

# DIRAC Project status

*A. Tsaregorodtsev,  
CPPM-IN2P3-CNRS, Marseille,  
DIRAC@IN2P3 meeting,  
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- ▶ Status of releases
- ▶ Ongoing developments
- ▶ Collaborative work
- ▶ FG-DIRAC service
- ▶ Budget
- ▶ Consortium news
- ▶ DUW
- ▶ Conferences

- ▶ Current production branch v7r1
  - ▶ The last patch v7r1p2
  - ▶ DIRACOS v1r12
    - ▶ S3 support
- ▶ v6r22 and v7r0 are mostly installed
  - ▶ Weekly patches to fix encountered problems
- ▶ The next major v7r2
  - ▶ No prereleases yet
- ▶ Main new features of v7r2
  - ▶ OAuth2/OIDC support incorporated
  - ▶ Tornado/http client/service protocol as technology preview

- ▶ DIRAC Production System
  - ▶ CTA
- ▶ VMDIRAC
  - ▶ Using Pilot3
- ▶ OAuth/OIDC AuthN/AuthZ
  - ▶ PR is prepared, certification is coming
- ▶ Exploring GO language as the basis for the future DIRAC framework
  - ▶ Direct interaction channel with the running application

- ▶ The decision is taken to base the ESCAPE project Corsika portal completely on the DIRAC framework
  - ▶ Web portal
  - ▶ Managing containers as data
  - ▶ Managing users
  - ▶ Managing data
- ▶ Luigi Fusco, CPPM, is actively looking at it together with colleagues from Italy
- ▶ Can CTA be more actively involved in this project
  - ▶ Lot's of work to do that can be useful eventually for CTA as well

- ▶ Running smoothly
  - ▶ Running v7r0
  - ▶ We should foresee v7r1 migration
- ▶ Looking at setting up ELK stack
  - ▶ Elasticsearch/LogStash/Kibana
  - ▶ Help would be quite welcome
- ▶ COVID jobs
  - ▶ Despite the setup prepared, the jobs did not arrive (so far)
- ▶ Request to set up multi-core (VO complex)
  - ▶ Setting up a queue at LAL

- ▶ Looking at the continuation of the EOSC-Hub project
  - ▶ EC INFRAEOSC call is in progress
    - ▶ 07 – providing services, user support
    - ▶ 03 – new developments
- ▶ CNRS is preparing a combined proposal
  - ▶ Includes DIRAC service part
    - ☐ Service maintenance, user community support
    - ☐ Developments (AAI, resources, etc)
  - ▶ Proposal to merge France-Grilles and EGI service
    - ☐ Ease of maintenance
    - ☐ More active involvement of CC

- ▶ The DIRAC@IN2P3 budget for 2020
  - ▶ Difficult to consume the budget due to limited number of missions
  - ▶ 10k euros maintained (out of 15k initially allocated)
- ▶ DIALOG 2021 started
  - ▶ Demand for the 2021 budget
  - ▶ Asking for the 15k allocation, same as in 2021 as the work profile will be similar to the one expected in 2020



- ▶ Still difficult to plan now
- ▶ EGI Conference 2-4th November
  - ▶ Offer to co-locate DIRAC workshop
    - ▶ 1-2 days
    - ▶ If it will not go virtual (mission to outside France may not be allowed still, and not only France)
  - ▶ Help will be needed to realize it
    - ▶ Status reports
    - ▶ Demos
    - ▶ Hands-on session (?)
  - ▶ The program will depend on the availability of experts to participate

- ▶ Urgency for complex workflows paper
  - ▶ Volker's journal
- ▶ Draft paper URL
  - ▶ <https://gitlab.in2p3.fr/DiracIN2P3/TSPaper2017>
- ▶ Effort needed to accomplish it