



# 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 **LAGOOn-sprint**  
Lars Hoffmann (FZJ) Cancelled due to illness ☹️

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)

12:10 **CLEO sprint**  
Clara Bayley (MPI-M)

12:30 **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

- Hendryk Bockelmann (DKRZ)
- 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)