

Introduction

David Foster

IT Deputy Department head

CERN

Quick Agenda

- Welcome
- Logistics
- LHCOPN Summary

Welcome!

- Many thanks to everyone attending GLIF at CERN!
- My special thanks also to:
 - Kristina Gunne for all the preparatory and logistics organisation.
 - Edoardo Martelli and CS group for the local technical support.

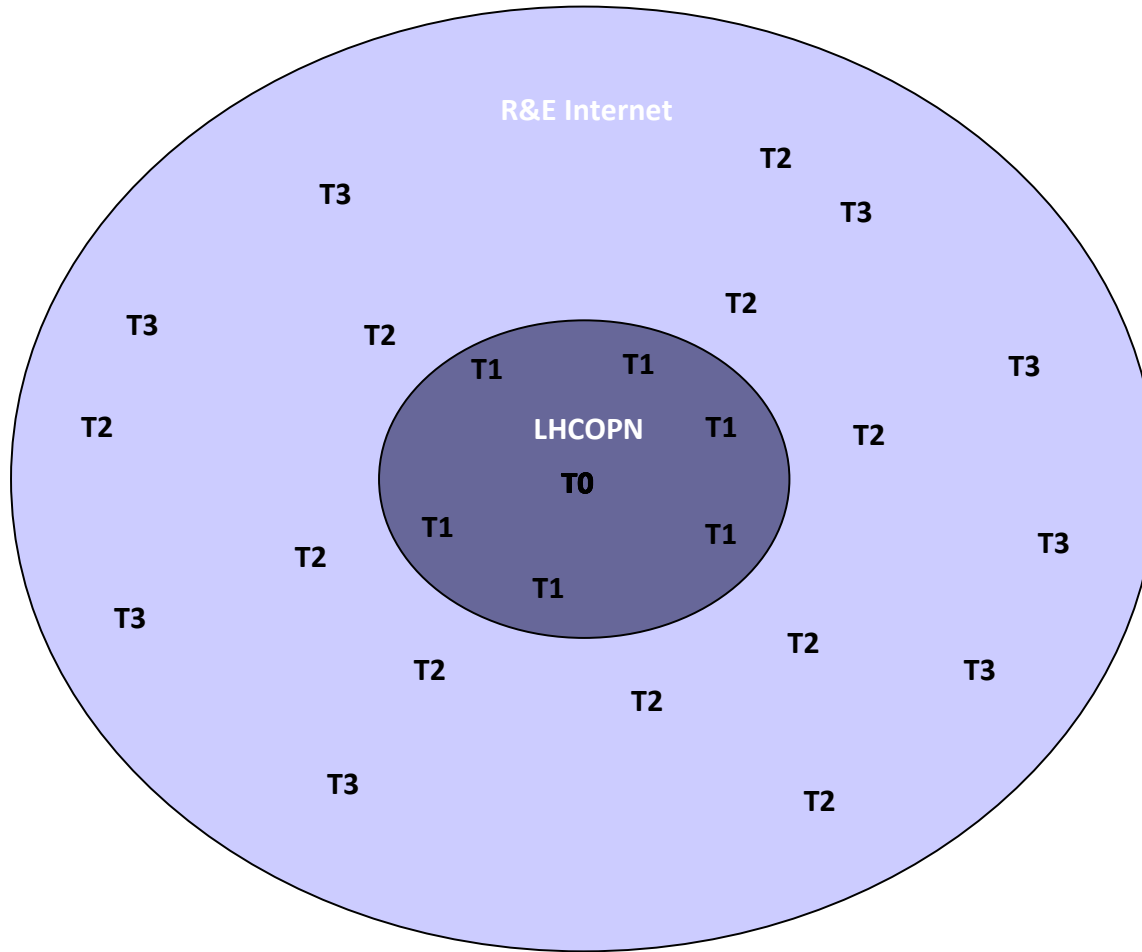
Some Logistics

- All registrants should make sure they pick up their lunch tickets at the secretariat outside of the main auditorium.
- Lunches: Self service: Pick up what you wish to eat and pay with the lunch ticket at the cash register. Each ticket is worth 16 CHF.
- Coffee breaks are served outside the main auditorium.
- Toilets are outside the main auditorium at your left.
- Dinner: Buses will leave from the Parking in front of the restaurant. Signs will be put in place. Please make sure you go to the buses immediately at the end of the demo session.
- For the return from dinner, the buses will make one stop at the central station and one stop at CERN.
- CERN visit on Thursday: An introduction to CERN will be given in the main auditorium at 17.30 to which you are all invited to take part. For the visit of the ATLAS control room after the presentation there are 40 places, for those who signed up.
- For all questions/issues contact the conference secretariat situated at the desk outside the main auditorium.

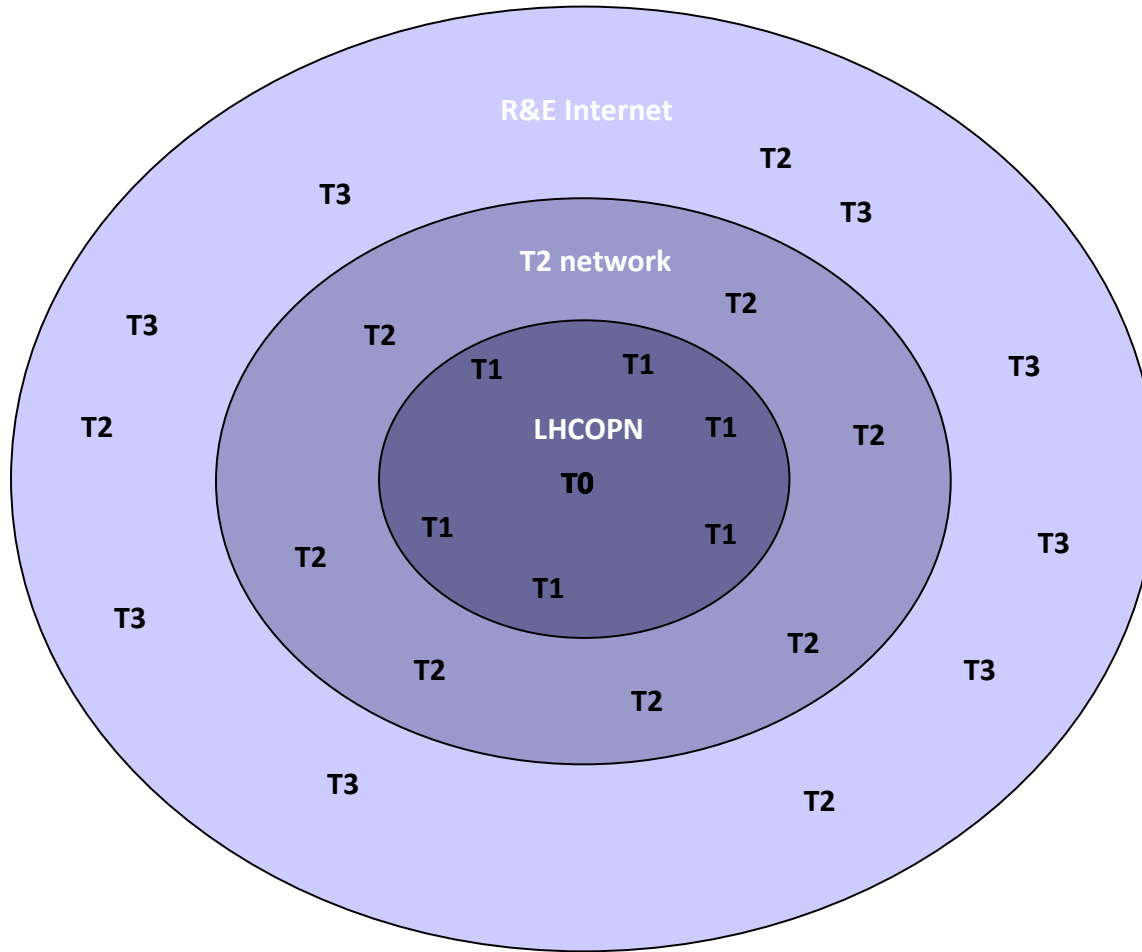
LHCOPN Summary in a few words

- Ian will introduce the emerging needs of the LHC experiments and the WLCG as we go forward from this point.
 - I want to just seed some ideas that are being discussed.
- Discussions have started in the LHCOPN groups on how we deal with the new challenges:
 - Traffic flows between T2 centers and other T2 and T1 centers are becoming large, exceeding the “comfort zone” of general purpose IP infrastructure providers.
 - This represents new opportunities to use emerging and existing infrastructures – they all have a part to play.
 - GLIF and GOLE’s (Open Lightpath exchanges)
 - Research Network Infrastructures.
 - Cross Border fibers.
 - Commercial Networks

WLCG connectivity - today



WLCG connectivity - tomorrow



Infrastructure of Infrastructures

- No central funding so organic growth based on need and capability is essential.
- Federated and Open, engaging all parties and using all opportunities for connecting .
- The devil is in the details! Funding, Operations, Interoperability etc **This is the real challenge.**

