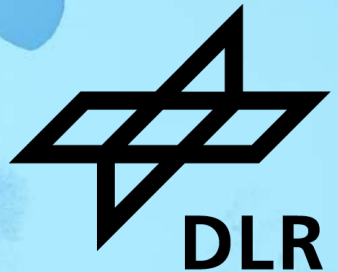


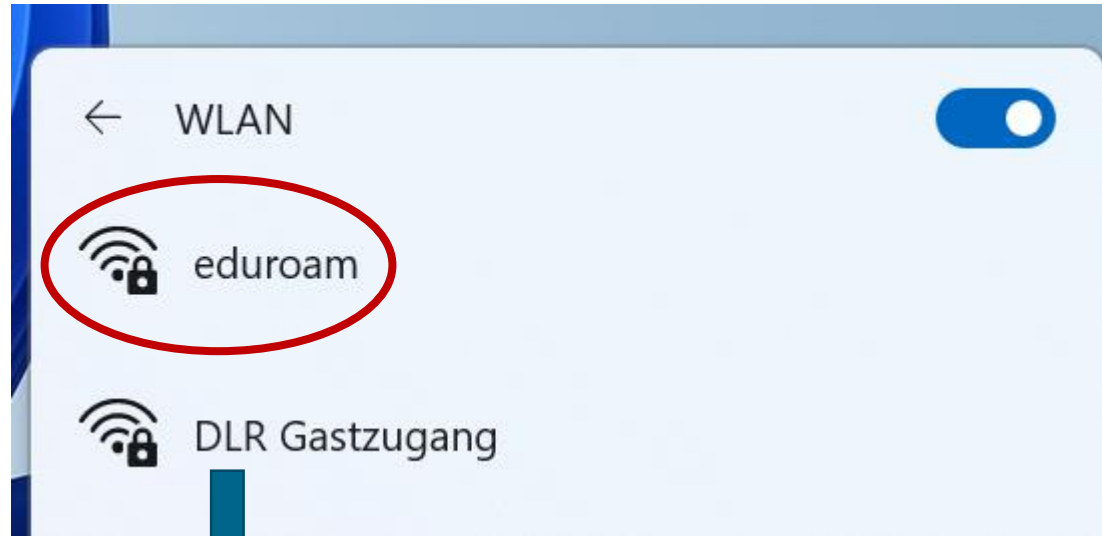


WELCOME!

MESSy Symposium 2025

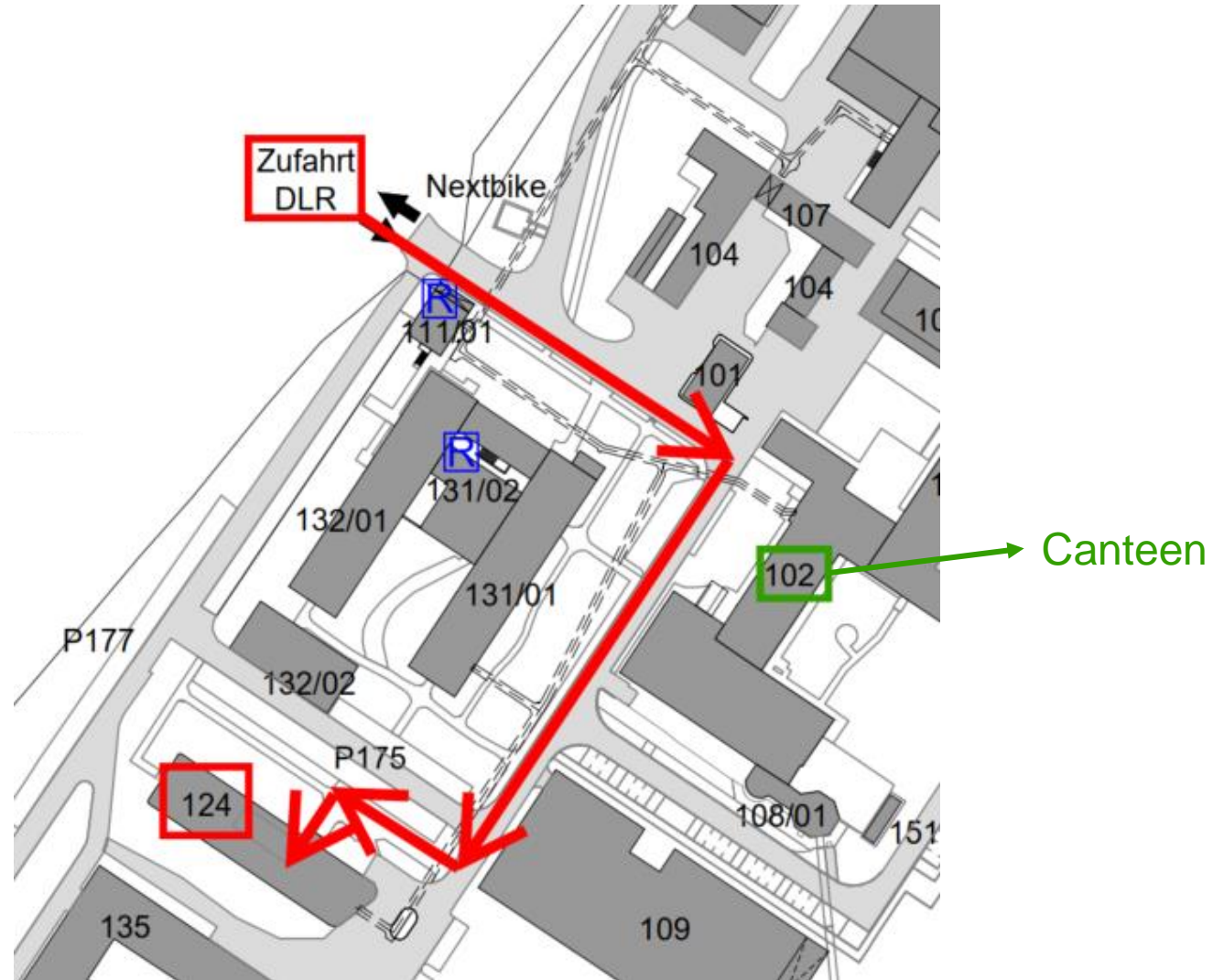


Wifi Access



PW: DjSBx+HtNR!E

Where to go?



When is what?



Tuesday, 24 June 2025

13:00 - 14:00 **Registration** →

14:00 - 15:30 **Session 1** (chair: Bastian Kern)
Patrick Jöckel, DLR, Welcome, current status, and future perspectives of MESSy
Astrid Kerkweg, FZJ, Coupling MESSy via ComIn to ICON: a status report
Mariano Mertens, DLR, Effects of Ambient Air Pollution on human health and vegetation in a changing climate

15:30 - 16:15 Coffee

16:15 - 17:45 **Poster Session 1** →

Ab 19:00 Conference dinner at **Post Weßling** →

- ✓ Did you sign the **attendance list**?
- In case you join the dinner tomorrow:
- ✓ Did you choose your **dinner dish**?
- Please do that now!!!

In case you are presenting a **poster** today:

- ✓ Did you **hang it up**? And please **take it down** during the lunch break tomorrow

If you want to walk with us, we leave at **18:15**



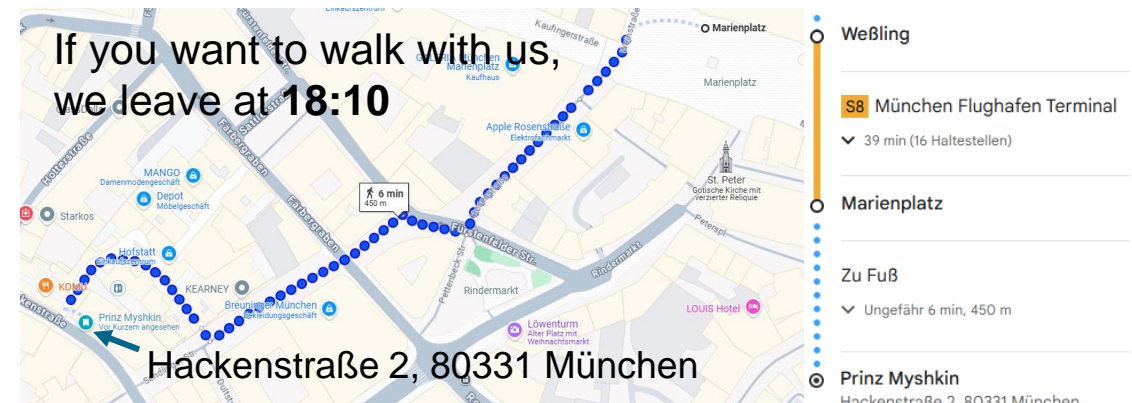
When is what?



Wednesday, 25 June 2025

- 09:00 - 10:30 **Session 2** (chair: Astrid Kerkweg)
Markus Kunze, IAP, Evaluation of solar impacts with UA-ICON
Dario Sperber, DLR, CHIPS with DIPS - A tasty submodel for more ice supersaturation
Bastian Kern, DLR, Lagrangian Trajectories and Atmospheric Dispersion Modelling in ICON
Holger Tost, JGU, Analysis of the convective contribution to a sampled airmass
- 10:30 - 11:00 Coffee + **group picture**
- 11:00 - 12:30 **Session 3** (chair: Adrienne Jeske)
Robert Eerenstein, FZJ, Water vapor Variability in Climate Simulations due to the Integration of Lagrangian Modelling
Robert Reisch, FZJ, Modeling Climate Impacts of a Future Hydrogen Economy
Hoang Duong Do, FZJ, Modelling aerosol chamber experiments with kinetic gas-to-particle partitioning by MESSy DWARF
Samuel Ruhl, MPIC, Atmospheric DMS chemistry and the availability of MSA for a potential NPF mechanism: A global model study
- 12:30 - 13:30 **Lunch**
- 13:30 - 15:00 **Tutorial Session**
Patrick Jöckel, DLR, Introduction to cmake, upcoming changes and FAQ
- 15:00 - 15:45 Coffee
- 15:45 - 17:15 **Session 4** (chair: Patrick Peter)
Kerstin Hartung, DLR, Towards dynamic adaptive mesh refinement in MESSy
Anna Martin, MPIC, H₂ and CH₄ soil sinks: Combination of JSBACH and BIODEP
Susanne Scholz, FZJ, Unraveling the SOA formation from internal combustion engines: Sensitivity to IVOC emissions, chemistry & removal processes
Xurong Wang, FZJ, Quantifying driving factors for long-term trend of aerosol acidity
- 17:15 - 17:45 **Discussion**
- Ab 19:30 Conference dinner at **Prinz Myshkin in the city center**

- ✓ Don't forget **cash** for the canteen!
- ✓ You can only pay at the **right register** with cash (no card payment!)
- ✓ All externals can follow either Kerstin or Anna for **reserved seats** (not enough for everybody)
- ✓ You will need the **current version of MESSy** (Patrick can provide a zip-file)
- ✓ And of course your **laptop** (please charged)!



When is what?



Thursday, 26 June 2025

09:00 - 10:30 **Poster Session 2**

10:30 - 11:00 Coffee

11:00 - 12:30 **Session 5** (chair: Timo Kirfel)

Matthias Kohl, MPIC, Setup for atmospheric aerosols from the surface to the stratosphere (WA) –
Implementation, Evaluation and Global Budgets

Adrienne Jeske, JGU, Mainz convective transport and scavenging: A new parameterization

Simon Rosanka, FZJ, The impact of dissolved iron on atmospheric multiphase oxidation

Patrick Jöckel, DLR, Final remarks

12:30 – 13:00 **Goodbye**

✓ **Hang up** your poster on Wednesday

✓ For everybody who wants, we will order **pizza**

✓ Bring **cash** for the pizza

✓ Please give back you **name batch**

✓ Please **upload** your **poster** (same link as for slide decks)

Talks



- 15 min talk + 5 min questions
- Upload your slides here:

