

DIRAC Project status

*A. Tsaregorodtsev,
CPPM-IN2P3-CNRS, Marseille,*



- ▶ Status of releases
- ▶ Ongoing developments
- ▶ Budget
- ▶ Consortium news
- ▶ DUW
- ▶ Conferences

- ▶ Current production branch v6r22
 - ▶ The last patch v6r22p10
- ▶ Keeping pace of patches each 1-2 weeks
 - ▶ Fixes, minor new features
- ▶ The next major v7r0
 - ▶ Certification is done, few found bugs to fix
 - ▶ V7r0p1 with fixes is already done, waiting for confirmation from CERN (Jenkins integration tests)
- ▶ Main new features of v7r0
 - ▶ Production System
 - ▶ Pilot 3.0 as default
 - ▶ ElasticSearch for Job Parameters

- ▶ V7r1 major topics
 - ▶ Use of external user identity providers
 - ▶ OAuth2 based user authentication
 - ▶ Use of external Proxy Providers
- ▶ VMDIRAC
 - ▶ Running containerized applications (Docker, Singularity)
 - ▶ Using Pilot3.0 pilots
- ▶ 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)

- ▶ Collaboration with JINR, Dubna
 - ▶ Cloud federation of JINR member states
 - ▶ Presentation at DAMDID'19 Conference, Kazan, Russia
 - ▶ DIRAC for the JINR experiments
 - ▶ NICA BM@N detector
- ▶ M3AMU Project
 - ▶ Setting up DIRAC UI for the AMU Mesocentre users
 - ▶ CVMFS DIRAC client configured to use FG-DIRAC
 - ▶ DIRAC CA certificates
 - ▶ AMU SSO for user authentication
 - ▶ Setting up Oauth service on top of the Mesocentre LDAP user registry
 - ▶ Resources at CPPM (Cloud,T2) and mesocentre

- ▶ 2019 allocation is 6k euros
 - ▶ Still available ~1.0k euros
 - ▶ Autumn face-to-face meeting
 - ▶ Autumn conferences (Journées ...) ?
- ▶ 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
- ▶ EAP with Volker Beckman 7 October
 - ▶ Overview of the Project status
 - ▶ Discussion of the 2020 budget allocation

- ▶ Current participants
 - ▶ CPPM, LUPM, CC/Lyon, CREATIS, University of Bordeaux

- ▶ New participants
 - ▶ IPHC
 - ▶ Jérôme Pansanel, ~10% , Yannick Patois, ~10%
 - ▶ Belle II related developments
 - ▶ MPI related developments

- ▶ ESCAPE H'2020 project
 - ▶ Common software and computing solutions for the HEP and Astrophysics communities

- ▶ CPPM participation
 - ▶ WP3 – common software
 - ▶ On behalf of the KM3Net group
 - ▶ An engineer to be hired starting from January 2020

- ▶ Discussion for the WP2 ESAP analysis platform to use DIRAC
 - ▶ The outcome to be evaluated

- ▶ Application from Imperial College (David Colling) approved
 - ▶ The accession documents are being prepared
- ▶ University of Barcelona withdrew definitely from the Consortium
- ▶ KEK accession to the Consortium is finalized
 - ▶ Was pending due to the lack of the UB signature
- ▶ The procedure for the Consortium extension started
 - ▶ Needs formal approval of the current members
- ▶ Accession formalities are still pending
 - ▶ University of Montpellier
 - ▶ PNNL

- ▶ Next DUW at KEK/IPNS
 - ▶ 25-29 May 2020
 - ▶ Details are being verified, not yet announced
 - ▶ Can be expensive !

- ▶ ISGC 2019, mars
 - ▶ Andrei's presentation, no paper
- ▶ MIPRO 2019, avril
 - ▶ Sorina's presentation with paper
- ▶ ACAT 2019, mars
 - ▶ Johan's presentation, no paper
- ▶ DAMDID 2019, octobre
 - ▶ In Collaboration with JINR
 - ▶ Andrei's presentation with paper

- ▶ ISGC 2020
 - ▶ Deadline for abstracts 7 October

- ▶ Others
 - ▶ MIPRO 2020
 - ▶ Grid 2020
 - ▶ ACAT 2020
 - ▶ DI4R 2020

- ▶ We should participate more with posters

- ▶ Urgency for complex workflows paper
 - ▶ Volker's journal
- ▶ Draft detailed plan in September
 - ▶ Luisa, Johan
- ▶ Draft paper in October
 - ▶ Luisa, Johan, Andrei et al
 - ▶ Ideally before EAP 7 October
- ▶ Goal: paper submitted in November