

# DIRAC In Int'l Projects

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CPPM-IN2P3-CNRS, Marseille,  
DIRAC@IN2P3 meeting,  
22 May 2023*

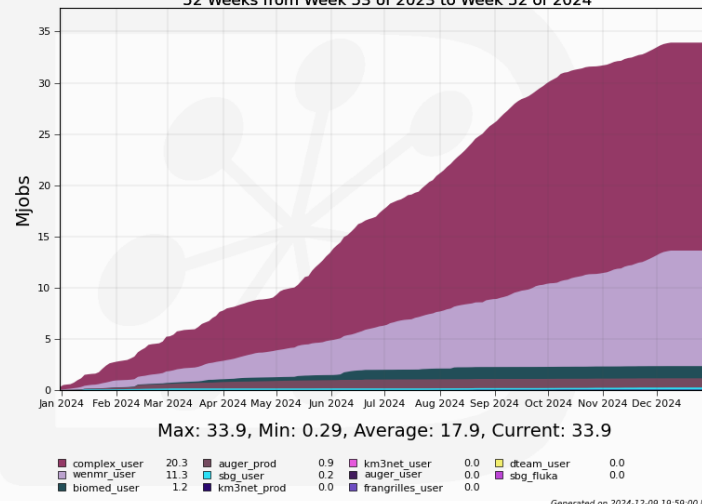


- ▶ Running smoothly
  - ▶ ~35M jobs in 2024
    - 10M jobs in 2023
    - Up to 6K concurrent jobs
      - ~1600 on average last month
  - ▶ About 3 times higher activity than in 2023
    - Up to 200K jobs per day in spikes

- ▶ Servers installation
  - ▶ Servers are all at 8.0.49
  - ▶ Pilots at 8.0.39

Cumulative Jobs by UserGroup

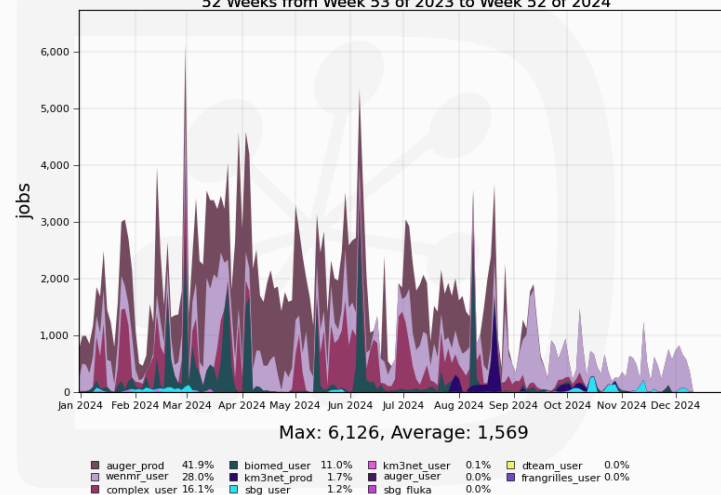
52 Weeks from Week 53 of 2023 to Week 52 of 2024



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Running jobs by UserGroup

52 Weeks from Week 53 of 2023 to Week 52 of 2024



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- ▶ Users
  - ▶ 20 VOs, ~200 registered users
    - ▶ Down from ~700 users reported last year
  - ▶ After legacy VO's cleanup
- ▶ Sites
  - ▶ Considerable clean-up (Luc)
    - ▶ Removing sites no more present (CEs) in the GocDB
  - ▶ More effort needed in chasing failing sites
  - ▶ Most of the HTCCondorCE upgraded to 23.0
    - ▶ No GSI support
    - ▶ Using SSL access (temporary solution)
    - ▶ Using tokens for job submission
      - HTCCondorCE
      - ARCCE - starting from 7.0 ?
        - Tests not conclusive so far

- ▶ Reporting
  - ▶ Risk analysis
  - ▶ Accounting numbers for 2024
- ▶ Tickets (2)
  - ▶ vo.complex-systems – lacking resources
    - ▶ HTCondorCE tokens
    - ▶ IJCLab cloud (in contact with Guillaume)
  - ▶ Multi-core queues at CC for km3net.org

- ▶ GreenDIGIT
  - ▶ Site surveys conducted
  - ▶ intermediate reports (M6, M9)
- ▶ Starting discussion about the testing platform design
  - ▶ Main task for DIRAC
  - ▶ Site sustainability metrics
  - ▶ Impact on scheduling algorithms
  - ▶ Site and orchestrator services managers
- ▶ Hiring an engineers for GreenDIGIT
  - ▶ Candidate chosen
  - ▶ Recrutement en cours (slowly)
  - ▶ 2 years starting in Feb 2025

- ▶ Spectrum Community of Practice
  - ▶ Not much activity
  - ▶ Several discussions
    - ▶ EGI Conference
    - ▶ Plenary meetings
      - Survey results
      - Radio Astronomy case (SKA)
    - ▶ December Plenary cancelled

- ▶ About to start data taking
- ▶ Very scarce resource in the DCI project
  - ▶ A.T. joined formally the Juno Collaboration (CPPM is a member)
- ▶ Participating to the Juno DCI meetings
  - ▶ Helping to configure some sites
  - ▶ Helping to install `diracx01.ihep.ac.cn` (sic!)
- ▶ More involvement progressively

- ▶ **PEPR STEEL**

- ▶ 7 years project on its 2<sup>nd</sup> year
- ▶ Little activities, counting to step in later

- ▶ **Galaxy**

- ▶ Waiting for the Galaxy framework update to start working on a DIRAC runner
- ▶ Interesting project, pity that we can not find volunteers to invest into the DIRAC connection