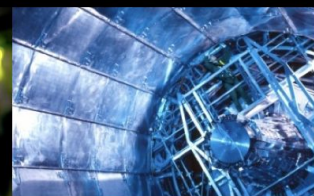
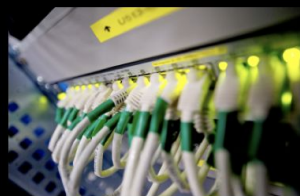


# GDB Introduction

Josep Flix [PIC/CIEMAT]

Mattias Wadenstein [University of Umeå]

GDB, 13<sup>th</sup> July 2022: **Hybrid meeting**



# Meeting Details (Covid-19 matters)

## CERN & Covid-19 : What's new this week

<https://hse.cern/covid-19-information>

**COVID-19: CERN is on Level 1 - Green from 14.3 / CERN est au niveau 1 - Vert à compter du 14.3.**

### HIGHLIGHTED UPDATES

Please read through all the sections marked *\*New-Date\** for the most recent changes. Highlighted below are the most important updates.

**CERN is on Level 1 - Green from 14th March**

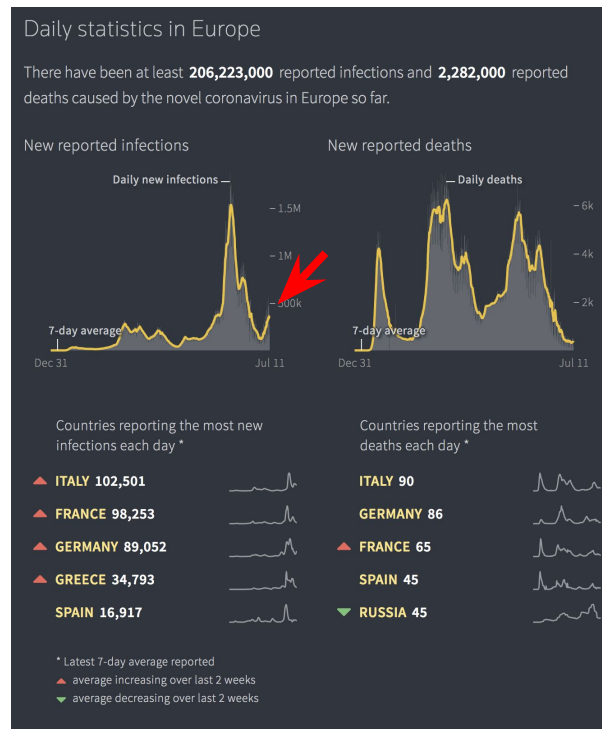
#### Main changes:

- Basic hygiene measures of hand washing and disinfecting still apply;
- Masks are no longer mandatory unless otherwise specified, for example in CERN Shuttles. Please respect colleagues who choose to continue wearing masks;
- 1.5 m distancing must be respected in offices;
- **Meeting rooms are back to full capacity**, with fresh air ventilation recommended;
- On-site working is the norm with teleworking possible according to OC7: [https://cds.cern.ch/record/2779005/files/Operational\\_circular%20no7\\_Rev.2\\_EN.pdf](https://cds.cern.ch/record/2779005/files/Operational_circular%20no7_Rev.2_EN.pdf), which allows 40% of contractual hours of telework in any two-week period. In case of specific needs, such as vulnerabilities for example, members of personnel should discuss individual arrangements with their supervisor;
- It is no longer obligatory to carry proximity detectors, though you should keep yours safe in case it is needed in the future;
- If you have symptoms, have tested positive for COVID-19 or are a close contact, you must still declare on TRAMED (<https://tramed.web.cern.ch>), and follow the instructions you will be provided with by the Medical Service. You are also expected to follow the quarantine and isolation rules applicable in your Host State of residence.

# Meeting Details (Covid-19 matters)

**Today:** Hybrid GDB meeting

Expect future pre-GDBs and GDBs to run in this Hybrid format, since travels and use of CERN rooms are permitted these days



# Meeting summaries

The co-chairs try to take notes for the meetings, but sometimes we are busy running the meeting the notes can possibly be lacking (**in fact they are!**):

<https://twiki.cern.ch/twiki/bin/view/LCG/WLCGGDBDocs>

- if **you take notes, please share them with us**, so we can merge the information and make the summaries more complete
- We **record** the sessions **LIVE** as we integrate the videos into the agenda as well

# Today's topics

Thematic CERN School of Computing on Security: summary [[S.Lopienski](#)]  
ARC 7 features and release plans [[B. Konya](#)]

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Morning  
Afternoon

Overview of Lumi system (EuroHPC) [[A. Azab](#)]  
Resource Trust Evolution TF status [[D. Crooks](#)]  
Authz WG status - token transitions [[H. Short & M. Litmaath](#)]

→ **Thanks in advance to all of today's speakers!**

# Next pre-GDBs

## **DPM: next steps/actions by regions?**

[follow-up with regions] - interest in a pre-GDB based on feedback after recent GDB talks?

## **CTA migrations**

[follow-up from November 2021 pre-GDB] - get together and discussions from sites migrating or already migrating to CTA, CTA and Storage Services developers

## **Archival Storage**

We had a fairly hardware-focused pre-GDB last year, time for a new GDB, maybe with more focus on services and delivery?

# Remote GDB

## **CernVM/cvmfs workshop September 12th-14th**

Will include a co-located in-person/hybrid GDB on the 14th.

<https://indico.cern.ch/event/1079490/>

# pre-GDBs/GDBs organization

Please consider using pre-GDB lots to organize topical sessions!

Let Mattias and myself know if you have topics to bring to the thematic pre-GDBs or GDBs

Also, let us know if you would like things to happen/improve!

You can email us or use the **GDB mattermost channel**:

<https://mattermost.web.cern.ch/wlcg-gdb/channels/wlcg-gdb>



# Upcoming meetings

**Main CERN School of Computing 2022:** 28 Aug.-10 Sep. 2022, Krakow, Poland [\[link\]](#)

**Nordunet conference 2022:** 13-15 Sept. 2022, Reykjavik, Iceland [\[link\]](#)

**PyHEP 2022 (virtual):** 12-16 Sept. [\[link\]](#)

**CernVM workshop (including GDB):** 12-14 Sept. 2022, Amsterdam, Netherlands [\[link\]](#)

**HTCondor and ARC token hackathon:** 15-16 Sept. 2022, Amsterdam, Netherlands [\[link\]](#)

**WLCG CPU Benchmark TF HEPscore Workshop:** 19-20 Sept., CERN [\[link\]](#)

**Future Trends in Nuclear Physics Computing:** 28-30 Sept. 2022, Stonybrook University, USA

**HTCondor Workshop Autumn 2022:** 10-13 Oct. 2022 (aim for an in-person workshop - finalising details)

**LHCOPN/LHCONE Workshop:** 24-25 Oct. 2022 [\[link\]](#)

**ACAT 2022:** 24-28 Oct. 2022, Bari, Italy [\[link\]](#)

**WLCG Workshop + Rucio Workshop:** 7-11 Nov. 2022, Lancaster, UK [\[confirmed\]](#)

**6th Asia Tier Center Forum:** 21-24 Nov. 2022, Krabi, Thailand

➡ Anything we've missed, let us know & we'll add it to the slide

\* Please, refer to the HSF calendar for detailed meetings info: <https://hepsoftwarefoundation.org/future-events.html>

# WLCG CPU Benchmark Taskforce HEPScore Workshop

WLCG CPU Benchmark Taskforce HEPScore Workshop at CERN 19-20 Sept.

<https://indico.cern.ch/event/1170924/>

TF is now lead by **Domenico Giordano** and **Randall Sobie**

The goal of the workshop is to discuss the optimal configuration of a CPU benchmark, based on HEP experiment workloads, that would replace the current HEPspec06 benchmark

The HEPspec06 benchmark has been a reliable estimate of CPU performance for many years, and is still used for accounting and pledges. However, HEPspec06 is based on the SPEC2006 benchmark that is no longer supported

Further, it uses routines that do not reflect those used by the HEP community and will not provide benchmark for the new CPU+GPU systems

***The aim of the workshop is to identify a candidate benchmark that can be presented to the WLCG and the HEP community***

# WLCG CPU Benchmark Taskforce HEPscore Workshop

10:00	<b>Welcome and purpose of the workshop</b> <i>6/R-012 - conference room, CERN</i>	10:00 - 10:05
	<b>Overview o the work done by the Task Force and the Working Group</b> <i>6/R-012 - conference room, CERN</i>	10:05 - 10:35
	<b>Analysis of the Measurement Campaign</b> <i>6/R-012 - conference room, CERN</i>	10:35 - 11:15
11:00	<b>HEPscore candidates</b> <i>6/R-012 - conference room, CERN</i>	11:15 - 11:45
	<b>The Benchmark DB (demo how to use it)</b> <i>6/R-012 - conference room, CERN</i>	11:45 - 12:05
12:00	<b>Lunch Break</b>	
13:00		
	<i>6/R-012 - conference room, CERN</i>	12:05 - 14:00
14:00	<b>Profiling of HEP Workloads</b> <i>6/R-012 - conference room, CERN</i>	14:00 - 14:30
	<b>Alice Workload</b> <i>6/R-012 - conference room, CERN</i>	14:30 - 14:45
	<b>Atlas worloads</b> <i>6/R-012 - conference room, CERN</i>	14:45 - 15:00
15:00	<b>CMS worloads</b> <i>6/R-012 - conference room, CERN</i>	15:00 - 15:15
	<b>IGWN workload</b> <i>6/R-012 - conference room, CERN</i>	15:15 - 15:30
	<b>Coffee break</b> <i>6/R-012 - conference room, CERN</i>	15:30 - 15:50
16:00	<b>Juno workload</b> <i>6/R-012 - conference room, CERN</i>	15:50 - 16:05
	<b>LHCb workload</b> <i>6/R-012 - conference room, CERN</i>	16:05 - 16:20
	<b>The experience of some data centres in running the suite</b> <i>6/R-012 - conference room, CERN</i>	16:20 - 17:00
17:00		

## Preliminary Agenda Sept 19-20 2022

encouraging participants to register  
(there is no cost)!

09:00	<b>Integration of HEPscore in the accounting system: Multiple talks</b> <i>6/R-012 - conference room, CERN</i>	09:00 - 09:45
	<b>Golden candidates for HEPscore</b> <i>6/R-012 - conference room, CERN</i>	09:45 - 10:15
10:00		
	<b>Madgraph on CPU</b> <i>6/R-012 - conference room, CERN</i>	10:25 - 10:45
	<b>CMS ParticleFlow with ML</b> <i>6/R-012 - conference room, CERN</i>	10:45 - 11:05
11:00	<b>Coffee break</b> <i>6/R-012 - conference room, CERN</i>	11:05 - 11:25
	<b>CMS HLT-like</b> <i>6/R-012 - conference room, CERN</i>	11:25 - 11:40
	<b>Experience running workloads on CPU+GPU at HPC</b> <i>6/R-012 - conference room, CERN</i>	11:40 - 12:00
12:00	<b>Run HEPscore "light" on grid</b> <i>6/R-012 - conference room, CERN</i>	12:00 - 12:20
	<b>Lunch Break</b>	
13:00		
	<i>6/R-012 - conference room, CERN</i>	12:20 - 13:50
14:00	<b>Measurements of Power Consumption</b> <i>6/R-012 - conference room, CERN</i>	13:50 - 14:50

# Questions?

GDB indico category: <https://indico.cern.ch/category/6890/>

