



The Tropopause Region in a Changing Atmosphere

Newsletter

— ISSUE #02 SUMMER 2026 —

Hello and Welcome!

Welcome to the second TPChange Newsletter!

We've kicked off Phase II in great shape: nearly all positions are filled, our first Phase II Annual Meeting is in the books, and we've got plenty of meetings and workshops for the ECRs lined up in the rest of 2026. Looking ahead to 2027 — that's when we'll gather again for our second Annual Meeting and the aircraft missions related to TPChange will take place - stay tuned!

We'd love to hear from you: share your ideas, drop us your updates, and get involved with the community.

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Picture: C. Costard

Group picture at the TPChange Annual Meeting 2026 in Bad Dürkheim.

A look back on recent activities

ANNUAL MEETING



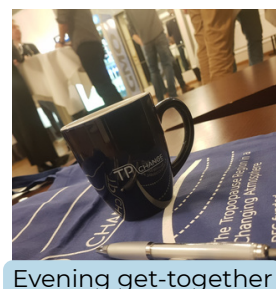
Welcome



Invited talk



Poster intro by (new) members



Evening get-together

Pictures: A. Müller, V. Bense

On March 9-12 our Annual Meeting took place at Kurparkhotel Bad Dürkheim. It was a kick-off meeting for the second phase of TPChange and we welcomed many new members.

A central part were the poster sessions where all TPChange projects showed the most important results from Phase I, as well as plans and first results for Phase II.

Our external guests **Christina Williamson**, **Peer Nowack** and **Peter Hitchcock** enriched the workshop with their presentations and discussions, and furthermore they discussed with the ECR about their experiences during their scientific career.

WORKSHOP - TIME AND CAREER MANAGEMENT FOR SCIENTISTS

by Alina Otto, Doctoral Candidate in Project B08

As part of the annual TPChange meeting in Bad Dürkheim, a two-day workshop on time and career management for scientists took place on March 11 and 12, 2026. It was led by external trainer Karin Bodewits from NaturalScience.Careers, who guided around 20 participants, mostly doctoral candidates from TPChange, through two intensive days.

We began by examining our goals, not just professionally, but across all areas of life. Using the SMART criteria, we learned how to make these goals concrete, prioritize them and actually write them down, rather than just carrying them around vaguely in our heads. Next, we focused on practical implementation in daily life: planning weekly and annual goals and aligning our daily schedules accordingly. This included identifying when we are most focused, productive or creative and learning how to strategically use those phases for the tasks best suited to them.

Another key topic was how to handle meetings. The trainer emphasized that time is precious, making it worthwhile to establish clear "ground rules": setting fixed time limits to prevent meetings from dragging on, and preparing an agenda in advance to ensure the time is used meaningfully. The session on career planning addressed how to actually achieve one's goals

for instance, by considering early on where you want to go and planning and pursuing your path accordingly. Networking was also discussed as a way to build contacts in your desired industry early on; it is important to consciously make time for this while still working on your doctorate.

Finally, we covered time tracking: recording how long specific tasks actually take in order to make future planning more realistic. As doctoral candidates, we are still relatively early in our journey, so gaining these insights was particularly valuable. It really drove home for me the importance of thinking about one's own goals and plans early on, rather than putting it off until "sometime later."

The open exchange among the participants was also particularly valuable, revealing that the challenges regarding time and career management are very similar across the various stages of the PhD and different locations.



LECTURE SERIES

In order to establish a common ground of knowledge about the tropopause region and the processes affecting it, TPChange offered an online lecture series to the (new) Early Career Researchers:

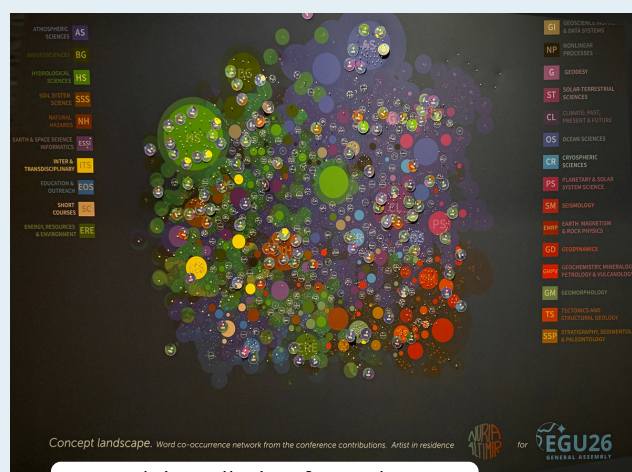
Date	Speaker	Topic
20 March	Peter Hoor, JGU Mainz	<i>Introduction to the UTLS</i>
24 March	Thomas Birner, LMU München	<i>Stratospheric Circulation</i>
1 April	Martina Krämer, JGU Mainz & FZ Jülich	<i>Ice Clouds</i>
10 April	Johannes Schneider, MPIC Mainz	<i>Atmospheric Aerosol</i>



EGU CONFERENCE REPORT

by David Wasserzier, Doctoral Candidate in project A05

The European Geosciences Union (EGU) Congress took place from the 3–8 May 2026. More than 21,000 scientists from all over the world came together at the congress centre in Vienna to share their recent research findings. The EGU covers many different geoscience-related fields. The most predominant fields were: Atmospheric Sciences, Biogeosciences, and Hydrological Sciences. The figure on the right shows an interactive art installation where visitors could place a pin on the map to show their affiliation. The map represented all the submitted abstracts, sorted by field. It can be seen here that atmospheric sciences is the largest contributor. This is also reflected in the geological challenges currently facing humanity due to climate change.



Artwork installation from the EGU

TPChange was strongly represented, with members contributing to multiple sessions which emphasized the importance of the work carried out by all the scientists contributing in TPChange. The exchange with fellow researchers from the field was particularly valuable in helping shape the direction of the upcoming work in the second phase of the project. The members of TPChange were involved in many interesting sessions featuring talks and scientific posters (see figure on the left), which sparked fruitful discussions and opened promising ideas for future collaborations. On the penultimate evening of the conference, the team gathered for dinner at “Zum Mogulhof”, where we enjoyed excellent Indian cuisine and had the opportunity to continue the discussions from the conference.



At the poster presentation site

OUTREACH

TPChange is visible in various outreach activities, some of which are listed below:

GIRLS' DAY 2026

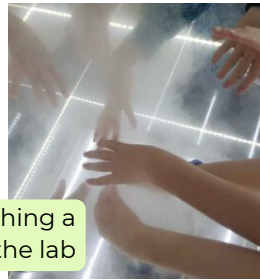
“What do you need for a weather forecast?”
– The institute for atmospheric physics at JGU Mainz and TPChange invited girls ages 10-12 to learn more about this question. We built and tested our own weather measurement devices and visited the institute's weather station.

Girls' Day is a nationwide day that allows girls from grade 5 onwards to explore STEM topics, degree programs, and careers.

Touching a cloud in the lab



Testing thermometers



Our own measurement devices

Pictures: V. Bense

TPCHANGE TEAM AT GOETHE RUN

A new TPChange activity was launched this summer: taking part in a run together! With perfectly sunny, but not too hot weather, the “Goethe run” on the 26th August 2026 was a great evening.

After getting ready with a short warm-up session the team started on the course that connects Campus Ginnheim with Campus Westend on 5,8 km or 11,6 km (extra lap). Afterwards all runners could enjoy food, drinks and music.

Thank you to everybody who was a part of this!



Picture: P. Hoor

TPCHANGE AT THE MAINZER WISSENSCHAFTSMARKT

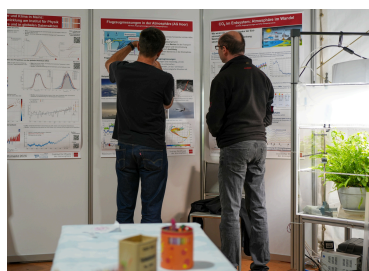
TPChange was a partner of the Mainzer Wissenschaftsmarkt 2026 taking place September 12 and 13.

Colleagues from the institute of atmospheric physics and TPChange informed the visitors on

CO₂ – small molecule, big effect:

From watching the plant uptake of CO₂ live in the experiment to the physical connection of CO₂ increase to global warming and to the importance of UTLS research in TPChange.

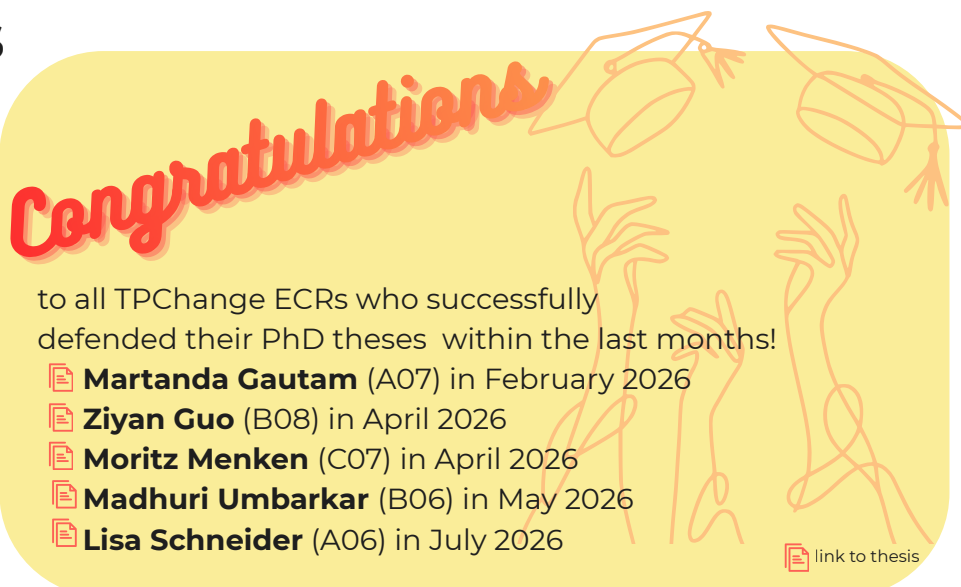
Younger visitors were attracted by the possibility to taste a (sugar) cloud!



Pictures: N. Zhang, V. Bense

GRADUATIONS

Five more TPChange PhD candidates have finished their dissertation since our last newsletter:



to all TPChange ECRs who successfully defended their PhD theses within the last months!

📄 **Martanda Gautam** (A07) in February 2026

📄 **Ziyao Guo** (B08) in April 2026

📄 **Moritz Menken** (C07) in April 2026

📄 **Madhuri Umbarkar** (B06) in May 2026

📄 **Lisa Schneider** (A06) in July 2026

📄 [link to thesis](#)

INTRODUCTION OF TPCHANGE COMMITTEES

During the Annual Meeting 2026 the following committees were formed:

ECR Representatives



Anna Breuning, Martanda Gautam and Franziska Trinkl will represent the interests of the TPChange Early Career Researchers (ECRs). They send a deputy as a full member to the meetings of the Scientific Steering Group and are points of contact for all ECRs and the TPChange management.

Equity and Diversity Committee

The Equity and Diversity (ED) Committee plans and executes measures to promote ED and unites perspectives from project leaders, Early Career Researchers and TPChange coordination. It decides on requests for ED measures and reports back to the Scientific Steering Group and the General Assembly.

The ED is represented by Hella Garny, Marius Levin Thomas, Amelie Mayer, Laura Tomsche, Vera Bense and Aurelia Müller



ECR Ombudspersons

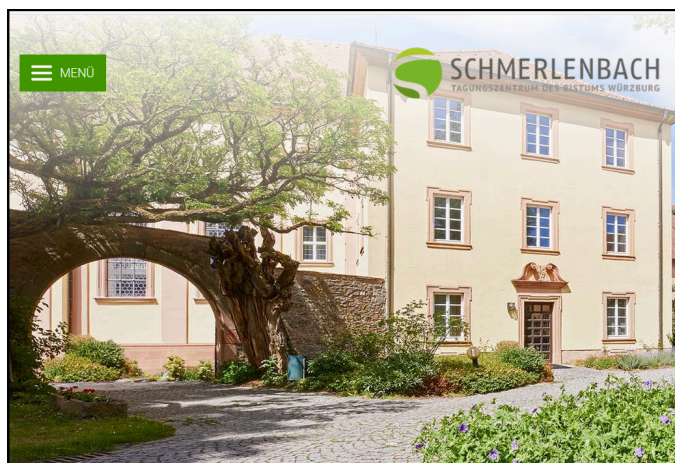


In case they have a question or a conflict and need a neutral and discreet point of contact TPChange ECR can reach out to the ombudspersons Martina Kramer and Heiko Bozem. Both Martina and Heiko are connected to TPChange and know the atmospheric science community, but are not active project leaders for TPChange at the moment.

Upcoming

We are looking forward to

SUMMER SCHOOL



On September 20-25 our Summer School will take place nearby Aschaffenburg, at the [Tagungszentrum Schmerlenbach](#).

The event offers a dynamic blend of lectures by experts from the TPChange community and hands-on project work to foster critical thinking and, collaborative research. Getting to know each other among the participating Early Career Researchers is another goal.

ECR TRAINING:

PROPOSAL WRITING

November 11-12, Online, link on request:

Paid to research: How to prepare successful funding applications.

This course is for TPChange Postdocs and advanced PhD students. The seminar supports participants in learning how to adequately prepare their own successful applications for scholarships, travel grants and research funding (both in Germany and beyond).

By Prof. Matteo Garavoglia.

<https://tpchange.de/event/ecr-course-course-on-proposal-writing/>



ACADEMIC PRESENTATION TRAINING

December 10-11, Akademie der Wissenschaften Mainz

This is a course for the TPChange ECR on the aspects of a successful presentation, both oral and poster presentation. Trainer Julie Stearns will teach how to structure your presentation effectively, how to engage the listener in your talk and how to bring your message across. Managing questions&answers as well as voice and body language will be further topics. The participants will be able to decide which aspects will be focused on dependend on their individual needs.

<https://tpchange.de/event/ecr-academic-presentation-training/>



Upcoming

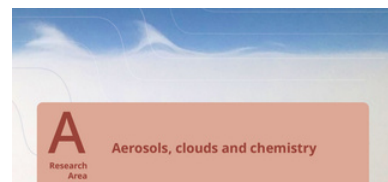
We are looking forward to

RESEARCH AREA MEETINGS

In September and Oktober the members of TPChange Research Areas meet to discuss project updates, collaborations and joint publications.

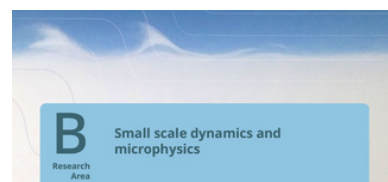
RESEARCH AREA A MEETING

29 September at Institut für Atmosphäre und Umwelt, Goethe-Universität Frankfurt



RESEARCH AREA B MEETING:

16 September Institut für Atmosphäre und Umwelt, Goethe-Universität Frankfurt



RESEARCH AREA C MEETING

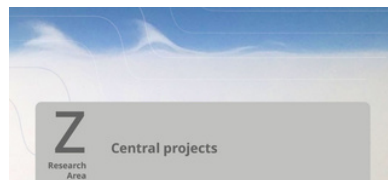
1 October Institut für Atmosphäre und Umwelt, Goethe-Universität Frankfurt



MEETING OF PROJECT Z03

17 September Online

Z03: Joint model development and modelling synthesis



PREVIEW TO NEXT YEAR:

ANNUAL MEETING 2027

On February 16-19 2027 our next Annual Meeting will take place, again at the Kurparkhotel Bad Dürkheim. First results will be shown as well as strategies for the future will be discussed.



We have hired Prof. Heather Hofmeister for a talk and workshop on communicational aspects within TPChange, and Amanda Habbershaw for a course on Scientific Writing for the ECRs.



NEW TPCHANGE MEMBERS INTRODUCE THEMSELVES

We are glad that TPChange has been able to fill nearly all positions. Eight new colleagues have already introduced themselves in our last newsletter. In the 'HELLO' boxes on the following pages you can get to know eight more new colleagues. The remaining new colleagues will be introduced in the next newsletter to be published in spring 2027.

Hello everyone,

I am

Deeksha,

and I recently

joined as a

PostDoc in Phase II

of the TPChange

Project (A04) in the

AerosolChemistry Department

at the Max Planck Institute for Chemistry (MPIC), Mainz.

Growing up, I was always curious about the natural world around me, and that curiosity led me to pursue a Master's in Environmental Sciences in India. To delve deeper into this research area, I moved to Germany and pursued my Ph.D. in Atmospheric Chemistry at Helmholtz Munich, with an affiliation to the University of Rostock. My Ph.D. research focused on the atmospheric transformation of organic vapors from combustion emissions and their role in secondary particle formation.

Currently, as a PostDoc at MPIC, I aim to utilize mass spectrometer data from past and upcoming aircraft-based measurements to investigate aerosol composition in the UTLS and improve our understanding of aerosol properties, sources and transport pathways. Beyond research, I love long, uninterrupted walks in nature, noticing small, lovely things around me. To keep myself creatively fulfilled, I enjoy immersing myself in literary fiction and cinema.

I am really excited to be part of the TPChange scientific community and look forward to contributing, learning and growing through scientific exchange.



Hi there,

my name is

Mara

and I am

a PhD

student

at the

University

of Mainz. I joined the group of Atmospheric Trace Gases in April 2024 and have been working as part of TPChange Phase II since the beginning of this year.

I studied Applied Geosciences at TU Darmstadt, where I developed a strong interest in atmospheric processes and climate-related topics. In my PhD, I focus on airborne humidity observations, investigating measurements from different hygrometers and comparing them with each other as well as with ICON model data. My research aims to better understand and evaluate humidity measurements in the upper troposphere, with a particular focus on their relevance for contrail formation and aviation climate impact.

Outside of research, I enjoy travelling and exploring new places around the world. I also like being active, especially gymnastics, and spending time outdoors—whether hiking, diving or camping.

I'm excited to be part of TPChange Phase II and look forward to the upcoming project activities!"



NEW TPCHANGE MEMBERS INTRODUCE THEMSELVES

Continued...

Hi,

my name is

Nasrul

I recently joined TPChange Phase II as a PhD candidate in the group of Prof. Alex

Vogel at the Institute for Atmospheric and Environmental Sciences, Goethe University Frankfurt.

My research journey began in Indonesia, where I completed my BSc in Environmental Infrastructure Engineering at the Bandung Institute of Technology, Indonesia. I then moved to Sweden for my MSc in Environmental Science at the University of Gothenburg, where my thesis focused on measuring alkali-containing particles in Gothenburg using a Surface Ionization Detector (SID). This work sparked my interest in aerosol measurement techniques and laid the foundation for my current research in atmospheric particle characterisation.

For my PhD within project A04, I am investigating the role of jet engine lubrication oil particles in contrail and cirrus cloud formation. Using online high-resolution mass spectrometry, I study the molecular composition of lubrication oil aerosol in real time. Combined with an oxidation flow reactor and the ice nucleating particle counter, I aim to understand how photochemical aging of these particles influences their ability to form ice which is a key process in aviation-induced cirrus clouds and their climate impact.

Outside of research, I enjoy cooking, traveling, and staying connected with friends.

I am excited to contribute to TPChange's mission of better understanding the tropopause region and its role in our changing climate.



Hi there,

I'm **Franziska,**

and started in March as a PhD student in project CO2 at the Institute for

Atmospheric and Environmental Sciences at Goethe University Frankfurt. There we conduct regular launches of AirCores to retrieve profiles of CO₂, CH₄, and CO up to an altitude of 30 km. Our aim is to contribute to the experimental understanding of stratospheric circulation and to provide mean age analysis based on our CO₂ in-situ data in comparison to satellite observations. Furthermore, we want to learn more about what impact the fractional release of CH₄ has on water vapour in the UTLS.

My fascination for the atmosphere took root during my physics undergraduate studies at the University of Augsburg and my thesis at DLR on identifying breaking Rossby waves. In Karlsruhe I finished my master's degrees in physics and meteorology and did my thesis on the Asian Summer Monsoon outflow with GLORIA measurements from the PHILEAS campaign. During my time at KIT, I was part of the ASCCI campaign, which is how some of you may already know me. Now I'm really excited to continue my academic journey in the in-situ world, and to do so with you all as part of TPChange.



TPChange Publications in 2026

(First authors: TPChange or associated members)

Science Highlight:

Congratulations to Hannah Bergner and Peter Spichtinger
Their publication is a featured article and got a **Scilight** article:

Bergner, H. and P. Spichtinger (Apr. 2026): Ice clouds as nonlinear oscillators. *Chaos: An Interdisciplinary Journal of Nonlinear Science* 36 (4), 043115. doi: [10.1063/5.0297531](https://doi.org/10.1063/5.0297531). Featured Article. [scilight](https://scilight.org).

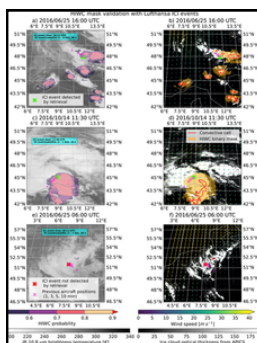
A Scilight emphasizes the significance of the related paper and gives some more insight into the research:

[Modeling ice-clouds-as-nonlinear-oscillators](#) by Avery Thompson

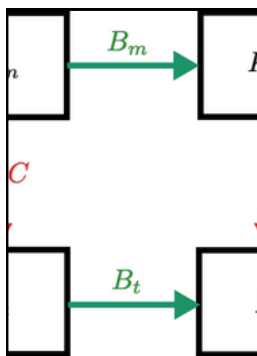


More Publications:

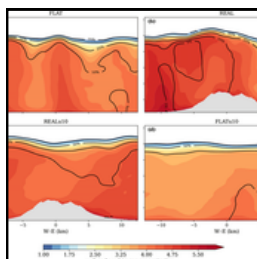
Alladi, H. K., J. Quimbayo-Duarte, L. Bugliaro, J. Mayer, S. Singh, and J. Schmidli (2026): Evaluating turbulent and microphysical schemes in ICON for deep convection over the Alps: a case study of vertical transport and model-observation comparison. *Atmospheric Chemistry and Physics* 26 (12), 8617–8635. doi: [10.5194/acp-26-8617-2026](https://doi.org/10.5194/acp-26-8617-2026).



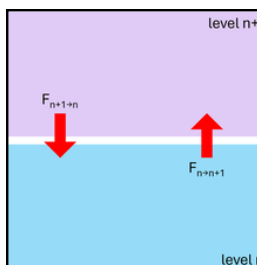
Banerjee, T., Y. H. Kim, G. S. Voelker, S. Borchert, A. Kosareva, D. Kunkel, G. T. Masur, Z. Prochazkova, J. Schmidli, and U. Achatz (2026): The Impact of Non-Orographic Gravity Waves on Transport and Mixing: Effects of Oblique Propagation and Coupling to Turbulence. *Journal of Geophysical Research: Atmospheres* 131(6), e2025JD045270. doi: <https://doi.org/10.1029/2025JD045270>.



Basic, I., H. Jadhav, J. Singh, and J. Schmidli (2026): Impact of small-scale orography on deep boundary layer evolution and structure over the Tibetan Plateau. *Atmospheric Chemistry and Physics* 26 (3), 2007–2025. doi: [10.5194/acp-26-2007-2026](https://doi.org/10.5194/acp-26-2007-2026).



Chau, C. H., P. Hoor, K. Kaiser, and H. Tost (2026): Parametrizing the mixing by clear air turbulence in the chemistry climate model EMAC and its respective radiative impact. *Atmospheric Chemistry and Physics* 26 (5), 3637–3652. doi: [10.5194/acp-26-3637-2026](https://doi.org/10.5194/acp-26-3637-2026)



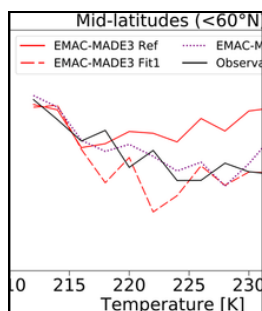
Hello everyone,
I am **Basudev**

a postdoctoral researcher at Goethe University Frankfurt, where I am associated with Project C06. My research focuses on atmospheric aerosol modelling and aerosol-cloud-climate interactions, combining atmospheric models with satellite observations to understand how aerosols are transported and transformed in the atmosphere and how they influence clouds, precipitation, air quality, and climate. My current research uses the EMAC chemistry-climate model to investigate upper-tropospheric aerosol processes and their influence on aerosol distributions throughout the troposphere.

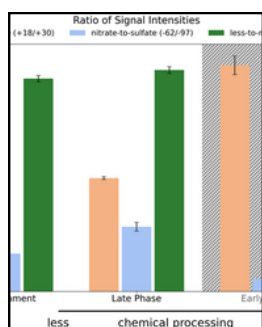


continued: **Publications within 2026**

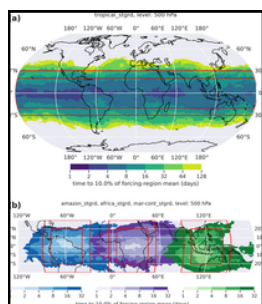
De La Torre Castro, E., C. G. Beer, T. Jurkat-Witschas, D. Sauer, M. Righi, J. Hendricks, and C. Voigt (2026): A combined observational and modelling approach to evaluate aerosol-cirrus interactions at high and mid-latitudes. *Atmospheric Chemistry and Physics* 26 (9), 5879–5899. doi: [10.5194/acp-26-5879-2026](https://doi.org/10.5194/acp-26-5879-2026).



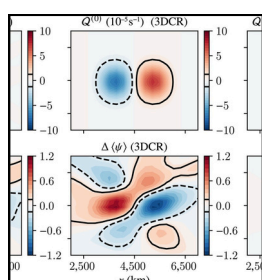
Ekinci, F., O. Eppers, O. Appel, F. Ploeger, A. Dragoneas, S. Molleker, P. Brauner, H.-C. Lachnitt, F. Weyland, L. Ort, N. Emig, H.-C. Clemen, L. Tomsche, M. Ebert, P. Hoor, B. Vogel, Y. Cheng, J. Schneider, S. Borrmann, and F. Köllner (2026): Enhancement of ammonium nitrate aerosol in the Northern Hemisphere lower stratosphere linked to Asian summer monsoon outflow. *Atmospheric Chemistry and Physics* 26 (14), 10399–10421. doi: [10.5194/acp-26-10399-2026](https://doi.org/10.5194/acp-26-10399-2026).



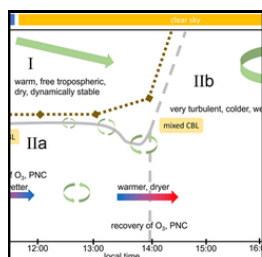
Hernández Pardo, L., J. Curtius, P. Jöckel, J. M. Menken, C. Pöhlker, M. Pöhlker, and A. Possner (2026): Downward transport of tropical upper-tropospheric aerosols: multi-year insights from idealized simulations. *Atmospheric Chemistry and Physics* 26 (17), 12275–12293. doi: [10.5194/acp-26-12275-2026](https://doi.org/10.5194/acp-26-12275-2026).



Knop, I., S. Dolaptchiev, and U. Achatz (2026): Impact of small-scale gravity waves on tracer transport. *Quarterly Journal of the Royal Meteorological Society* 152 (776), e70091. doi: <https://doi.org/10.1002/qj.70091>.



Moormann, L., F. Fachinger, F. Drewnick, and H. Tost (2026b): Boundary layer dynamics after rain fronts: high-resolution reconstruction and model validation using ground- and drone-based measurements. *Atmospheric Chemistry and Physics* 26 (12), 8455–8474. doi: [10.5194/acp-26-8455-2026](https://doi.org/10.5194/acp-26-8455-2026).



Hi there,

I'm **Sarah**,

and I joined TPChange

as a PhD in project A03 in mid-June.

After completing both my Bachelor's and Master's degrees in meteorology at Johannes Gutenberg University in Mainz, I look forward to continuing my academic journey here as part of TPChange.

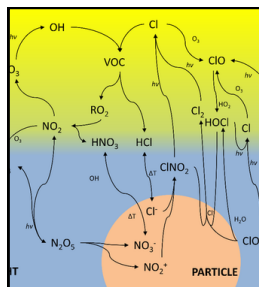
Throughout my studies, I felt particularly drawn to atmospheric chemistry, which eventually became the focus of my Master's thesis.

Using box-model simulations, I analyzed how ammonia oxidation affects the tropospheric ozone and NOx budgets, as well as the atmospheric lifetime of methane.

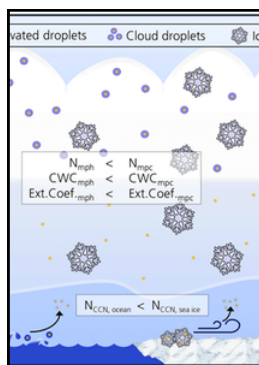
Within the second phase of TPChange, my research will focus on new particle formation in the upper troposphere over the Amazon region. More specifically, I will investigate the role of isoprene and its oxidation products as precursor gases with the help of MECO(n) simulations.

continued: **Publications within 2026**

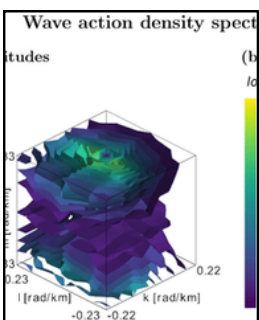
Moormann, L., J. N. Crowley, F. Fachinger, and F. Drewnick (2026a): Quantification, diel variation and photochemistry of inorganic chlorine trace gases in continental Germany. *Environmental Science: Atmospheres* 6 (4), 579–594, doi: [10.1039/D5EA00142K](https://doi.org/10.1039/D5EA00142K)



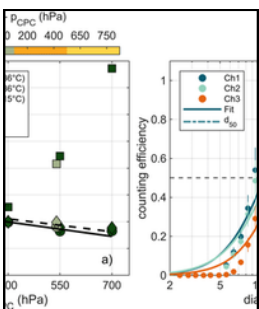
Moser, M., C. Voigt, O. Eppers, J. Lucke, E. De La Torre Castro, J. Mayer, R. Dupuy, G. Mioche, O. Jourdan, H.-C. Clemen, J. Schneider, P. Joppe, S. Mertes, B. Wetzel, S. Borrmann, M. Klingebiel, M. Mech, C. Lüpkes, S. Crewell, A. Ehrlich, A. Herber, and M. Wendisch (2026): The Arctic Low-Level Mixed-Phase Haze Regime and its Microphysical Differences to Mixed-Phase Clouds. *Atmospheric Chemistry and Physics* 26 (3), 1867–1887. doi: [10.5194/acp-26-1867-2026](https://doi.org/10.5194/acp-26-1867-2026).



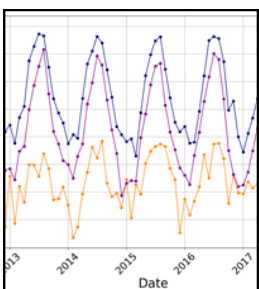
Procházková, Z., E. Mahmoudi, R. Chew, **S. Dolaptchiev,** C. C. Stephan, G. S. Völker, and **U. Achatz** (2026): Variability of local gravity wave spectra from data of a high-resolution icosahedral-grid global model. *Atmospheric Chemistry and Physics* 26 (13), 9541–9558. doi: [10.5194/acp-26-9541-2026](https://doi.org/10.5194/acp-26-9541-2026).



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Hi,

my name is

Dominik

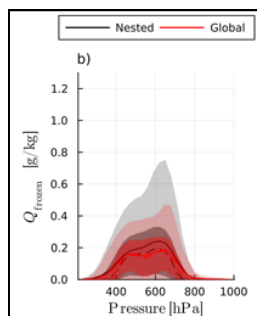
and I started my PhD as part of TPChange phase 2 in group C07.

I grew up in Regensburg and I studied Physics plus Meteorology at the Ludwig-Maximilians-University in Munich (LMU). My Bachelor Thesis revolved around a linear feedback model of the annular mode using already performed runs with the ICON model. After that I continued at the LMU with my Master studies in Meteorology. During my Master Thesis I worked in the group of Prof. Dr. Thomas Birner on the impact of a tropopause inversion layer on baroclinic wave lifecycles. For this purpose, I performed model runs with the ISCA model and built different initial state setups with and without a Tropopause Inversion Layer, that cause a baroclinic unstable atmosphere in the mid latitudes. For my PhD at the German Aerospace Centre (DLR) I try to extend my knowledge to chemical processes in the atmosphere and therefore to Earth System Modelling. In group C07I will work on controlling factors of oxidants in the UTLS with a focus on NOx production from lightning.

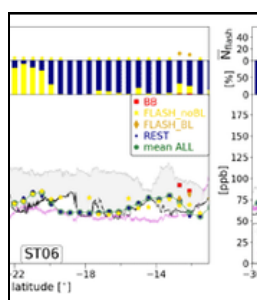


continued: **Publications within 2026**

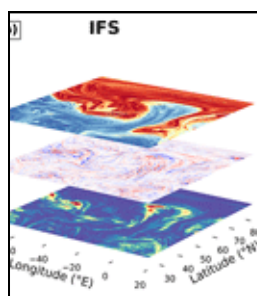
Schwenk, C. and A. Miltenberger (2026): Effects of model grid spacing for warm conveyor belt (WCB) moisture transport into the upper troposphere and lower stratosphere (UTLS) – Part 1: Lagrangian perspective. *Atmospheric Chemistry and Physics* 26 (10), 7435–7462. doi: [10.5194/acp-26-7435-2026](https://doi.org/10.5194/acp-26-7435-2026).



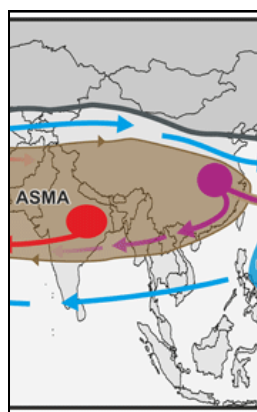
Smoydzin, L., **V. Bense**, H. Bozem, **P. Joppe**, **D. Kunkel**, **H.-C. Lachnitt**, **H. Tost**, A. Zahn, H. Ziereis, M. Riese, and **P. Hoor** (2026): Impact of South American biomass burning emissions on elevated South Atlantic upper tropospheric ozone. *Atmospheric Chemistry and Physics* 26 (16), 11857–11874. doi: [10.5194/acp-26-11857-2026](https://doi.org/10.5194/acp-26-11857-2026).



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Vogel, B., V. Lauther, **F. Köllner**, F. Ekinci, **C. Rolf**, ..., C. M. Volk, **S. Borrmann**, A. Dragoneas, **O. Eppers**, S. Molleker, **P. Hoor**, L. Ort, F. Weyland, A. Zahn, ... O. Kachula, R. Müller, **F. Ploeger**, and M. Riese (2026): Continental and marine source regions contributing to the outflow of the Asian summer monsoon anticyclone during the PHILEAS campaign in summer 2023. *Atmospheric Chemistry and Physics* 26 (9), 6283–6319. doi: [10.5194/acp-26-6283-2026](https://doi.org/10.5194/acp-26-6283-2026)



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Hi!

I'm **Gonzalo**, and I just started my PhD at the Johannes Gutenberg University Mainz, joining TPChange Project C01.

I'm a Spanish physicist with a Masters in remote sensing, both studied at the University of Valencia, where I also worked as a research assistant for two years prior to my Master. During these, my theses consisted on studying black hole and worm hole simulations for my bachelor's and the setup of a dual multispectral all sky camera system for aerosol measurements for my Master's, so I'm pretty much all over the place. Continuing in this fashion, for my PhD, I'll be working on the fractal properties of ice super saturated regions (ISSR) in the UTLS using the ERA5 dataset, where I hope to bring some new ideas and points of view as to the kind of classification fractal properties can provide about ISSRs. Other than my studies, I enjoy skateboarding, drumless hip hop and love cats.

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Upcoming Events

- Summer School 20-25 September 2026
- Research Area Meetings: September/October 2026
- ECR Course on Proposal Writing 11-12 November 2026
- ECR Academic Presentation Training
- Annual Meeting: 16-18 February 2027
- ECR Course on Scientific Writing: 18-19 February 2027

Our thanks go out to everyone who contributed to this newsletter!

We invite you to contribute ideas, share updates on publications or other activities in the next issues!

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