



Hans von Storch was awarded the IMSC achievement award at the 11IMSC in Edinburgh, 2010 to recognize his key contributions to statistical downscaling, reconstruction of temperature series, analyses of climatic variability, and detection and attribution of climate change.

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[Prof. Hans von Storch](#) has been awarded the 2010 IMSC Achievement Award for his extensive scientific contributions at the interface between statistics and climatology. Hans has an exceptional ability to identify, articulate and resolve the key statistical aspects of the climate science problems on which he has worked. He is an extremely productive scientist and has made a large number of contributions that have improved the application of statistics in climatology. His contributions include the lead authorship of the very heavily used and cited monograph "Statistical Analysis in Climate Research" (co-authored with Francis Zwiers and published by Cambridge University Press), key contributions to the early development of statistical downscaling, innovative approaches to the evaluation of statistical procedures such as those used to reconstruct historical hemispheric mean temperatures from paleo-proxy records, substantial contributions to the development and analysis of historical storminess indicators, and numerous other topics including the analysis of climatic variability, the introduction of the concept of redundancy analysis, elaboration of the concepts of PIPs (Principal Interaction Patterns) and POPs (Principal Oscillation Patterns), examination of which types of hypotheses are testable, and the detection and attribution of climate change. Hans has published 16 books in total during his career and in excess of 150 scholarly papers. He has also made innumerable contributions to the development of the field of statistical climatology by training many young scientists to be proficient in the thoughtful and careful application of statistics to problems in climate science. He has done this through his teaching, student supervision, postdoctoral supervision, and by organizing many graduate level schools.