

From discovery to execution: The execution framework of the EOSC platform

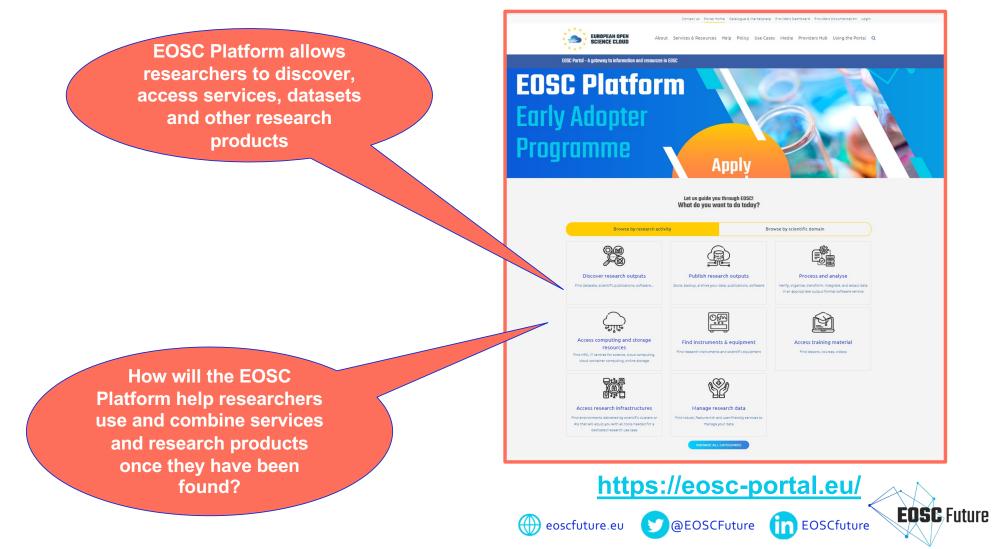
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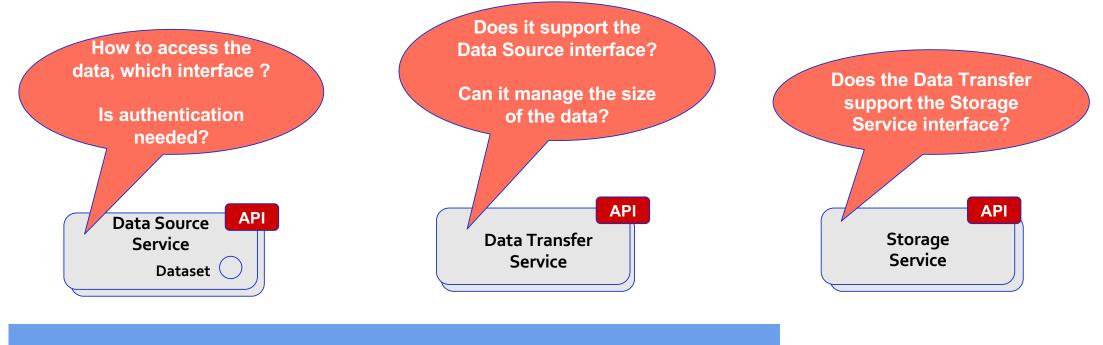


The EOSC Execution Framework - Why ?



The EOSC Execution Framework - A simple use case

A user discovers a dataset of interest and wants to transfer and analyse it

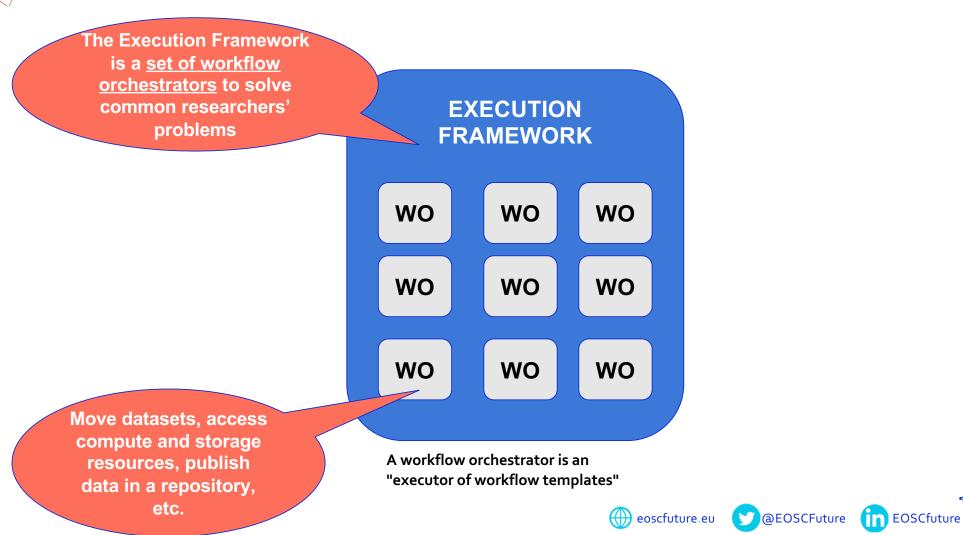


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Execution requires combination of 3 compatible EOSC Resources into a series of actions \rightarrow Workflow

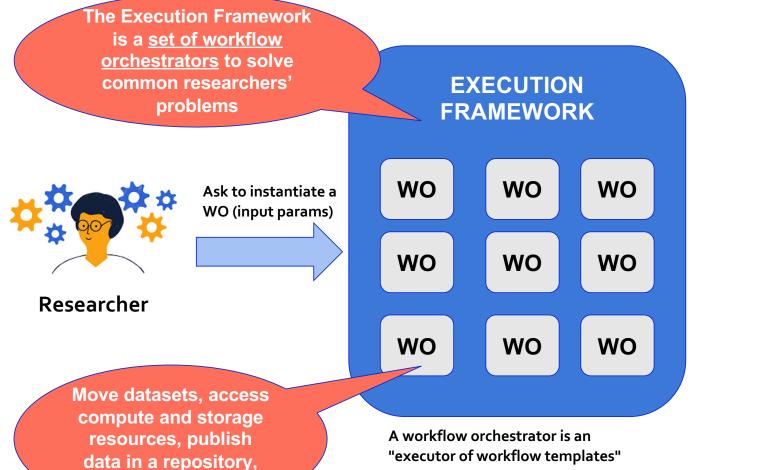


The EOSC Execution Framework - The Idea



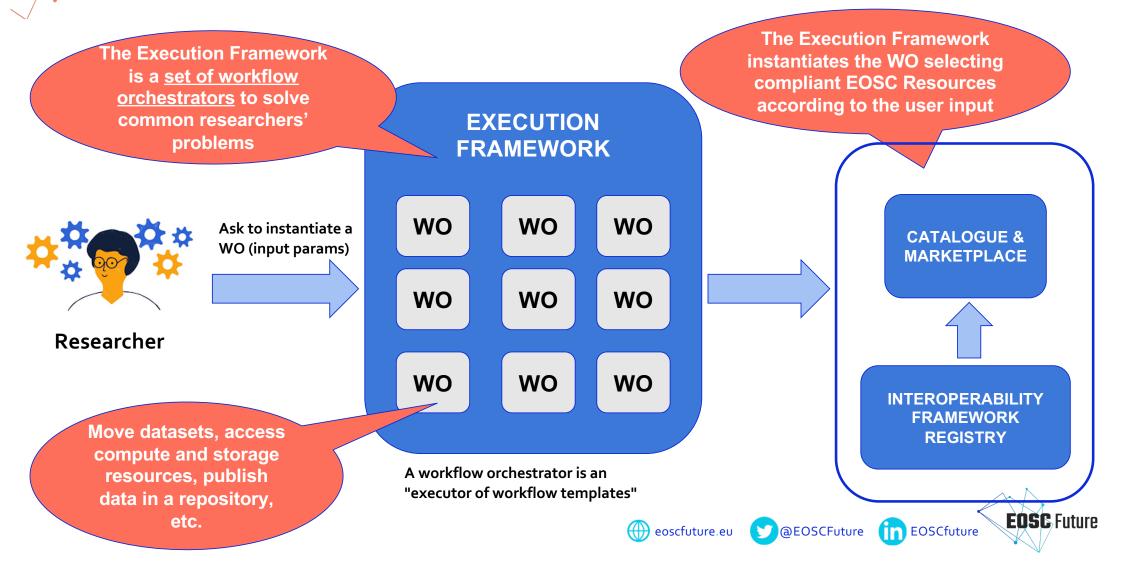
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The EOSC Execution Framework - The Idea



etc.

The EOSC Execution Framework - The Idea

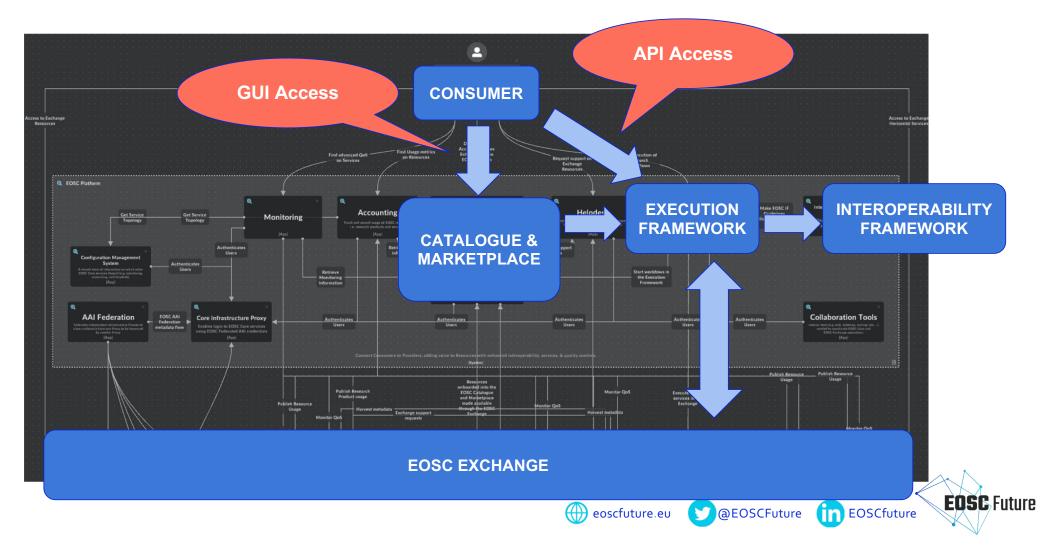




- Set of **orchestration services** (Workflow Orchestrators) that make resources dynamically composable.
- Overlay to facilitate/automate the access to and composition of EOSC
 Exchange services and research products to achieve given tasks
- Enables Machine Composability of Research Products and Services leveraging the EOSC IF



The Execution Framework in the EOSC Platform Architecture



Powered by EOSC Future From discovery to execution: The execution framework of the EOSC platform

- EOSC Data Transfer (Mark Dietrich EGI Foundation)
- Consumable Resources in EOSC (Paolo Manghi OpenAIRE)
- Bundles and Workflow support in the EOSC Platform (Roksana Wilk -CYFRONET)
- Panel: what are the main capabilities the EOSC Execution Framework should offer (Speakers and Cluster Representatives)

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Thank you for your attention!

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