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Empowering European researchers with federated Earth Observation data analytics: An overview of the C-SCALE services

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The H2020 Copernicus-eoSC Analytics Engine (C-SCALE) project provides European researchers with a federated Earth Observation (EO) data analytics platform by leveraging the best-of-breed tools and services of pan-European e-infrastructures. C-SCALE delivers a seamless user experience by abstracting away the complexity of resource provisioning and orchestration. The project offers three main services: the Federated Earth System Simulation and Data Processing Platform (FedEarthData), the Earth Observation Metadata Query Service (EO-MQS), and the openEO Platform service. FedEarthData provides a distributed infrastructure of data and compute providers to support the execution of EO workflows at scale, while the EO-MQS makes Copernicus data distributed across partners discoverable and searchable. Finally, the openEO platform simplifies processing and data management by offering intuitive programming libraries alongside a large EO data repository. This poster provides an overview of the C-SCALE services and their benefits to European service providers and researchers.

Other key topic

Key Topic

Data analytics platforms and reproducible open science

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