

# Workflow Orchestration on Tightly Federated Computing Resources: the LEXIS approach

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## **Keywords:**

- Scientific application workflow modelling and orchestration
- Multi-site Cloud and HPC federation
- Federated security

## **Summary:**

This presentation aims at illustrating the key idea and technologies behind the LEXIS Orchestration Service and the LEXIS AAI. Starting from a review of the state-of-art on computing resource federation, the innovative approach of the LEXIS platform will be motivated. Finally, a detailed illustration of the LEXIS orchestrator, along with the main relevant aspects related to the dynamic resource allocation, and the LEXIS AAI will be provided.

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**Session Classification:** Workflow Management solutions