WLCG Open Technical Forum #1 Introduction

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WLCG OTF #1 - November 13, 2024

Welcome!

Welcome to the first WLCG Open Technical Forum (OTF) meeting!

This series of meetings is organized by the WLCG Technical Coordination Board (TCB), which is chaired by Alessandro and James:

- The goals of the TCB include producing and socializing within the community a Technical Roadmap for the evolution of WLCG services and infrastructures.
- Some of the membership of the Board is *ex officio*. The rest of the membership will be recruited soon. Our goal is to have a small enough board to be functional, productive, and able to build consensus, but also be open, inclusive, and regionally diverse.
- The detailed charge of the TCB was presented, discussed, and endorsed at the October WLCG MB #322 [Indico].

Some Practical Matters

This is a hybrid event, in person at CERN and on Zoom.

- Let's please remember good practices learned during the Pandemic: In the room, please state your name and institute when speaking, and let's try to raise hands to speak in the room and on Zoom.
- Live notes can be taken here. Please contribute!

The Role of the Open Technical Forum

The OTF is an essential component of this process: a "bottom-up approach … which welcomes the participation of all contributors to the technical evolution of the WLCG community." - *Draft of WLCG MoU Annex 3.1, shown at the July WLCG MB#319 [Indico].*

Today we will hear presentations on tokens, CernVM, and DOMA-related topics such as mini-challenges, XRootD and FTS.

Thank you to the DOMA conveners for co-scheduling the DOMA General meeting with the first OTF!

In the discussions, we are particularly interested in focusing on identifying:

- any gaps in functionality or scalability foreseen for HL-LHC?
- any lack of consensus on timelines or milestones on the roadmap?
- how can we help facilitate coordination between experiments, sites, developers and other stakeholders?

Administrative Matters

There are 3 new CERN e-groups:

- **`wlcg-technical-coordinators`** (to contact Ale & James)
- **`wlcg-technical-coordination-board`** (currently with ex-officio members included only, to be populated with the membership of the TCB)
- **`wlcg-open-technical-forum`** (**open to self-subscription, please join!**)

and two new Indico categories:

- WLCG Technical Coordination Board: https://indico.cern.ch/category/18888/
- WLCG Open Technical Forum: https://indico.cern.ch/category/18889/

The GDB e-groups will eventually be archived but for now we are also using project-lcg-gdb to publicize OTF meetings.
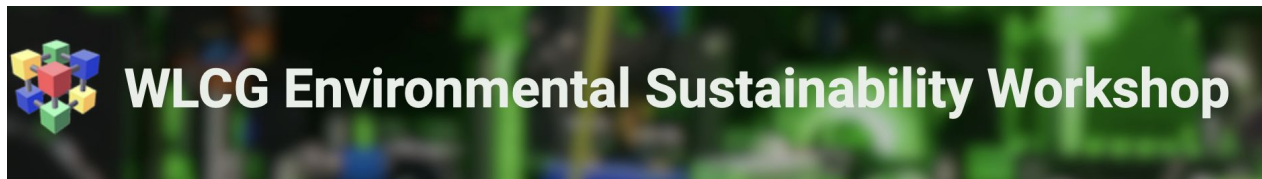
Open Technical Forum: Schedule and Agenda

The second OTF meeting will take place on Tuesday, December 10th [Indico]. Tentative topic: WLCG Storage pledge wrt storage performance.

- Please register if you plan to attend in person.
- The WLCG Environmental Sustainability Workshop [Indico] will take place December 11-13th.
- We will likely have an inaugural meeting of the TCB around that time as well to begin planning the Roadmap.

Third OTF will likely be in early February 2025.

- N.B. The first week of February has the ATLAS and CMS software and computing weeks and the LHCb analysis and software week.

Time		Session	
13:00 → 13:20		**Introduction**	20m
		Speakers: Alessandro Di Girolamo (CERN), James Letts (Univ. of California San Diego (US))	
13:20 → 14:20		**Tokens**	
		Conveners: Jose Carlos Luna Duran (CERN), Maarten Litmaath (CERN), Martin Barisits (CERN), Petr Vokac (Czech Technical University in Prague (CZ))	
14:20 → 14:40		**CernVM workshop summary and plans**	20m
15:00 → 15:30		**Coffee/Tea Break**	
15:30 → 17:00		**WLCG/DOMA General Meeting**	
		Conveners: Johannes Elmsheuser (Brookhaven National Laboratory (US)), Katy Ellis (Science and Technology Facilities Council STFC (GB))	
		Link to Agenda	
17:00 → 17:15		**Closeout**	15m

WLCG Environmental Sustainability Workshop

The Process of Technical Coordination

Future Possible Topics for the TCB & OTF

A non-exhaustive list!

- Data challenge strategic goals
- Token transition
- New storage architectures
- Analysis ecosystems (including how infrastructure will be shared with production activities)
- Networking
- Heterogeneous architectures
- HPC/Cloud/external resources integration
- Distributed computing infrastructures
- Environmental sustainability
- Data and Workflow management
- Services provided by sites, e.g. dCache (DESY), FTS (CERN)
- Onboarding new WLCG sites

Please contact us (wlcg-technical-coordinators @ cern.ch) to propose more topics and/or to propose your contributions on some of the topics.

Technical Coordination of WLCG Services and Infrastructures

Ultimately we have to deliver, agree on, and execute the Technical Roadmap.

- Format of the "chapters" of the Technical Roadmap - short, about 5 pages per service, functionality, or infrastructure.
- Each chapter driven by one or two people (e.g. TCB members, DOMA coordinators, WLCG Operations Coordinators, etc.) depending on interest or expertise.
- Common format for every chapter: We want a coherent document at the end so we need to agree on this format early in the process as well.
- Major timelines with milestones along the roadmap
- Maps can have more than one path to a destination - where are the decision points?

Comments or Questions?