

# Dirac4EGI

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[www.egi.eu](http://www.egi.eu)

EGI-Engage is co-funded by the Horizon 2020 Framework Programme of the European Union under grant number 654142



- **Service in the EGI portfolio to provide DIRAC central services to user communities**
- Suggested by recognizing DIRAC is actively used by many communities
  - Identified need of new service: WeNMR
- User communities:
  - Well established communities
  - Long tail of science
- Status:
  - 2016-2017: demonstrator mode
  - From 2018: production, EGI core service
    - funding depends on EINFRA12/EOSChub project proposal success

**[dirac.egi.eu](http://dirac.egi.eu)**

- **Service Components:**

1. Workload Management System (WMS) based on the concept of pilot jobs
  2. Data Management System (DMS) including uniform access to different types of storage, replica and metadata catalog
  3. Web Portal to access the WMS and DMS functionalities, as well as other tasks of user and system administration, monitoring and accounting
  4. REST server providing language neutral interface to DIRAC services
- ...all TRL 8 („system complete and qualified“)**

- **Suppliers:**

- **CNRS:** coordination, development, user and technical support
- **CYFRONET:** hosting, technical support, user support (new)

## Value proposition:

- Retain communities and attract new communities into the dirac.egi.eu service;
- Provide more flexible VRE simplifying access to EGI resources and accelerate the ability of researches to undertake excellent science with DIRAC technical innovations;
- Transfer DCI skills and know-how to other medium and big communities and resource providers in the context of EGI.

Success criteria			
Objective	Indicator	Description	Target
The service is trusted and reliable	Availability	The DIRAC4EGI service will provide high availability for the users executing their tasks on the HTC and cloud resources provided by the EGI infrastructure	99%
The service is widely adopted	Number of VOs or users	Cumulation number of Virtual Organisations or users	>10 VOs
The service is actively used	Number of job processed	Cumulation number of job processed by all sites in 1 year	>6million

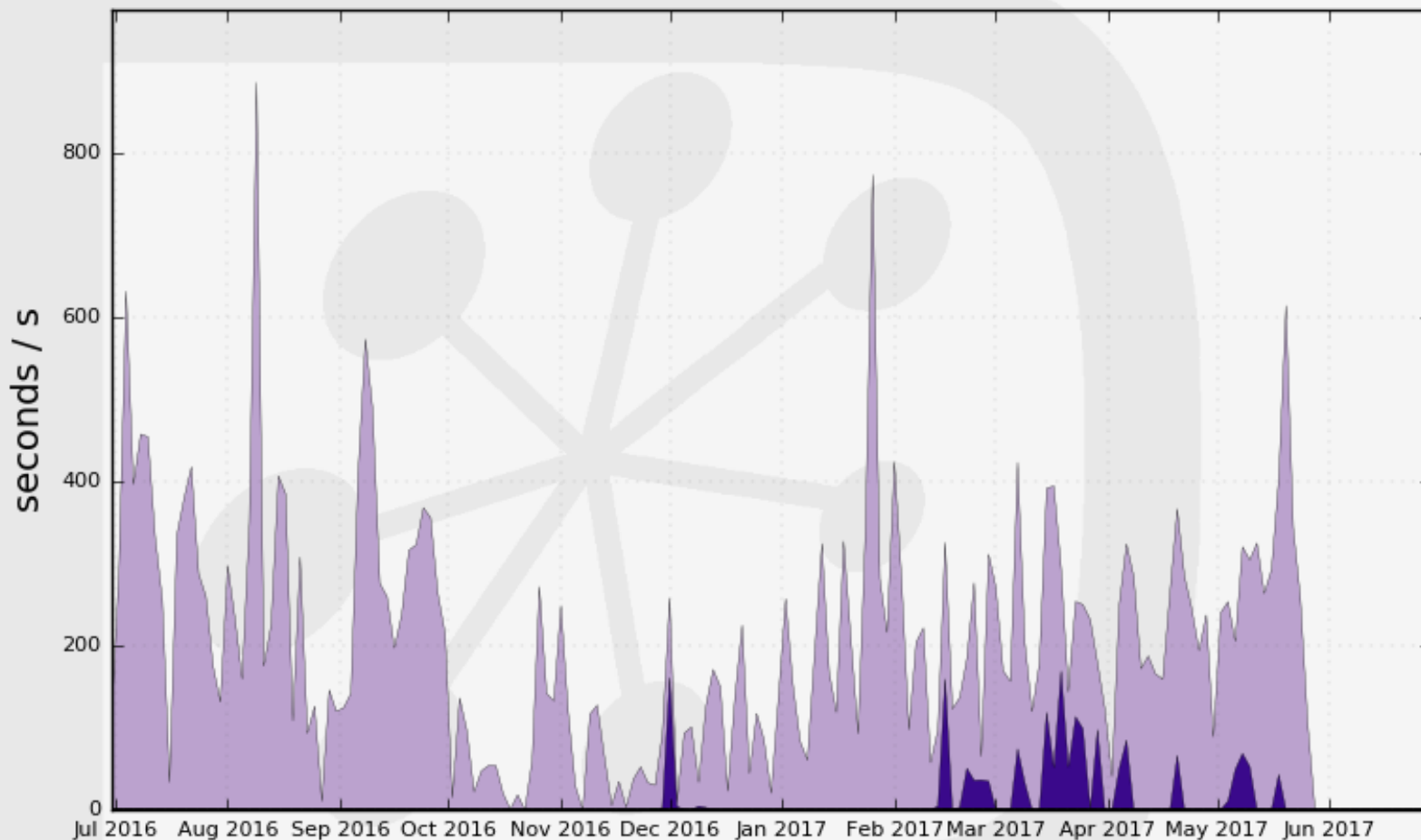
# EOSChub Activities (from 2018)\*

- Communities support
- Operations organization
- DIRAC Trainings

*\* funding not yet confirmed*

## CPU usage by UserGroup

52 Weeks from Week 26 of 2016 to Week 26 of 2017



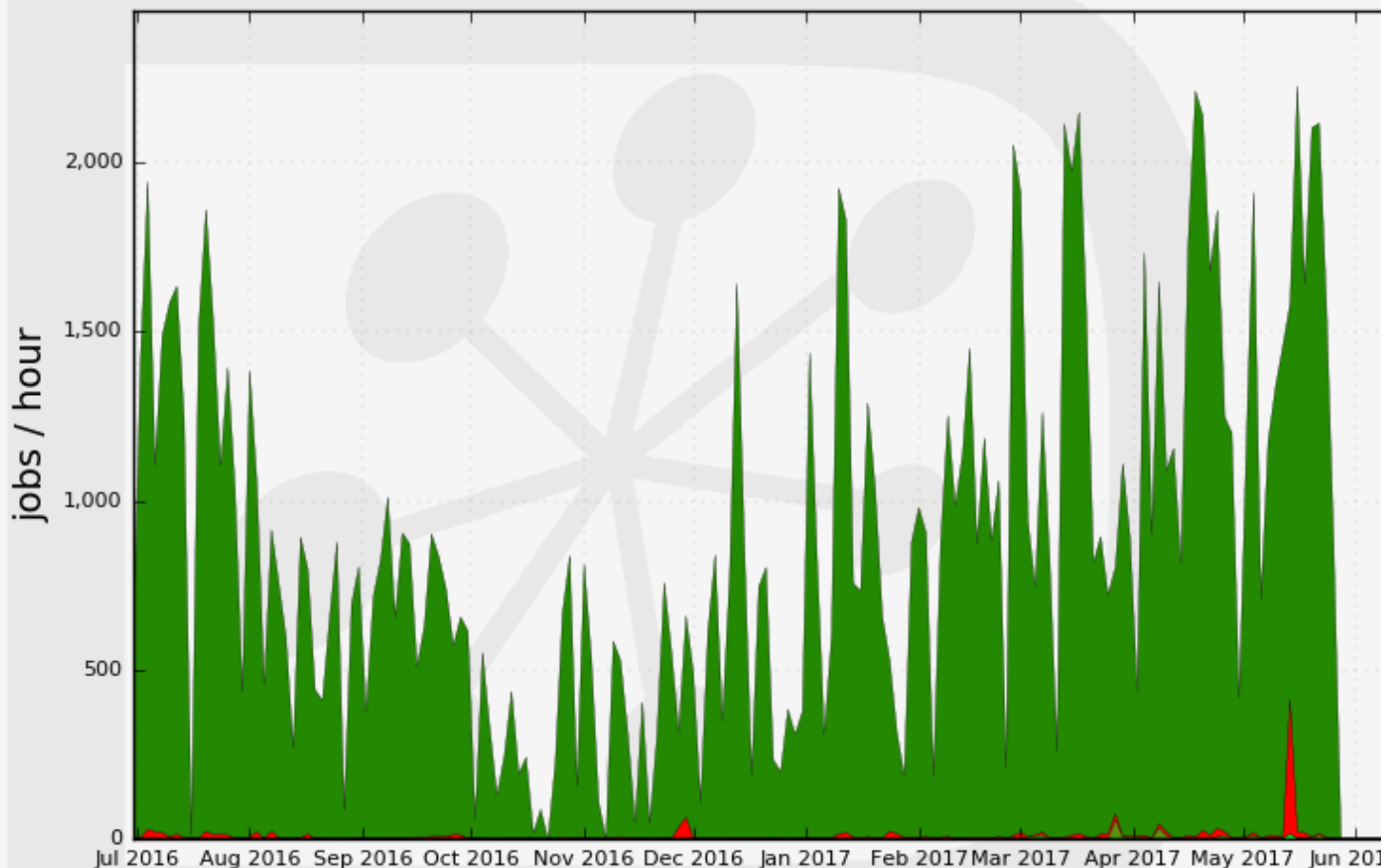
Max: 885, Average: 189

wenmr_user	95.0%	compchem	0.0%	eiscat_SW	0.0%	dirac_tutorial	0.0%
vlemmed_prod	5.0%	eiscat_common	0.0%	eiscat_owner	0.0%	fedcloud_user	0.0%

Last year  
count:

wenmr_user	7954944.0
vlemed_prod	85719.0
compchem	1161.0
eiscat_common	151.0
eiscat_SW	23.0
fedcloud_user	16.0
eiscat_owner	13.0
dirac_tutorial	1.0

Jobs by FinalMajorStatus  
52 Weeks from Week 26 of 2016 to Week 26 of 2017



Max: 2,225, Average: 805

■ Done 98.9% 
 ■ Failed 0.9% 
 ■ Rescheduled 0.1% 
 ■ Completed 0.0%

# Thank you for your attention.

*Questions?*



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