

DIRAC Project status

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- ▶ Status of releases
- ▶ Ongoing developments
- ▶ Collaborative work
- ▶ FG-DIRAC service
- ▶ Budget
- ▶ Consortium news
- ▶ DUW
- ▶ Conferences

- ▶ Current production branch v7r0
 - ▶ The last patch v7r0p5
- ▶ Keeping pace of patches each 1-2 weeks
 - ▶ Fixes, minor new features
 - ▶ v6r22p15 patch in the v6r22 branch
 - ▶ Installed in most cases
- ▶ The next major v7r1
 - ▶ Certification to start soon
- ▶ Main new features of v7r1
 - ▶ OAuth/OIDC/SSO based user authN/authZ
 - ▶ See Andrii's presentation

- ▶ DIRAC Production System
 - ▶ CTA
- ▶ VMDIRAC
 - ▶ Running containerized applications (Docker, Singularity)
 - ▶ Using Pilot3.0 pilots
- ▶ OAuth/OIDC AuthN/AuthZ (see Andrei's presentation)
- ▶ Exploring GO language as the basis for the future DIRAC framework (see Christophe's presentation)

- ▶ DIRAC4EGI context
 - ▶ Full OAuth user authentication (Web Portal and CLI)
 - ▶ Check-in SSO
 - ▶ RCAuth proxy providers
 - ▶ Eiscat 3D application portal
 - ▶ Docker for applications
 - ▶ Cloud resources (CSC HPC center)
 - ▶ EiscatDIRAC WebApp extension to be updated to ExtJS 6.0

- ▶ Collaboration with JINR, Dubna
 - ▶ Cloud federation of JINR member states
 - ▶ Presentation at DAMDID'19 Conference, Kazan, Russia
 - ▶ Springer article is in preparation
 - ▶ OpenNebula sites
 - ▶ Pilot 3.0
 - ▶ Multi-core pilots
 - ▶ DIRAC installation from CVMFS

- ▶ M3AMU Project
 - ▶ Using FG-DIRAC service
 - ▶ Resources at CPPM (Cloud,T2) and mesocentre
 - ▶ UI is set up
 - ▶ DIRAC client from CVMFS
 - ▶ DIRAC CA certificates
 - ▶ Pilot users
 - ▶ Application packaged in a singularity container
 - ▶ AuthN/AuthZ to be set up
 - ▶ AMU SSO
 - ▶ Setting up OAuth service on top of the Mesocentre LDAP user registry

▶ ESCAPE

- ▶ DIRAC in the OSSR (Open Software Service Repository)
- ▶ Pilot example
 - ▶ Running CORSIKA containers via DIRAC

- ▶ Running smoothly
- ▶ Updated to v7r0 in october
 - ▶ Several fixes were needed in the weeks after
- ▶ Looking at setting up ELK stack
 - ▶ Elasticsearch/LogStash/Kibana

- ▶ 2019 allocation is 6k euros
 - ▶ Fully consumed
- ▶ Request for 12k euros for 2019
 - ▶ 11.6k euros missions + 0.4k euros materials
 - ▶ Let's see the outcome of the request later this year
- ▶ Project budget management in 2020 to move from CPPM to ... ?

- ▶ The procedure for the Consortium extension started
 - ▶ The Agreement annex document text is finally agreed
 - ▶ To be signed by the current official members
 - ▶ CNRS, CERN, IHEP, KEK

- ▶ Accession formalities are still pending
 - ▶ University of Montpellier
 - ▶ PNNL
 - ▶ Imperial College

- ▶ Next DUW at KEK/IPNS
 - ▶ 25-29 May 2020
 - ▶ Announced at CHEP
- ▶ Poster to be exposed



The 10th
DIRAC Users' Workshop

25th - 29th May 2020

KEK/IPNS
TSUKUBA

KEK 

 **DIRAC**
THE INTERWARE

[HTTPS://INDICO.CERN.CH/E/DUW10](https://indico.cern.ch/e/duw10)

Organizers: FEDERICO STAGNI (CERN)
TAKANORI HARA (KEK/IPNS)
IKUO UEDA (KEK/IPNS)
ANDREI TSAREGORODTSEV (IN2P3)

diracgrid.org DIRACGrid dirac-grid dirac.readthedocs.io

   

- ▶ ISGC 2020
 - ▶ Accepted presentation « EGI Workload Manager »

- ▶ Others to come
 - ▶ Grid 2020
 - ▶ ACAT 2020
 - ▶ DI4R 2020

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

Ressources Humaines IN2P3 en 2020 (estimation)

Laboratoire	Responsable	Chercheurs (Nb / ETP)	Ingénieur Chercheur	Ingénieurs Recherche	Ingénieurs & Techniciens
CPPM	A.Tsaregorodtsev		1/0.5	1/0.5	2/0.6*
LPSC	J.Bregeon	1/0.1			
LUPM	A.Arrabito		1/0.4		1/0.1
CC/ IN2P3	F.Hernandez			1/0.1	1/0.1
IPHC	J.Pansanel			2/0.2*	
Total		1/0.1	2/0.9	4/0.8	4/0.8
* Financement nouveau IR à partir de 01.2020, 0.1 FTE					

** Nouveau à partir de mi-2019