Third JUQUEEN Porting and Tuning Workshop

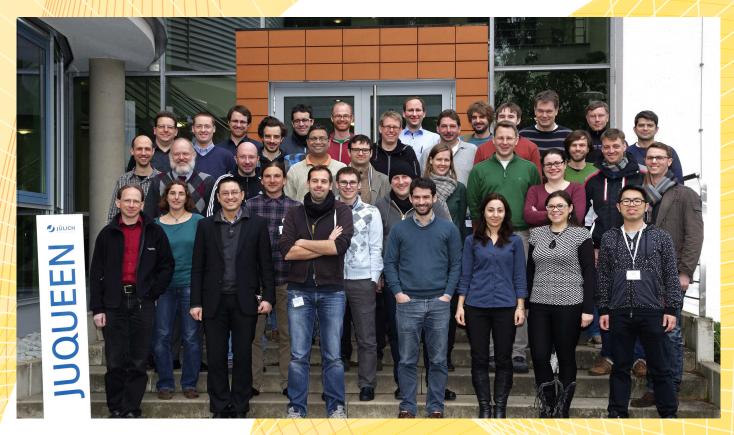


Figure 1: Participants of the Third JUQUEEN Porting and Tuning Workshop (© Forschungszentrum Jülich GmbH).

Jülich Supercomputing Centre (JSC) continued its successful series of JUQUEEN Porting and Tuning Workshops from 2nd to 4th of February this year. The PRACE Advanced Training Centre (PATC) course attracted over 20 participants from various institutions in three European countries. The workshop familiarised the participants with the Blue Gene/Q supercomputer installed at JSC, including the provided toolchain from compilers and libraries to debuggers and performance analysis tools. The participants received help porting their codes, analysing execution performance and scalability, and

in improving the efficiency of their applications and workflow. Each year the workshop also focuses on one special user group, this time inviting users from the Earth system modelling community. This activity was supported by the Simulation Laboratory Climate Science and the Simulation Laboratory Terrestrial Systems.

The programme of the course started with overviews of JUQUEEN's hardware and software environment. A summary of the best practices was then followed by talks on performance analysis tools, debugging, and efficient I/O. The

