



Markku Rummukainen, PhD

Professor

Department of Physical Geography and Ecosystem Science, Lund University, Sölvegatan 12, SE-223 62 Lund, Sweden

Climate Advisor

Swedish Meteorological and Hydrological Institute, SE-601 76 Norrköping, Sweden

E-mail:

markku.rummukainen@nateko.lu.se

markku.rummukainen@smhi.se

Markku Rummukainen is a Professor of Climatology at Lund University, Sweden, and Climate Advisor at the Swedish Meteorological and Hydrological Institute. He is also a member of the Swedish Climate Policy Council. His research has focused on polar ozone, climate models and scenarios, and climate-biosphere interactions. He has been an IPCC Lead Author in its Fifth Assessment Report and at present, the Swedish Focal Point for IPCC. He has earlier also served as the Secretary General of the Swedish Research Council Formas.

Public service, selection

Fellow, the Royal Swedish Academy of Agriculture and Forestry. Fellow, the Royal Physiographic Society of Lund. Member, Swedish Climate Policy Council. Member, Climate Policy Council of Lund Municipality, 2018–2020. Member, Scientific Council of Sustainable Development, 2017–2018. Chair, the Environmental Research Council at the Swedish Environmental Protection Agency 2014–2016. Board of Directors, Swedish National Infrastructure for Computing, SNIC, 2012–2016. Member, Scientific Council on Climate Issues, the Swedish Environmental Advisory Council, 2007. Chair, Advisory Board of the ERA-Net CIRCLE, 2006–2009. Reviewer for several international journals. Reviewer and/or evaluator for research councils and other research funding agencies in Finland, Sweden, Norway, Iceland, Denmark, Austria, Germany, Czech Republic, the Netherlands, Belgium, the UK, Ireland, the US and the European Commission and ERC.

Selected publications

Kjellström, E., P. Thejll, M. Rummukainen, J. H. Christensen, F. Boberg, O. B. Christensen, and C.

Fox Maule, 2013, Emerging regional climate change signals for Europe under varying large-scale circulation conditions, *Climate Research*, 56, 103-119.

Pilli-Sihvola, K., B. van Oort, I. Hanssen-Bauer, M. Ollikainen, M. Rummukainen and H.

Tuomenvirta, 2015, Communication and use of climate scenarios for climate change adaptation in Finland, Sweden and Norway, *Local Environment*, 20:4, 510-524.

Rummukainen, M., 2016, Added value in regional climate modeling, *WIREs Climate Change*, 7, 145-159.

Rummukainen, M., 2016, Annex 3: Uncertainties in Climate Change Projections. In M. Quante and F. Colijn (Eds.), *North Sea Region Climate Change Assessment, Regional Climate Studies*, Springer, 505-514.

Wu, M., G. Schurgers, A. Ahlström, M. Rummukainen, P.A. Miller, B. Smith and W. May, 2017, Impacts of land use on climate and ecosystem productivity over the Amazon and the South American continent, *Environmental Research Letters*, 12:5, 054016.