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Demonstration of a C-SCALE workflow solution

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The C-SCALE project is leveraging cross-disciplinary open-source technologies available through the European Open Science Cloud to develop an open federation of compute and data providers to provide homogenous access to resources, thereby enabling its users to generate meaningful results quickly and easily.

To facilitate community co-design of the open compute and data federation, its functional specifications are derived from community use cases that determine user requirements for the federation members to implement collaboratively with its users.

Additionally, the use cases test the efficacy of the federation tools and services, thereby providing feedback to the federation members on improvement opportunities to ensure the infrastructure meets its user's needs.

Here, we demonstrate the first release of the hydrodynamic and water quality modelling workflow solution which is intended to give users a template and reusable components to develop coastal ocean modelling and forecasting applications for their area of interest.

Topic

EOSC Compute Platform

Any relevant links

<https://c-scale.eu/>

<https://www.deltares.nl/en/software/delft3d-flexible-mesh-suite/>

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Session Classification: Combining Copernicus data and EGI services for Earth Observation at scale

Track Classification: A Federated Compute Continuum