

Category: International scientific projects

Title: European Open Science Cloud – Expanding Capacities by building Capabilities (EOSC-Synergy)

Title (SK): Európsky cloud pre otvorenú vedu – rozšírenie kapacít budovaním infraštruktúrneho potenciálu

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Project type and number: Horizon 2020 – 857647.

Total funding: 5 584 006,25 EUR

Project coordinator: Agencia Estatal Consejo Superior de Investigaciones Cientificas (CSIC), Spain

Local coordinator: Ladislav Hluchý

Local funding: 225 000,00 EUR

Duration: 1.9.2019 – 28.2.2022

Partners: total 16 – Czech republic: 1, France: 1, Germany: 1, Netherland: 2, Poland: 2, Portugal: 4, Slovakia: 1, Spain: 3, UK: 1,

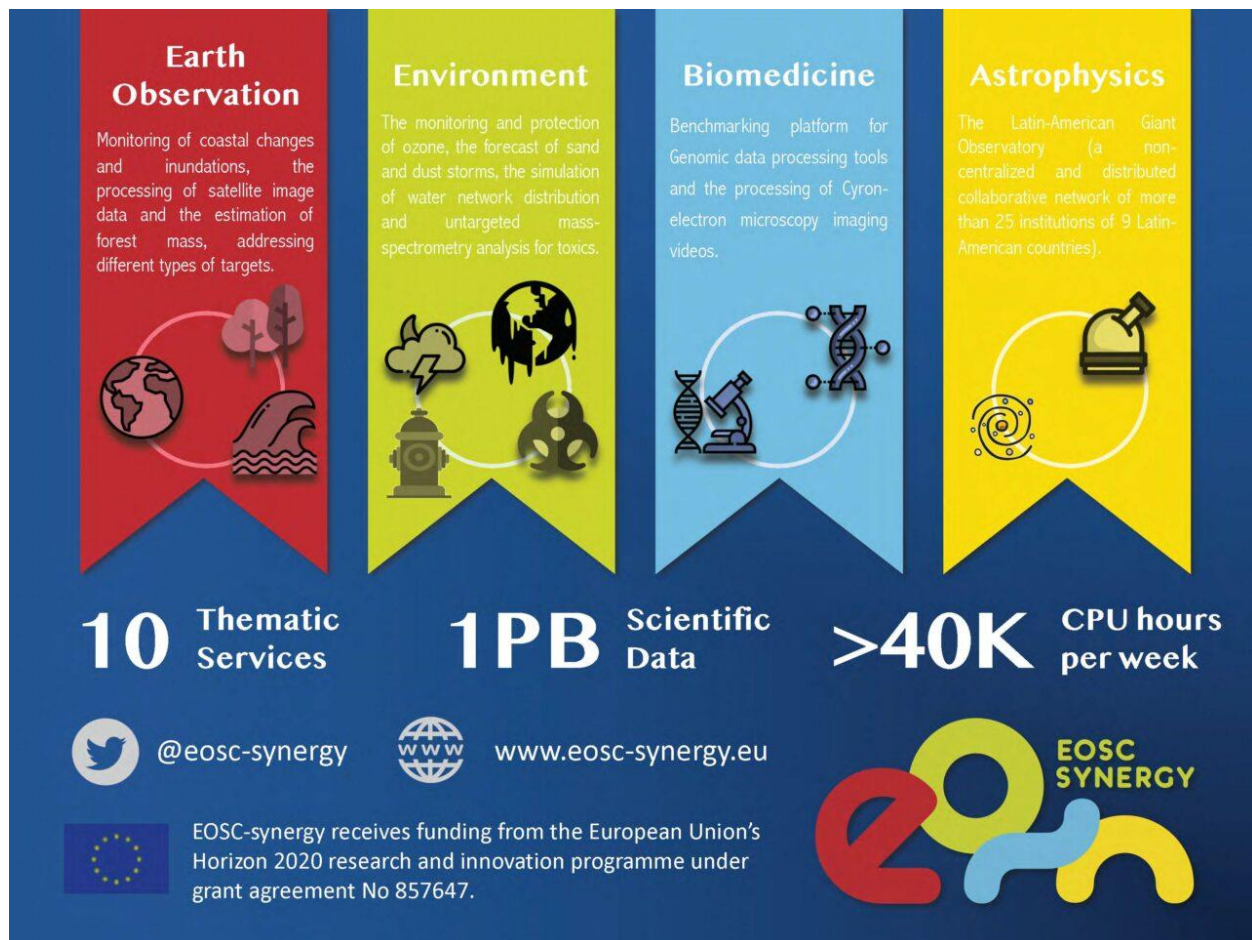
Annotation:

EOSC-Synergy project introduces new capabilities by opening national thematic services to European access, thus expanding the EOSC offer in the Environment, Climate Change, Earth Observation and Life Sciences. This will be supported by an expansion of the capacity through the federation of compute, storage and data resources aligned with the EOSC and FAIR policies and practices.

EOSC-synergy builds on the expertise of leading research organizations, infrastructure providers, NRENs and user communities from Spain, Portugal, Germany, Poland, Czech Republic, Slovakia, Netherlands, United Kingdom and France, all already committed to the EOSC vision and already involved in related activities at national and international level. Furthermore, we will expand EOSC's global reach by integrating infrastructure and data providers beyond Europe, fostering international collaboration and open new resources to European researchers.

IISAS is participating on three workpackages: WP2 - Capacity Expansion at Infrastructure Level; WP4 - Capacity building for thematic services. In WP2, IISAS is leading Task 2.4 “Integration of National Research Data repositories” that deals with technical integration of national research data repositories of wider interest into the EOSC ecosystem and actively works on other tasks for integration at the levels of core services, technical standards and policies. Several services were developed, deployed, and integrated with EOSC-Synergy infrastructure, most notably the Horizon dashboard for accessing all cloud sites in the project, and the COVID-19 Galaxy service for processing genomic data of Coronavirus.

In WP4, IISAS is working on developing and integration of the MSWSS thematic service for modeling and analysis of Water Supply Systems. The MSWSS service will allow water infrastructure operators and researchers to utilize EOSC computing infrastructure and data sharing services for analysis of more complex water supply systems.



Main outcome of IISAS in EOSC-Synergy project

1. Project-wide Horizon dashboard portal <https://dashboard.fedcloud.eosc-synergy.eu/>: developed and deployed at IISAS for accessing all cloud sites in EOSC-Synergy
2. COVID-19 Galaxy service @ EOSC Synergy <https://www.eosc-synergy.eu/covid19-galaxy-service-eosc-synergy/>: deployed in cooperation with other partners in project and supported by IISAS-Cloud site
3. Openstack Cloud site IISAS-Cloud <https://cloud.ui.savba.sk>