



# natESM Community Workshop 2025

18.-19.02.2025 ▪ Hotel Aquino ▪ Hannoversche Str. 5B ▪ 10115 Berlin

## Day 1 ▪ 18.02.2025

09:30 Arrival and registration

### Introduction

10:00 **Reflections and future directions**  
Anja Schmidt (DLR-PA, LMU), Jochem Marotzke (MPI-M)

### Sprint achievements and learnings

10:40 **CLEO sprint**  
Clara Bayley (MPI-M)

11:00 **IQ sprint**  
Julia Nabel (MPI-BGC)

11:20 **C o f f e e b r e a k**

11:50 **modLSMcouple sprint**  
Stefan Poll (FZJ)

12:20 **L u n c h b r e a k**

14:00 --- **Keynote 1**

**How AI is revolutionizing climate modeling**  
Nikolay Koldunov (AWI)

14:45 **Using well-defined interfaces to improve ESM**  
Florian Prill (DWD) steps in for Hendryk Bockelmann (DKRZ)

15:00 **Discussion in BreakOut Groups**

#### GROUP 1

**Land component with focus on "Feedback"**  
Stefan Kollet (FZJ), Sönke Zaehle (MPI-BGC), Sabine Attinger (UFZ)

#### GROUP 2

**YAC, ComIn, and beyond --- what do you need from natESM?**  
F. Prill (DWD), M. Hanke (DKRZ), K. Hartung (DLR), N. Dreier (DKRZ)

From 18:00 **I c e b r e a k e r**

18:30 **D i n n e r**

**Informal discussions and networking**

## Day 2 ▪ 19.02.2025

08:30 Arrival

09:00 --- **Keynote 2**

**Toward a new dynamical core for the ICON atmosphere!**  
Peter Korn (MPI-M)

10:00 --- **One hour to shape tomorrow**

#### GROUP 1

**Land feedback and impact modeling**  
Sabine Attinger (UFZ), Stefan Kollet (FZJ), Sönke Zaehle (MPI-BGC)

#### GROUP 2

**Unified atmospheric chemistry & aerosol modeling**  
Ina Tegen (TROPOS), Corinna Hoose (KIT), Anja Schmidt (DLR-PA, LMU)

11:00 **C o f f e e b r e a k**

11:30 **Outcomes of discussions**

- Florian Prill (DWD)
- Stefan Kollet (FZJ) + Sönke Zaehle (MPI-BGC)
- Sabine Attinger (UFZ)
- Corinna Hoose (KIT)

Followed by **plenary discussion** of workshop results

12:30 **Summary and outlook**

**Summary of workshop results**  
Jochem Marotzke (MPI-M), Anja Schmidt (DLR-PA, LMU)

13:00 **E n d o f w o r k s h o p**



**Sprint-check applications can be submitted at any time!**

Don't hesitate to contact us at  
[support-request@nat-esm.de](mailto:support-request@nat-esm.de)