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 Meterology 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.