Profile:

I work on environmental chemistry, focusing on acidity, metals and natural organic matter in soils and waters, with an emphasis on modelling. Recent and current topics are:

Cation-binding by natural organic matter – improvement of the WHAM chemical speciation model (Metals Industry)

Dynamics and toxicity of mercury in soils (Defra)

Soil and water carbon dynamics using natural-abundance $^{14}$C (NERC)

Metal toxicity – mixture effects in the field (EA, Metals Industry)

Coupling C and N soil turnover, in relation to N availability and leaching (Defra)

I hold a DSc from the University of Manchester, and I am a Visiting Professor at the University of Lancaster.
Name: Professor Mark Sutton

Position: Individual Merit Promotion Band 2 Research Scientist

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Staff Profile: Professor Mark Sutton

Profile:

Prof. Sutton’s interests focus on the emission, atmospheric transfer of atmospheric reactive nitrogen compounds, especially ammonia, including the interactions with greenhouse gas balance, and eutrophication. He is engaged in leading atmospheric flux measurements and developing a multi-pollutant approach for nitrogen, with special attention to the fate of emissions from agriculture.

Prof. Sutton is Chair of the International Nitrogen Initiative (INI) of IGBP / SCOPE, and Co-Chair of the UNECE Task Force on Reactive Nitrogen (a body under the Geneva Convention on Long-range Transboundary Air Pollution). He was coordinator of the EU NitroEurope Integrated Project and led the European Nitrogen Assessment (ENA), the first continental multi-threat assessment of nitrogen impacts on climate, air pollution, water quality, soil quality and biodiversity, published in April 2011. Prof Sutton is currently coordinator of the EU ÉCLAIRE project, which addresses how climate change will alter air pollution threats to European ecosystems and is a member of the Steering Group of the UNEP led Global Partnership on Nutrient Management (GPNM).