

Prof. Dr. Andreas H. Fink

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Last Update: 03/2026

HIGHLIGHTS

- > 30 years of research experience at two institutions in Germany
- Broad research portfolio in dynamical meteorology and climatology with a focus on the tropics, in particular Africa
- 168 peer-reviewed journal publications (~5720 citations, h-index 46*)
- Experience as leader of large collaborative projects (BMBF, DFG SFB, EU), involved in more than 30 projects in the last 20 years
- Prestigious fellowships and awards (e.g. AMS Fellow, 2 RMS awards)
- About 90 invited presentations at conferences and institutional seminars
- Supervision of ~40 PhD students and 14 Postdocs
- 25 years of successful teaching and student supervision

Community Services and Society Memberships:

- Since 2026 Member of the German Committee Future Earth
- 2023-2024 Advisory and scientific board of the BMBF-MESR Initiative CS4RRA "Climate Services for Risk Reduction in Africa".
- 2017–2020- Member of the expert commission of the BMBF round table "Creation of Perspectives in Africa"
- 2005-2010 Member of the AMMA (African Monsoon–Multidiscipl. Analyses) International Scientific Steering Committee
- since 2004 Member of the American Meteorological Society (AMS)
- since 1988 Member of the German Meteorological Society (DMG)

AWARDS

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| Jan. 2022 | Fellow of the American Meteorological Society |
| 2016/17/19 | KIT Faculty of Physics teaching prizes for best special course |
| Nov. 2016 | KIT teaching price for synoptic course |
| May 2015 | Vaisala Award for Observing & Instrumentation , Royal Met. Soc., U.K. |
| June 2008 | Gordon Manley Weather Prize , Royal Met. Soc., U.K. |

* ISI Web of Science as of 27 March 2026

AREAS OF INTEREST

- Dynamics, teleconnections and predictability of weather phenomena, with a focus on the Tropics (e. g. tropical waves & cyclones, ENSO)
- Climate variability and change, with regional foci in Africa, Europe, and Southeast Asia
- Extreme weather and climate events (heat waves, precipitation, mid-latitude cyclones)
- Regional climate modeling, model bias correction

ACADEMIC QUALIFICATIONS/EDUCATION

- 1991 Diploma in Meteorology, University of Cologne, Germany
- 1995 PhD in Meteorology, University of Cologne, Germany
- 2004 Habilitation in Meteorology, University of Cologne, Germany

WORK EXPERIENCE

- since 10/2013 Professor, KIT, Karlsruhe, Germany
- 10/2011- 09/2013 Professor, Univ. of Cologne, Germany
- 09/2004-09/2011 “Hochschuldozent“, C2, Univ. of Cologne, Germany
- 10/2005-09/2006 Replacement professorship, Univ. of Cologne, Germany
- 11/1995-08/2004 Postdoc at Univ. of Cologne, Germany

FIVE MOST IMPORTANT PUBLICATIONS

- [01] Rousi E., **A. H. Fink**, and co-authors, **2023**: The extremely hot and dry 2018 summer in central and northern Europe from a multi-faceted weather and climate perspective. *Nat. Hazards Earth Syst. Sci.*, 23(5), 1699–1718, doi: 10.5194/nhess-23-1699-2023. **(highly cited in ISI Web of Science)**
- [02] Nicholson, S. E., C. Funk, and **A. H. Fink**, **2018**: Rainfall over the African continent from the 19th through the 21st century **(Invited Paper)**. *Global and Planetary Change*, 165, 114-127, DOI: 10.1016/j.gloplacha.2017.12.014. **(highly cited in ISI Web of Science)**
- [03] Sanogo, S., **A. H. Fink**, J. B. Omotosho, A. Ba, R. Redl, and V. Ermert, 2015: Spatio-temporal characteristics of the recent rainfall recovery in West Africa. *Int. J. Climatol.*, 35, 4589–4605, DOI: 10.1002/joc.4309.
- [04] **Fink, A. H.**, T. Brücher, V. Ermert, A. Krüger und J. Pinto, **2009**: The European Storm Kyrill in January 2007: Synoptic Evolution and Considerations with Respect to Climate Change. *Nat. Hazards Earth Syst. Sci.*, 9, 405–423.
- [05] **Fink, A. H.** and A. Reiner, **2003**: Spatio-temporal Variability of the Relation between African Easterly Waves and West African Squall Lines in 1998 and 1999. *J. of Geophys Res.*, 108(D11), ACL 5-1-5-17, 4332, doi:10.1029/2002JD002816.