

# From Decoding Turbulence to Unveiling the Fingerprint of Climate Change

Hans von Storch

From Decoding  
Turbulence  
to Unveiling  
the Fingerprint  
of Climate Change

Klaus Hasselmann—Nobel Prize Winner  
in Physics 2021

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# Preface

This book brings together how we, friends, colleagues, and co-workers, see the scientist Klaus Hasselmann. We have tried to assess the legacy of his work, oceanography, climate science, economy, and physics.

The original momentum for this project came from Ola M. Johannessen. Hans von Storch designed the concept of the book, supervised the composition, and holds the overall-reponsibility of the book.

One group of authors has contributed to various aspects of the book, in particular to Chaps. 1 and 3; others also to the interviews in Chap. 4, and the library of MPI to the hopefully eventually complete publication list in Chap. 5: Ola M. Johannessen, Susanne Hasselmann, Gerbrand Komen, Peter Lemke, Dirk Olbers, Carola Kauhs, Martin Heimann, Hans von Storch, Dmitry Kovalevsky, and Lennart Bengtsson.

Another group has provided “personal accounts” in Chap. 3, additional to the first group, these are (in random order) Hans Graf, Jin-Song von Storch, Jürgen Willebrand, Achim Stössel, Mojib Latif, Jörg Wolff, Christoph Heinze, Ulrich Cubasch, Ben Santer, Patrick Heimbach, Robert Sausen, Gabriele Hegerl, Luigi Cavaleri, Kristina Katsaros, Peter Janssen, Jürgen Sündermann, Klaus Fraedrich, Hartmut Graßl, and Udo Simonis. These accounts were provided “upon invitation”, and there are certainly many more companions of Klaus, whose account would have been interesting and even entertaining. But obviously, the book must have a limited size; thus, we owe an apology to those, whom we had not invited.

There was some funding needed for this project; a little for technical support, but in particular for having the book printed by Springer Publisher.

These costs were generously covered by the Max Planck Institute of Meteorology in Hamburg.

Cover-drawing: Victor Ocana. Two significant work contributions need to be recognized—the final check of the various references by Carola Kauhs, and the final reading and detecting of glitches of all kinds by Dirk Olbers; quite possibly Hans von Storch added new glitches when trying to do the final corrections. After completion, we were informed that Klaus Hasselmann was awarded the Nobel prize in Physics of 2021.

Hamburg, Germany

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