



SURF



# Second Workflow Orchestrator User Meeting

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9 June 2025

# | Agenda

14:00 - 14:01 **Welcome**

14:01 - 14:15 **WFO core updates**

Meetings and communication, Member overview,  
International code sprints, Core feature updates

14:15 - 15:30 **WFO implementation updates**

ESnet, GÉANT, HEAnet, GARR , CANARIE, SURF

15:30 - 16:00 **Afternoon break**

16:00 - 17:30 **Open discussion**

Introduction, Gather topics, Discussion(s)

# | WFO core updates – meetings and communication

- Meetings
  - WFO Software Development Sprint
    - February 2025, Berkeley, 5-day sprint working on core issues
  - WFO User Meeting
    - June 2024, Rennes, collocated with TNC24
    - June 2025, Brighton, collocated with TNC25
  - WFO User Developer Days
    - **Monday 22 – Wednesday 24 September 2025, Amsterdam**
- Communication
  - WFO Discord server (<https://discord.gg/TZZz2bGw>)
  - Currently joined by 70 people

# | WFO Core Update – member overview

Partner



Graduate



nomios

Sandbox



REANVZ



# | WFO core updates - projects

Projects under the GitHub workfloworchestrator organisation:

- orchestrator-core
- orchestrator-ui-library
- example-orchestrator-ui
- pydantic-forms
- pydantic-forms-ui
- lso
- example orchestrator
- supa + polynsi
- gnmi-cluster

See <https://github.com/workfloworchestrator>

# | WFO Core Update – International code sprints

- Joint sprints to work on WFO features
- Two week sprint every four weeks
- Each WFO partner contributes half an FTE
- Refining the backlog and guiding the sprints (currently) by SURF
- General development direction guidance from WFO programme board
- Feature requests from all WFO users
- Sprint meetings:
  - 1x issue refinement, 3x standup, 1x sprint end
- Slack channel for discussions and bridging time zones



# | WFO Core Update – core feature updates

Orchestrator-core from version 2.2.2 to 4.0.0 highlights:

- Refactor OAUTH handling for configurable AuthN and AuthZ
- Reliable WebSocket communication between backend and frontend
- Add Python 3.13 support, add PostgreSQL 17, remove PostgreSQL 14 support
- Removal of re-imports of pydantic-forms (breaking change)
- Add callback progress update endpoint
- Add decorator to isolate provisioning step
- Add support for pydantic-forms 2.0.0 (deprecating 1.4.0)
- Redis domain model caching removed (breaking change)
- Add Target.VALIDATION to Workflows, including isTask Boolean (breaking change)
- Show UI components and orchestrator core software versions in frontend

# | WFO implementation updates

- **ESnet** (Alex Ray)
- **GEANT** (Simone Spinelli)
- **HEAnet** (Mick O'Donovan / Dónal Cunningham)
- **GARR** (Filippo Landini / Matteo Colantonio)
- **CANARIE** (Richard Klinger)
- **SURF** (Arthur Nieuwland)




# | Open discussion

- Introduction
- Gather discussion topics
- Discussion(s)



**Thank you for  
your attention!**

 Hans Trompert

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