# **Curriculum Vitae**

## Cathy Hohenegger

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### Education

2021	Habilitation Department Earth Sciences, U. Hamburg Thesis: Precipitating Convection: its daily the interaction with the land surface Mentor: Prof. M. Claussen, Meteorological In	Hamburg, Germany ransition, organization and nstitute
2003 - 2006	<b>Dr. Sc. ETH</b> Department Earth Sciences, ETH Zürich Thesis: <i>Dynamical analysis of atmospheric</i> <i>resolving models</i> Advisor: Prof. C. Schär, Institute for Atmosp	Zurich, Switzerland <i>ic predictability in cloud</i> - oheric and Climate Science
1998 - 2003	<b>Dipl. Natw. ETH</b> with distinction Department Earth Sciences, ETH Zürich Thesis: <i>An assessment of the sensitivity of</i> <i>aerosol forcing simulated with a regio</i> Advisor: Dr. PL. Vidale, Institute for Atmos	Zurich, Switzerland T the European climate on conal climate model pheric and Climate Science

## **Professional experience**

2022 -	W2 Research Group Leader Max Planck Institute for Meteorology	Hamburg, Germany
2011 - 2022	<b>Research Group Leader</b> Max Planck Institute for Meteorology	Hamburg, Germany
2010	<b>Scientist</b> Max Planck Institute for Meteorology	Hamburg, Germany
2009 - 2010	<b>Visiting Scientist</b> Department of Atmospheric Sciences, U. of Wash	Seattle, USA nington
2007 - 2009	<b>Post-doctoral Research Associate</b> Institute for Atmospheric and Climate Science, E	Zurich, Switzerland TH Zürich
2003 - 2006	<b>Graduate Research / Teaching Assistant</b> Institute for Atmospheric and Climate Science, E	Zurich, Switzerland TH Zürich
Jul Oct. 2001	<b>Internship</b> Federal Office of Meteorology and Climatology	Zurich, Switzerland

## Honors and fellowships

2023	$\rm WIVERN$ , part of the mission advisory group of the WIVERN satellite mission, chosen as one of the two remaining tenders for ESA Earth Explorer 11
2021	<b>Climate of the Past, highlight</b> for the paper <i>Influence of the representation of convection on the mid-Holocene West African Monsoon</i> by Juangandreas, Hohenegger and Claussen
2021	$\ensuremath{\text{SC'21}}$ best visualization award, part of the joint team, team led by N. Röber
2021	<b>AGU2020 Outstanding reviewer</b> for the Journal of Advances in Modeling Earth Systems
2020	<b>Meteorological Society of Japan, publication award</b> for the paper <i>The added value of large-eddy and storm-resolvling models for simulating clouds and precipitation</i> by Stevens et al. 2020 (part of the author team)
2016	<b>AGU2015 Outstanding reviewer</b> for the Journal of Advances in Modeling Earth Systems
Since 2011	AcademiaNet member
2009 - 2010	<b>Fellowship for advanced researchers</b> obtained from the Swiss National Science Foundation
26 May 2005	Young scientist travel award obtained from the European Meteorological Society in the context of the ICAM/MAP conference in Zadar, Croatia
22 November 2003	<b>ETH Willi-Studer-Prize</b> for the best degree in Earth Sciences, awarded by ETH Zürich, Zurich, Switzerland

## Projects

External funding	
1.2022 - 6.2025	<b>Canopies in the Earth System</b> , A3 subproject CLiCCS excellence cluster, German Research Foundation (DFG) Co-PI, 150'000€
9.2021 - 8.2025	<b>Storms and Land</b> , one of three science themes Next Generation Earth Modelling Systems (NextGEMS) project, Horizon 2020 (European Union) Lead PI with C. van Heerwaarden, 623'000€, total 2'015'000€ for the science theme
7.2020 - 6.2024	<b>Energy-consistent ocean-atmosphere coupling</b> , subproject Collaborative Research Centre TRR 181 on energy transfers in at- mosphere and ocean, German Research Foundation (DFG) PI, 222'300€

1.2019 - 12.2022	Advancing the representation of convection across scales II Phase 3 of the Hans Ertel Centre for Weather Reserach (HErZ), Federal Ministry of Transport and Digital Infrastructure (BMVI) Lead PI, 876'873€, total 1'600'000 for full project
4.2016 - 3.2019	<b>Cloud and convective organisation</b> , one of five science themes Phase 2 of HD(CP) <sup>2</sup> , Federal Ministry of Education and Research (BMBF) Lead PI, 267'010€, total 911'616€ for science theme
1.2015 - 12.2018	Advancing the representation of convection across scales Phase 2 of of the Hans Ertel Centre for Weather Reserach (HErZ), Federal Ministry of Transport and Digital Infrastructure (BMVI) Lead PI, 761'638€, total 1'600'000 for full project
1.2011 - 1.2015	<b>Clouds and convection</b> Phase 1 of the Hans Ertel Centre for Weather Reserach (HErZ), Federal Ministry of Transport and Digital Infrastructure (BMVI) Lead PI, 1'187'748€, total 1'187'748 for full project
2011 - 2021	Large-eddy simulations of clouds and convective processes Yearly CPU time allocation at DKRZ, Federal Ministry of Education and Research (BMBF) Lead PI
Field campaign	
FESSTVaL	Initiator of the field campaign FESSTVaL (Field Experiment on Sub- mesoscale Spatio-Temporal Variability in Lindenberg) with two test campaigns in 2019 and 2020 and the main field campaign from 17.05.2021 to 31.08.2021 in Lindenberg (Germany) with 16 partic-

## Community service

ipating institutes.

General	
Since 5.2023	Chair of the working group on <i>global coupled ultra-high-resolution modeling</i> of the WCRP lighthouse activity <i>Digital Earths</i>
Since 5.2023	Member of the mission advisory group of the WIVERN satellite mission, one of the four tenders for ESA Earth Explorer 11 $$
Since 2021	Member of the JSBACH steering group
6.2019 - 12.2022	Speaker of the steering committee of the field campaign $\ensuremath{FESSTVaL}$
7.2016 - 6.2019	Scientific representative of the Max Planck Institute for Meteorology in the Chemical Physical Technical (CPT) Section of the Max Planck Society
1.2015 - 12.2018	Speaker of the executive board of the Hans Ertel Centre for Weather Research (HErZ)
Since 2014	Member of the executive committee of the IMPRS

2012 - 2014	Grant holder and member of the management committee of the
	COST ES0905 action on convection
2011 - 2022	Member of the executive board of the Hans Ertel Centre for Weather

- Research (HErZ)
- Since 2006 Reviewer for various scientific journals and grant applications

#### **Conference organization**

7 - 9.12.2022	Organizer with Prof. S. van den Heever of a workshop on <i>Cold pools</i> , Ringberg, Germany
3 - 7.10.2022	Co-chair of the steering committee of the WCRP workshop on <i>Modelling the climate system at ultra-high resolution</i> , Boulder, Colorado, USA
19 - 22.10.2021	Co-organizer of the first hackathon of the NextGEMS project, Har- nack House, Berlin, Germany
21.6 16.7.2021	Co-organizer of a CLIVAR international workshop to prepare a po- sition paper on <i>Towards more reliable regional climate change pro-</i> <i>jections</i> , online
2 - 4.12.2020	Co-organizer of a workshop on the field campaign $\ensuremath{FESSTVaL}$ , online
30.6 13.7.2019	Co-organizer of the 2nd ICTP summer school on <i>Theory, mecha-</i> nisms and hierarchical modelling of climate dynamics: convective organization and climate sensitivity, Trieste, Italy
15 - 26.6.2015	Host organizer of the 1st WCRP summer school on <i>Model development</i> , Hamburg, Germany
Since 2014	Convener of the session on <i>Atmospheric convection</i> at the EGU General Assembly
2013	Organizer of the general meeting of HErZ, Hamburg, Germany
2012	Co-organizer of the fourth international workshop on <i>High-resolution cloud modelling</i> , Ringberg, Germany

### **Supervision**

#### Internships

Enora Le Gall (2023, from Ecole Normale Supérieure, France), Andrew Williams (2022, from Oxford, PhD student), Bernard Postema (2022, from U Wageningen, the Netherlands), Sara Shamekh (2020, from LMD, France, PhD student), Thomas Frederikse (2013, from TU Delft, the Netherlands), Wolfgang Langhans (2008, from Austria)

#### **Bachelor theses**

Matthias-Heinz Retsch (2015)

#### Master theses

Jule Ratdke (2019, joint with Prof. T. Mauritsen), Matthias-Heinz Retsch (2017, joint

with Prof. T. Mauritsen), Hauke Schulz (2016, joint with Prof. B. Stevens)

#### PhD theses

1. Arim Yoon, ongoing, started 2022. Effect of Amazon deforestation on precipitation

2. Luca Schmidt, ongoing, started 2020. Precipitation over tropical islands

3. Bastian Kirsch, 2022. Illumiating convective cold pools with a dense station network. PhD Thesis, University of Hamburg, Hamburg, *Reports on Earth System Science*, **257**. Joint with Prof. F. Ament

4. Laura Paccini, 2022. Sensitivity of resolved convection to ocean and land surfaces in the tropical Atlantic and Amazon Basin. PhD Thesis, University of Hamburg, Hamburg, *Reports on Earth System Science*, **250**. Joint with Prof. B. Stevens

5. Leonore Jungandreas, 2021. Influence of the representation of convection on the mid-Holocene West African Monsoon. PhD Thesis, University of Hamburg, Hamburg, *Reports on Earth System Science*, **247**. Joint with Prof. M. Claussen

6. Sebastien Müller, 2019. Convectively generated gravity waves and convective aggregation in numerical models of tropical dynamics. PhD Thesis, University of Hamburg, Hamburg, *Reports on Earth System Science*, **214**. Joint with Dr. E. Manzini

7. Guido Cioni, 2018. Large-eddy simulations of land-atmosphere interactions and midlatitude storms: from conceptual models to realistic cases. PhD Thesis, University of Hamburg, Hamburg, *Reports on Earth System Science*, **206** 

8. Tobias Becker, 2018. On the interaction of precipitating convection with its environment and the role of convective organization. PhD Thesis, University of Hamburg, Hamburg, *Reports on Earth System Science*, **202**. Joint with Prof. B. Stevens

9. Angela Cheska Siongco, 2016. Drivers of precipitation biases in the tropical Atlantic sector. PhD Thesis, University of Hamburg, Hamburg, *Reports on Earth System Science*, **181**. Joint with Prof. B. Stevens

10. Malte Rieck, 2015. The role of heterogeneities and land-atmosphere interactions in the development of moist convection. PhD Thesis, University of Hamburg, Hamburg, *Reports on Earth System Science*, **167** 

#### **Guest for fellowships**

Dr. Thibaut Dauhut, 2019-2020, Humboldt fellowship

Dr. David Leutwyler, 2018-2019, SNSF Early Post doc mobility grant

Dr. James Ruppert, 2016-2018, Humboldt and NSF fellowships

#### PostDocs

Dr. Tobias Becker, Dr. Matthias Brueck, Dr. Rieke Heinze, Dr. Junhong Lee, Dr. Ann Kristin Naumann, Dr. Karsten Peters, Dr. Divya Sri Praturi, Dr. Nicolas Rochetin, Dr. Mirjana Sakradzija, Dr. Hans Segura, Dr. Linda Schlemmer, Dr. Jaemyeong Seo, Dr. Radomyra Shevchenko, Dr. Christian Wengel, Dr. Julia Windmiller

### Teaching

#### **Courses and guest lectures**

Land-atmosphere interactions, summer semester 2019, University of Hamburg, master and PhD students, 2-h/week, lecture

*Parameterizing moist processes in atmospheric models*, summer semesters 2016 and 2017, University of Hamburg, master and PhD students, 2-h per week, lecture and computer lab, joint with Dr. Daniel Klocke

Researching and shaping climate futures, one guest lecture (2 h), winter semester 2022/2023, overall course given by Prof. Kutzbach, U Hamburg

*Parallel computing for multiscale and multiphysics problems*, one guest lecture (2h), spring semester 2020, overall course given by Prof. Neumann at U. Helmut-Schmidt, Hamburg

LES introductory course, one-week block course, 2012, course led by Dr. Thijs Heus

#### Summer schools

TRR meteorological training module (22.11-3.12 2021), FESSTVaL lecture series (17.05-2.08.2021), ICTP summer school (30.6-13.7.2019), ENS summer school (28.5-1.6 2018), Land-atmosphere interactions summer school (21.6-02.7.2015), 1st WCRP summer school on *Model development* (15.6-26.6.2015), Summer school on *Clouds and Climate* (24.6-5.7 2013), Summer school on *Basics of atmospheric convection parameterization* (29.9-9.10.2013).

### Presentation

#### Invited talks

- FESSTVaL, the Field Experiment on Submesoscale Spatio-Temporal Variability in Lindenberg. 100m PHY-EPS workshop, Offenbach am Main, Germany, 5 February 2024
- Representation of land precipitation in global km-scale simulation and of its coupling to the underlying land surface. *Institute seminar*, Centre for ecology and hydrology, Wallingford, 16 January 2024
- WIVERN, science part I. ESA User Consultation Meeting, Bucharest, 27 October 2023

Representation of the water cycle and its coupling to the land surface in a kilometer-scale Earth System Model. *Tereno-Ozcar conference*, Bonn, Germany, 27 September 2023

Amazon. ESRP meeting, Göttingen, Germany, 13 June 2023

The future of climate modelling. *Joint Scientific Committee meeting of WCRP*, Brussels, Belgium, 8 May 2023

Clouds and precipitation distribution in storm-resolving simulations. *ICCP-GSRA and 2nd EarthCARE Modeling workshop*, Shuzenji, Japan, 28 March 2023

Strategically important projects and how they support MPI-M's research strategy. Retreat

of the Max Planck Institute for Meteorology, Berlin, Germany, 24 January 2023

- Searching for cold pool imprints. 1st Cold pool workshop, Ringberg, Germany, 7 December 2022
- Representation of clouds and precipitation in storm-resolving coupled global simulations, 6th WGNE workshop on systematic errors in weather and climate models, Reading, UK, 3 November 2022
- Coupled k-scale modelling: Challenges and opportunities. *Modelling the climate system at ultra-high resolution workshop*, Boulder, CO, USA, 26 September 2022
- ICON-Sapphire: Simulating the components of the Earth System and their interactions at kilometer and subkilometer scales. *ICAS symposium*, Stresa, 13 September 2022
- FESSTVaL: Connecting dense surface networks, supersites and citizens to catch atmospheric variability at kilo- and subkilo-meter scales. *EMS Annual Meeting*, Bonn, 7 September 2022, keynote talk
- Do tropical continents receive more than their fair share of precipitation? *Carnegie continental workshop*, St Andrews, UK, 7 June 2022
- Gewitterforschung: Was sind Cold Pools? Wie misst man sie? *MPG funders event*, Hamburg, Germany, 17 May 2022
- Climate modelling, Visit French master students, Hamburg, Germany, 13 April 2022
- Peering into the internal structure of cold pools and their interactions with a dense observational network. DACH Tagung, Leipzig, 25 February 2022
- Global coupled storm- and ocean eddy-resolving simulations on yearly timescale: first results. *The fifth convection-permitting modeling workshop*, online, 8 September 2021
- How to improve our modelling capabilities? CLIVAR workshop, online, 23 June 2021
- Searching for signatures of self-aggregation in less idealized atmosphere. *Workshop on convective organization*, online, 5 May 2021
- Impact of resolution and interactive SST on climate statistics in global storm-resolving simulations. *AGU fall meeting*, online, December 2020
- Is convective organization more than candy for the eyes? *Seminar*, U. Reading, UK, 4 November 2019
- Convective organization: should we parameterize it? *Workshop on convection parametrization: progress and challenges*, Exeter, UK, 18 July 2019
- Deep convection versus shallow circulation: who wins? *Institute colloquium*, Institute for atmospheric and climate science, Zurich, Switzerland, 27 May 2019
- Interactions between deep convection and shallow circulations. *Seminar*, Goethe University, Frankfurt, Germany, 9 May 2019
- How important is convective organization? Understanding clouds and precipitation, Berlin, Germany, 27 February 2019
- What controls precipitation enhancement over a heterogeneous surface? AGU fall meeting, Washington DC, USA, 13 December 2018
- Organization controls on precipitating convection. AGU fall meeting, Washington DC,

USA, 10 December 2018

- The DYAMOND experience. *Easiwace review meeting*, Hamburg, Germnay, 6 November 2018
- FESSTVaL: The field experiment on sub-mesoscale spatio-temporal variability in Lindenberg. *Colloquium*, Lindenberg, Germany, 18 April 2018
- The coupling of clouds to circulation on the mesoscale. *Sino-German workshop on highresolution modeling*, Peking, China, 26 March 2018

When the plants wilt....the rain comes. *Sino-German workshop on high-resolution modeling*, Guanzhou, China, 20 March 2018

The self-organization of convection over a simplified land surface. *Institute colloquium*, Niels Bohr Institute, Copenhagen, Denmark, 14 March 2018

- Effects of convective organization on the subtropics. *ISSI International team on mesoscale patterns of cloudiness and humidity in the trades*, Bern, Switzerland, 27 November 2017
- The organization of convection and its interactions with the land surface. *Scientific Advisory Board review meeting*, Hamburg, Germany, 13 November 2017
- What should a cumulus parameterization do? *The future of cumulus parametrization workshop*, Delft, the Netherlands, 10 July 2017
- Interactions between the land surface and convection: who wins? *Institute colloquium*, Karlsruhe Institute for Technology, Germany, 13 June 2017
- Interaction between convective organization and the climate system. *Institute colloquium*, University of New South Wales, Australia, 15 March 2015
- How does convection shape the climate? ...and parameterizations misshape it? *Institute colloquium*, Melbourne University, Australia, 10 March 2017
- How does convection shape the climate? ...and parameterizations misshape it? *Institute colloquium*, Monash University, Australia, 3 March 2017
- Radiative convective equilibrium simulations over land. *Seminar, LMD*, Paris, France, 21 February 2017
- Intensification of convective extremes driven by cloud-cloud interaction. *Seminar*, KNMI, de Bilt, the Netherlands, 17 January 2017
- Cloud and convection. *WIS-Minerva meeting*, Weizmann Institute of Science, Tel-Aviv, Israel, 5 September 2016
- Propagation of land-sea breezes. *Seminar*, U. Wageningen, the Netherlands, 11 April 2016
- Land-sea breezes in large-eddy simulations, convection-permitting and convection parameterizing simulations. *NICAM-ICON workshop*, Hamburg, Germany, 23 February 2016
- Land atmosphere interactions and the representation of convection. Research training day of Terrestrial Modeling Systems, Bonn, Germany, 23 October 2015

Surface effects, convective self-aggregation and climate. Group Seminar, Institute for

Atmospheric and Climate Science, Zurich, Switzerland, 17 August 2015

- Convection and land sea breeze. *CSU Department seminar*, Fort Collins, USA, 2 June 2015.
- Controls on and representation of land-atmosphere interactions across scales. U. Reading seminar, Reading, UK, 6 October 2014
- What determines the coupling strength between convection and the land surface? WCRP Grant challenges meeting, Ringberg, Germany, 24 March 2014
- What is consistency? COST final meeting, Toulouse, France, 18 March 2014
- Convective self-aggregation and climate. *Seminar, LMU*, Munich, Germany, 4 February 2014
- Convection over heterogeneous surfaces. *Seminar, Institute for Meteorology U. Hannover,* Hannover, Germany, 23 January 2014
- Does deep convection care about congestus clouds? *Seminar, LMD*, Paris, France, 16 January 2013
- Patterns and scale interactions in continental cumulus convection. *International workshop* on scales and patterns in the Earth System, Dresden, Germany, 7 November 2012
- Computergestütze Wettervorhersagen: wie wird das Wetter simuliert? *FINE network*, Hamburg, Germany, 25 October 2012
- Cheating with the convection scheme. 5th International workshop on cloud-resolving modeling, 14 June 2012
- How to trigger deep convective clouds? *MPI Institute seminar*, Hamburg, Germany, 14 February 2012
- How to trigger deep convective clouds? *Institute seminar, University of Utah*, Salt Lake City, USA, 16 December 2011
- Clouds and Convection. Fachsitzung Deutsche Meteorlogische Gesellschaft, Offenbach am Main, Germany, 15 June 2011
- Clouds and Convection. *HErZ kickoff meeting, German Weather Service*, Offenbach am Main, Germany, 28 March 2011
- From shallow to deep convection: A model and modeling perspective. *Seminar, Institute for Atmospheric and Climate Science*, Zurich, Switzerland, 7 February 2011
- Simulating atmospheric convection and its interactions with the environment. *Seminar, Max Planck Institute for Meteorology*, Hamburg, Germany, 28 October 2009
- Climate over the Alps. *PCC summer institute, Friday Harbor Laboratories*, San Juan Islands, WA, USA, 15 September 2009
- Cloud-resolving simulations: From weather towards climate. *Seminar, Institute of Physics* and Meteorology, University of Hohenheim, Stuttgart, Germany, 13 January 2009
- Cloud-resolving simulations: from weather towards climate. *Seminar, MeteoSwiss*, Zurich, Switzerland, 17 June 2008
- Dynamical analysis of atmospheric predictability in cloud-resolving models. *Alpine summer school*, Valsavarenche, Italy, 26 June 2007

Predictability in high-resolution numerical weather prediction models. *Colloquium Me-teoSwiss*, Zurich, Switzerland, 10 November 2005.

#### **Regular talks**

FESSTVaL. EMS annual meeting, online, 8 September 2021

- When the plants wilt...the rain comes. 2nd Pan-GASS conference, Lorne, Australia, 2 March 2018
- Regulation of the climate in coupled convection-permitting simulations. EGU General Assembly, Vienna, Austria, 24 April 2017
- S5: cloud and convective organization. *HD*(*CP*<sup>2</sup>) *General Meeting*, Munich, Germany, 13 February 2017
- The modulation of static heterogeneity by precipitation. 22nd Symposium on boundary layers and turbulence and 32nd Conference on agricultural and forest meteorology, Salt Lake City, USA, 21 June 2016
- Advancing the representation of convection across scales. *HErZ General Meeting*, Offenbach, Germany, 2 March 2016
- Coupled radiative convective equilibrium climate simulations with explicit and parameterized convection. *Understanding Cloud and Precipitation conference*, Berlin, Germany, 15 February 2016
- Advancing the representation of convection across scales. *HErZ General Meeting*, Offenbach, Germany, 22 April 2015
- Interactions between continental convection and mesoscale circulations across model resolutions. WWOSC conference, Montreal, Canada, 9 August 2014
- Multi-resolution analysis of land-atmosphere interactions. *7th international scientific conference on the global water and energy cycle*, The Hague, the Netherlands, 14 July 2014
- Cumulus congestus: along for the ride? *4th EUCLIPSE general assembly*, Hamburg, Germany, 11 June 2013
- From shallow to deep convection. HErZ workshop, Offenbach, 15 November 2012
- From shallow to deep convection. *30th conference on hurricanes and tropical meteorology*, Ponte Vedra Beach, Florida, USA, 19 April 2012
- Unifying entrainment formulation in shallow and deep convection. *COST meeting on entrainment and detrainment*, KNMI, De Bilt, the Netherlands, 23 February 2012
- Parameter estimation in convection parameterizations using LES. *MPI-FMI workshop on model development and parameter estimation*, Hamburg, Germany, 20 January 2012
- Preconditioning of convective storms by congestus clouds. *AGU fall meeting*, San Fransisco, 7 December 2011
- Simulating deep convection with a shallow convection scheme. *EGU General Assembly*, Vienna, Austria, 7 May 2010
- Deep convection and its parameterization with a shallow cumulus scheme. *Climate dynamics seminar, University of Washington*, Seattle, WA, USA, 18 February 2010

- Towards cloud-resolving regional climate simulations over the Alpine region. *Final symposium of NCCR Climate II, MeteoSwiss*, Zurich, Switzerland, 22 January 2009
- Climate simulations at cloud-resolving scales. *ALPS workshop*, Zurich, Switzerland, 21 January 2009
- Do we understand precipitation recycling? *Hydrology Seminar ETH Zurich*, Zurich, Switzerland, 18 November 2008
- Cloud-resolving climate simulations: Validation and process study. *COSMO workshop*, Zurich, Switzerland, 22 October 2008
- Results at cloud-resolving scales. ALPS workshop, Zurich, Switzerland, 26 June 2008
- Atmospheric predictability at synoptic versus cloud-resolving scales. EGU General Assembly, Vienna, Austria, 16 April 2008
- Climate simulation at cloud-resolving scales: First results. *ALPS workshop*, Zurich, Switzerland, 29 November 2007
- Cloud-resolving ensemble simulations of the August 2005 flood. *International Conf. on Alpine Meteorology*, Chambery, France, 8 June 2007
- Predictability of high-resolution QPF. COSMO workshop, Zurich, Switzerland, 24 May 2007
- Cloud-resolving ensemble simulations of the August 2005 Alpine flood. EGU General Assembly, Vienna, Austria, 19 April 2007
- The linearity trap. EGU General Assembly, Vienna, Austria, 3 April 2006
- Error growth in cloud-resolving models. 6th Int. SRNWP-Workshop on Non-Hydrostatic Modeling, Bad Orb, Germany, 1 November 2005
- Sensitivity of perturbation growth to flow characteristics and sampling strategy. International Conference on Alpine Meteorology and the Mesoscale Alpine Programme Meeting, Zadar, Croatia, 26 May 2005
- Dynamics of error growth and propagation in cloud-resolving models. *EGU General Assembly*, Vienna, Austria, 26 April 2005
- Comparison of cloud-resolving ensemble simulations using LM and MC2 simulations. *11th Conf. on Mountain Meteorology and the Mesoscale Alpine Programme Meeting*, Mt. Washington Valley, USA, 25 June 2004
- Predictability limitations on a meso-gamma-scale. *LM-User Workshop*, Langen, Germany, 8 March 2004.