

Summary:

Peter Bechtold is a Principal Scientist in the European Center of Medium-range Weather Forecast (ECMWF) Research Departments Earth System Modeling Section and is responsible for the developments in convection as well as the development of many aviation related products like Clear Air Turbulence (CAT), near-surface wind gusts, ceiling, convective cloud top height etc. He is also involved in all aspects concerning the impact of convection and turbulence on the general circulation (including water vapor and chemical tracer transport), as well as the impact of gravity waves on the stratosphere.

Professional interests:

- Numerical weather prediction
- Tropical meteorology
- Atmospheric moist convection and turbulence
- Physical parametrizations
- Aviation and severe weather products

Career background:**Education**

- Studied Physics and Meteorology at the Universities of Karlsruhe (Germany) and Clermont-Ferrand (France)
- PhD in Meteorology at University Clermont-Ferrand (1992)
- Habilitation University Paul Sabatier, Toulouse (1998)

Professional

- Charge de Recherche CNRS, Observatoire Midi-Pyrenees, Toulouse (1992-2002)
- On research leave to Dutch weather service KNMI (Utrecht, Netherlands 1996-1997) and University of Lisboa (Portugal, 2002)
- Joined ECMWF in 2002 as a senior scientist and became a principal scientist in 2015

External recognitions

CNRS Bronze medal