curriculum Vitae

### Kevin James Noone

Professor of Chemical Meteorology, Department of Environmental Science, Stockholm University, Stockholm, Sweden

#### Employment History (since PhD)

- 1) International Meteorological Institute, Stockholm, Sweden, Post-Doc, 1987-88
- 2) Dept. of Meteorology, Stockholm University, Assistant Professor, 1988-91
- 3) Dept. of Meteorology, Stockholm University, Associate Professor, 1991-92
- 4) Graduate School of Oceanography, Univ. Rhode Island (USA), Associate Marine Scientist, 1992-94 (Adjunct Professor of Oceanography, 1993-96)
- 5) Dept. of Meteorology, Stockholm University, Associate Professor, 1994-2000, Head of Atmospheric Physics Division, 2000-2004
- 6) International Geosphere-Biosphere Programme, Executive Director, 2004-08
- 7) Department of Applied Environmental Science & Stockholm Resilience Centre, Stockholm University, Professor, 2008-09
- 8) Department of Applied Environmental Science, Stockholm University, Head of Atmospheric Science Division, 2009-13
- 9) Swedish Secretariat for Environmental Earth System Sciences, Director, 2010-14
- 10) Department of Environmental Science, Professor, 2013-

#### Degrees

University of Washington	BS, Chemical Engineering	1982
University of Washington	MSE, Civil Engineering	1985
University of Washington	PhD, Civil Engineering	1987

#### Narrative of Research Experience

I don't know what I want to be when I grow up. The first couple of decades after my PhD involved developing and using instrumentation to learn more about how aerosol particles and clouds interact in the atmosphere. This grew into an interest in biogeochemistry and global environmental change, prompting a career switch to international science administration at the International Geosphere-Biosphere Programme, where I was Executive Director. This position gave me the opportunity to interact with many individuals and organizations outside academia and research, stimulating in interest in transdisciplinary research and science/society/policy interactions. Since then, I have worked to link the global environmental change and development research communities as Director of the Swedish Secretariat for Environmental Earth System Sciences, and am currently Chief Scientific Advisor for two international economic think tanks. I have attempted to improve links between science and society in different ways, among them through two stage projects with the Royal Dramatic Theatre in Stockholm and through Researchers Desk, a Swedish/Scottish NGO aimed at enabling scientists to communicate about societal issues.

## Key Publications

[Excerpted from 142 total, 102 peer-reviewed journal publications (two “highly cited”); two books; 12 book chapters, 8 of which are peer reviewed. H-index 39]

- 3) Clarke, A.D., and Noone, K.J., Soot in the Arctic Snowpack: A Cause for Perturbations in Radiative Transfer, *Atmospheric Environment*, 19, 2045 - 2053, 1985.
- 10) Noone, K.J., Charlson, R.J., Covert, D.S., Ogren, J.A., and Heintzenberg, J., Cloud Droplets: Solute Concentration is Size Dependent, *Journal of Geophysical Research*, 93, 9477 - 9482, 1988.
- 69) Jacobson, M.C., H.-C. Hansson, K.J. Noone, and R.J. Charlson, Organic Atmospheric Aerosols: Review and State of the Science, *Rev. Geophys.*, 38, 267-294, 2000.
- 106) Targino, A., R. Krejci, K. Noone, and P. Glantz, Single particle analysis of ice crystal residuals observed in orographic wave clouds over Scandinavia during INTACC experiment, *Atmos. Chem. Phys.*, 6, 1977-1990, 2006.
- 123) Rockström, J., W. Steffen, K. Noone, Å. Persson, F. S. Chapin III, E. F. Lambin, T. M. Lenton, M. Scheffer, C. Folke, H. J. Schellnhuber, B. Nykvist, C. A. de Wit, T. Hughes, S. van der Leeuw, H. Rodhe, S. Sörlin, P. K. Snyder, R. Costanza, U. Svedin, M. Falkenmark, L. Karlberg, R. W. Corell, V. J. Fabry, J. Hansen, B. Walker, D. Liverman, K. Richardson, P. Crutzen, and J. A. Foley, 2009: A safe operating space for humanity. *Nature*, 461, 472-475, doi: 10.1038/461472a. **(This paper has more than 8,000 citations)**
- 135) Noone, K. J. (2016), Beware the impact factor, *Ambio*, 45, 513-515, doi:10.1007/s13280-016-0777-6.
- 140) Niemi, M., A. Skelton, K. Noone, and M. J. Olsson (2021), Lockdown Measures Which Reduced Greenhouse Gas Emissions With Little Negative Impact on Quality of Life, *Earth's Future*, 9(5), e2020EF001909, doi:<https://doi.org/10.1029/2020EF001909>.
- 141) Noone, K. J., J. J. Schensul, and P. R. Buchanan (2022), Augmenting the Grammar of Science—The Community Science Exchange, *Community Science*, 1(2), e2022CSJ000012, <https://doi.org/10.1029/2022CSJ000012>.

## Honors

- 1976 National Merit Scholar Award
- 1984 Valle Scandinavian Exchange Scholarship
- 2006 Haagen-Smit Prize, Outstanding paper in *Atmospheric Environment*
- 2012 Katerva Award nominee; economics category

## Professional Society Memberships (since 2010)

[Other than for AGU, this list does not include board or committee memberships]

AGU (Council, Council Leadership Team); EGU; Jury member, Frontiers Planet Prize; Chief Scientific Advisor, International Sustainable Finance Centre and Re-Define; European Academies Science Advisory Council, Environment Steering Panel Chair; Committee on Nucleation and Atmospheric Aerosols; International Group of Funding Agencies