

# Project Status

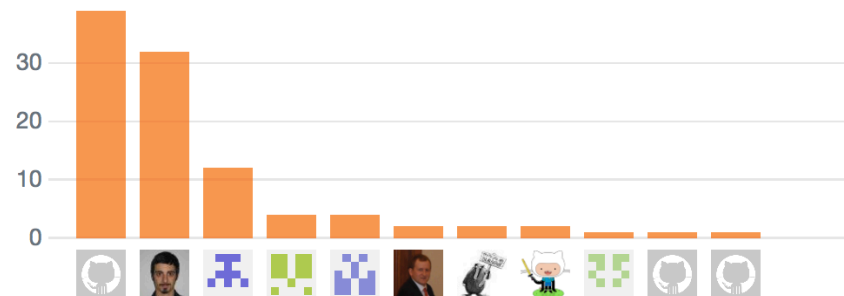
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DIRAC User Workshop, Warsaw, 29th May 2017*



- ▶ Welcome to all the participants of the 7<sup>th</sup> DIRAC User workshop
  - ▶ Meeting point for the DIRAC users and developers
  - ▶ Information exchange
  - ▶ Open discussion
- ▶ Review of the current status
- ▶ Discuss further development directions

- ▶ About 380 Pull Requests in the DIRAC Github repository in the last year
- ▶ 11 distinct authors made contributions in the last month:

Excluding merges, **11 authors** have pushed **100 commits** to integration and **100 commits** to all branches. On integration, **106 files** have changed and there have been **2,699 additions** and **925 deletions**.



- ▶ Three major release in the last year
  - ▶ v6r16
    - ▶ New Monitoring System based on ElasticSearch service
    - ▶ Support for MQ protocols
  - ▶ v6r17
    - ▶ Implementation of multi-protocol support for storage elements
    - ▶ GFAL2 library based implementation of storage plug-ins
  - ▶ v6r18
    - ▶ Using RSS for managing the Site and CE statuses
    - ▶ WMS components updated to work with multi-processor jobs and computing slots

- ▶ The pace of releases has increased
  - ▶ A more elaborate release certification procedure is set up
    - ▶ Jenkins based CI
    - ▶ DIRAC Certification dedicated host at CERN
      - [lbcertifdirac6.cern.ch](http://lbcertifdirac6.cern.ch) for SLC6
      - [lbcertifdirac7.cern.ch](http://lbcertifdirac7.cern.ch) for CC7
    - ▶ Trello dashboards for the certification steps management
  - ▶ About 50 patch releases in the last year
    - ▶ About one patch release per week

- ▶ **Dedicated installations**
  - ▶ LHCb, Belle II, CTA
- ▶ **Multi-community services**
  - ▶ ILC, CALICE
  - ▶ IHEP: BES III, Juno, CEPC
  - ▶ FG-DIRAC
  - ▶ GridPP
  - ▶ DIRAC4EGI
- ▶ **New services**
  - ▶ PNNL
  - ▶ DIRAC@JINR
- ▶ **Several DIRAC evaluations are ongoing**
  - ▶ Auger, ELI, NICA, ...

- ▶ DIRAC Consortium
  - ▶ CNRS, CERN, KEK, IHEP
  - ▶ University of Montpellier is in the process of signing the Consortium Agreement
  - ▶ University of Barcelona membership is suspended
- ▶ More new members are likely to join in the coming year
- ▶ Board of representatives
  - ▶ Meeting today, 29th May

- ▶ Eosc-Hub E-Infra12 Horizon 2020 call
  - ▶ One of the items is provisioning of the DIRAC4EGI service as a core service for the EGI Communities
  - ▶ Contributors: CNRS, CYFRONET
- ▶ Proposal for creating an LIA (Laboratoire International Associé) at CNRS/IN2P3
  - ▶ Building a distributed infrastructure for HPC centers in France and Russia
  - ▶ Joint project of:
    - ▶ CNRS laboratories (CPPM, LUPM, CC/IN2P3)
    - ▶ JINR, Dubna
    - ▶ Plekhanov University, Moscow
    - ▶ Lobachevsky University, Nizhny Novgorod
  - ▶ If approved by CNRS will be also supported by the Russian Foundation for Fundamental Research
- ▶ M<sup>3</sup>AMU Project to set up distributed data center for Aix-Marseille University



- ▶ DIRAC User Workshop to exchange information and to define further directions of the DIRAC software evolution
- ▶ Continuous active development activities with a stable number of contributors. Improved release practices.
- ▶ Steady functioning of multiple dedicated and multi-community. Some DIRAC services are stalling, some new services are starting. In the whole the community is growing
- ▶ Multiple proposals to provide DIRAC-based services under evaluation

