

# hpc4climate Summer School 2025

The hpc4climate Summer School 2025 wants to demonstrate the appeal of applying High-Performance Computing methods in the field of Earth System sciences, and will do so through using a series of lectures and hands-on exercises to directly address problems related to climate simulations. The program is aimed at Master and early-PhD students in Computer Science, Data Science, Techno-mathematics, Applied Mathematics, as well as students from Meteorology and Climate science with programming skills and an interest in Scientific Computing.

The team of exceptional lecturers and keynote speakers will guide the participants in exploring the fundamentals of climate science and the application of high-performance computing and software engineering, data science, and heterogeneous computing in climate modelling. Through practical exercises, students will gain firsthand experience working with the ICON climate model.

All details on the school, including the conditions for registration, can be found on the school's website: <https://hpc4climate2025.org/>

This Summer School is organised jointly by two projects: the German BMBF project [WarmWorld](#) and the EuroHPC JU CoE [ESiWACE3](#).

The poster features a background image of Earth from space, showing clouds and landmasses. In the top left, a blue pill-shaped box contains the text 'WarmWorld - ESiWACE3'. The main title 'hpc4climate' is in large white font, with 'Summer School' below it in a smaller blue font. To the right, a QR code is displayed above the text 'For details and contacts: www.hpc4climate2025.org'. At the bottom left, a location pin icon is next to 'Lauenburg, Germany', and a calendar icon is next to '28 July - 7 August 2025'. The bottom right corner contains several logos: 'WARM WORLD' (a stylized sun), 'MAX PLANCK GESELLSCHAFT' (the Max Planck Society logo), 'ESiWACE' (a stylized 'e' logo), and the 'Bundesministerium für Bildung und Forschung' (German Federal Ministry of Education and Research) logo.

WarmWorld - ESiWACE3

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## Summer School

For details and contacts:  
[www.hpc4climate2025.org](https://www.hpc4climate2025.org)

Lauenburg, Germany

28 July - 7 August 2025

WARM WORLD

MAX PLANCK GESELLSCHAFT

ESiWACE

Bundesministerium für Bildung und Forschung