Current international projects

EUROCC

Full name: National Competence Centers in the framework of EuroHPC
Duration: 1.09.2020 r. - 31.08.2022 r.
Aim: The main goal of the EuroCC project is to create a European technological support system based on closely related National Competence Centers in individual European countries, which will allow the academic environment, the enterprise sector (especially SMEs) and public administration to benefit from the available expertise, experience and resources of EuroHPC.
Contact: Marek Magryś, e-mail: m.magrys at cyfronet.pl, phone: (+48 12) 632 33 55
More info: www.eurocc-project.eu

PROTEUS-RS

Full name: Long Product Quality Optimisation through Enhancement and Utilisation of Residual Stress minimising Process Strategies
Duration: 1.07.2020 r. - 31.12.2023 r.
Aim: The project aims to implement models and a number of numerical simulations based on high-performance computer architectures for the design of the manufacturing process of metal long elements. The project will develop numerical methods allowing for the prediction of residual stresses during production and optimization procedures enabling the selection of the best process parameters. The computational methods are so complex and advanced that without the use of HPC architectures it will not be possible to perform the tests.
Contact: Łukasz Rauch, e-mail: lrauch at agh.edu.pl, phone: (+48 12) 632 33 55

EPOS SP

Full name: European Plate Observing System Sustainability Phase – EPOS SP
Duration: 1.02.2020 r. - 31.01.2023 r.
Aim: The purpose of the EPOS-SP project is to develop and implement assumptions to ensure the sustainability of the EPOS infrastructure produced in previous projects (EPOS-PP and EPOS-IP). The project covers both technical and financial issues as well as management within the EPOS-ERIC structure.
Contact: Tomasz Szepieniec, e-mail: t.szepieniec at cyfronet.pl, phone: (+48 12) 632 33 55 ext. 310
More info: https://www.epos-ip.org/about/epos-pilot-operational-phase-pop/epos-sustainability-phase-project-2020-2023

EOSC Enhance

Full name: Enhancing the EOSC portal and connecting thematic clouds
Duration: 1.12.2019 r. - 30.11.2021 r.
Aim: The EOSC Enhance project aims to build an improved, more integrated version of the EOSC Portal, which will enable improvement and extension of solutions that will make it easier to find European scientific services and open science data sets.
Contact: Tomasz Szepieniec, e-mail: t.szepieniec at cyfronet.pl, phone: (+48 12) 632 33 55 ext. 310
More info: https://www.eosc-portal.eu/enhance

EOSC-Synergy

Full name: European Open Science Cloud - Expanding Capacities by building Capabilities
Duration: 1.09.2019 r. - 28.02.2022 r.
Aim: The EOSC-Synergy project introduces EOSC standards for national infrastructures in nine European Union countries. This will be done by harmonizing policies and expanding access to research infrastructures, scientific data and domain services.
Contact: Tomasz Szepieniec, e-mail:

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More info: https://www.eosc-synergy.eu/

SANO

Full name: Centre for New Methods in Computational Diagnostics and Personalised Therapy
Duration: 1.08.2019 r. - 31.07.2026 r.
Aim: The goal of the project is to create a computational medicine centre in Krakow. The Centre will be the main driver of European progress in this fast-growing sector, developing advanced engineering methods for the prevention, diagnosis and treatment of diseases, and meeting the global need for radically improved healthcare systems.
Contact: Marian Bubak, e-mail: bubak at agh.edu.pl, phone: (+48 12) 328 33 56
More info: https://sano.science

PRACE-6IP

Full name: PRACE 6th Implementation Phase Project
Duration: 1.05.2019 r. - 31.12.2021 r.
Aim: The goal of the project is to implement new solutions and maintain the operationality of the PRACE environment in the area of European HPC computing infrastructures.
Contact: Łukasz Dutka, e-mail: l.dutka at cyfronet.pl, phone: (+48 12) 632 33 55
More info: http://www.prace-ri.eu

PRIMAGE

Full name: PRedictive In-silico Multiscale Analytics to support cancer personalized diaGnosis and prognosis, Empowered by imaging biomarkers
Duration: 1.12.2018 r. - 30.11.2022 r.
Aim: The PRIMAGE project aims at creation of a Clinical Decision Support System (CDSS) for the treatment of cancer (nauroblastoma, glioma) in children. The system will use the HPC infrastructure. Patients' data will be used in the multi-scale computational

models of cancer designed to define disease biomarkers. The created CDSS system will help oncologists both in diagnosis and in predicting of disease progression and treatment effectiveness.
Contact: Marian Bubak, e-mail: bubak at agh.edu.pl, phone: (+48 12) 328 33 56
More info: https://www.primageproject.eu/