



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 **Welcome from BMBF**

Pia Seidel (tbc)

10:10 **Reflections and future directions**

Jochem Marotzke (MPI-M)

Sprint achievements and learnings

10:40 **LAGOOn sprint**

Felix Plöger (FZJ JSC)

11:00 **IQ sprint**

Julia Nabel (MPI-BGC)

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

11:50 **modLSMcoup 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**

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?

Hendryk Bockelmann (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)
- Ina Tegen (TROPOS)

Followed by **plenary discussion** of workshop results

12:30 **Summary and outlook**

Summary of workshop results

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