EURO² Bulgaria

1 April, 2025

NEWSLETTER

National Competence Centre Bulgaria

THEMATIC SEMINAR FOR USERS OF HPC RESOURCES IN THE FIELD OF PHYLOGEOGRAPHY, MARCH 18, 2025

On March 18, 2025, the team of IICT under the EUROCC2 project organized a thematic seminar for users of high-performance computing resources working in the field of phylogeography. Phylogeography is a scientific discipline that studies the historical processes influencing the geographic distribution of genealogical lineages through the lens of genetics. This interdisciplinary field connects genetics, molecular biology, evolutionary biology, zoology, and forest ecology.

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TRAINING: INTRODUCTION TO QUANTUM COMPUTING, MARCH 2025

In response to the increased interest in quantum computing and to quantum simulators installed on HEMUS supercomputer, the IICT team delivered another introductory training to QC, held on March 25, 2025. Quantum simulators are specialized devices or algorithms that use quantum principles of mechanics to model complex quantum systems that cannot be effectively simulated by classical computers. They are based on the use of quantum bits (qubits), which can exist in multiple states simultaneously thanks to phenomena such as superposition and entanglement.

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Upcoming Events

- PIC modelling of the fusion plasma edge (EuroCC), 7-9 April 2025, ENCCS, NCC Slovenian and NCC Czechia.
- Waldur HPC Service Hub: presentation to the whole EUROCC2 network, 10 April 2025, WALDUR HPC Service hub.
- NCC Bulgaria Open Workshop 2025, 24 April 2025, NCC Bulgaria.
- Workshop: Budget Usage in CASTIEL 2 | From Guidelines to Action, 9 May 2025, CASTIEL 2.
- Collaboration opportunity between NCC HPC of Bulgaria and Bosnia & Herzegovina, 12 May 2025.
- C++ Software engineering, 13 May 2025, NCC Belgium.
- Regional EuroCC workshop in Belgrade, 20-22 May 2025, NCC Serbia.
- Webinar: Training the industry - sharing the CCs' insights, 28 May 2025, CASTIEL 2.

Past Events

- EuroCC 2 Workshop: Examples of progress towards more sustainability of the NCC network, 21 January 2025, HRLS.
- "6th Dos & don'ts" workshop: Dos & Don'ts - Collaboration NCC-CoE: with industry and other target groups, 28 January 2025, CASTIEL 2 and NCC Netherlands.
- Webinar: Onboarding in the NCCs: Training the Industry/SMEs Stakeholders, 10 Febuary 2025, CASTIEL 2.
- Code of the Month vol.14, 19 Febuary 2025, CASTIEL 2 and ESiWACE 3.
- Thematic seminar for users of HPC resources, 18 March 2025, NCC Bulgaria.
- Containerisation, CI/CD, and Benchmarking Solutions for HPC, 24-26 March 2025, NCC Czechia.
- Training: Introduction to Quantum Computing (QC), 25 March 2025, NCC Bulgaria.