1st FPGA Developers' Forum Meeting

CERN - 11-13 June 2024
Davide Cieri (Max-Planck-Institute for Physics)
on behalf of the FDF organising team

The FPGA Developers' Forum

The Forum has been established with the goal of creating an open community of FPGA developers from any background (industry and academia).

This meeting is meant as the founding block for the forum.

Meeting website: https://cern.ch/fdf

FDF 2024
FPGA Developers' Forum
an open space to discuss FPGA design

1st meeting
CERN, 11-13 June 2024

Organising Committee:
Nicolò Vladi Biesuz - INFN, IT
Filiberto Bonini - CERN, CH
Andrea Borga - Oliscience, NL
Davide Cieri (co-chair) - Max-Planck-Institute for Physics, DE
Christian Glaser - Uppsala University, SE
Francesco Gonnella (co-chair) - University of Birmingham, UK
Evangelia Gousiou - CERN, CH
Christian Krieg - TU Wien, AT
Mathieu Saccani - CERN, CH
Paschalis Vichoudis - CERN, CH
Tom Williams - RAL, UK
Rui Zou - Cornell University, US

cern.ch/fdf   fdf@cern.ch

Agenda

11/06

- 14.00 Introduction
- 15.10 Coffee break
- 15.50 Sharable HDL Cores
- 18.30 Meeting Photo

MORE INFORMATION

12/06

- 9.00 Digital Solutions
- 10.45 Coffee break
- 11.15 Algorithm implementation I
- 12.15 Lunch
- 13.45 Algorithm Implementation II
- 15.45 Tea Break
- 16.15 Tools I
- 19.30 Social Dinner

MORE INFORMATION

13/06

- 9.00 Tools II
- 10.45 Coffee Break
- 11.15 Tools III
- 12.20 Conclusions

MORE INFORMATION

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FDF Activities

Regular Seminars

Regular online seminars, with the same spirit of the forum will be held during the year.

Newsletter

A newsletter to stay informed about all the activities of the forum: Register here!

Discourse Forum

An online open forum to discuss all the aspects related to FPGA programming.

https://fpga-developers-forum.web.cern.ch/

Annual meeting

The annual occasion to meet other developers, and to discuss in person.

Discourse Forum: https://cern.ch/fdf-discourse

Forum Categories

Chat for Remote Questions

Meeting's Format

The atmosphere of the meeting should be friendly to foster discussion.

For this reason, the allocated time for the talks is most of the times longer than in standard (physics) conference.

All speakers kindly agreed to receive questions during the talk. Just raise your hand, and the chair will give you a microphone.

Recording and Photos

The meeting is live-streamed on https://cern.ch/fdf-webcast.

To ask a question from remote, login to our Discourse website and use the dedicated chat: https://cern.ch/fdf-qa.
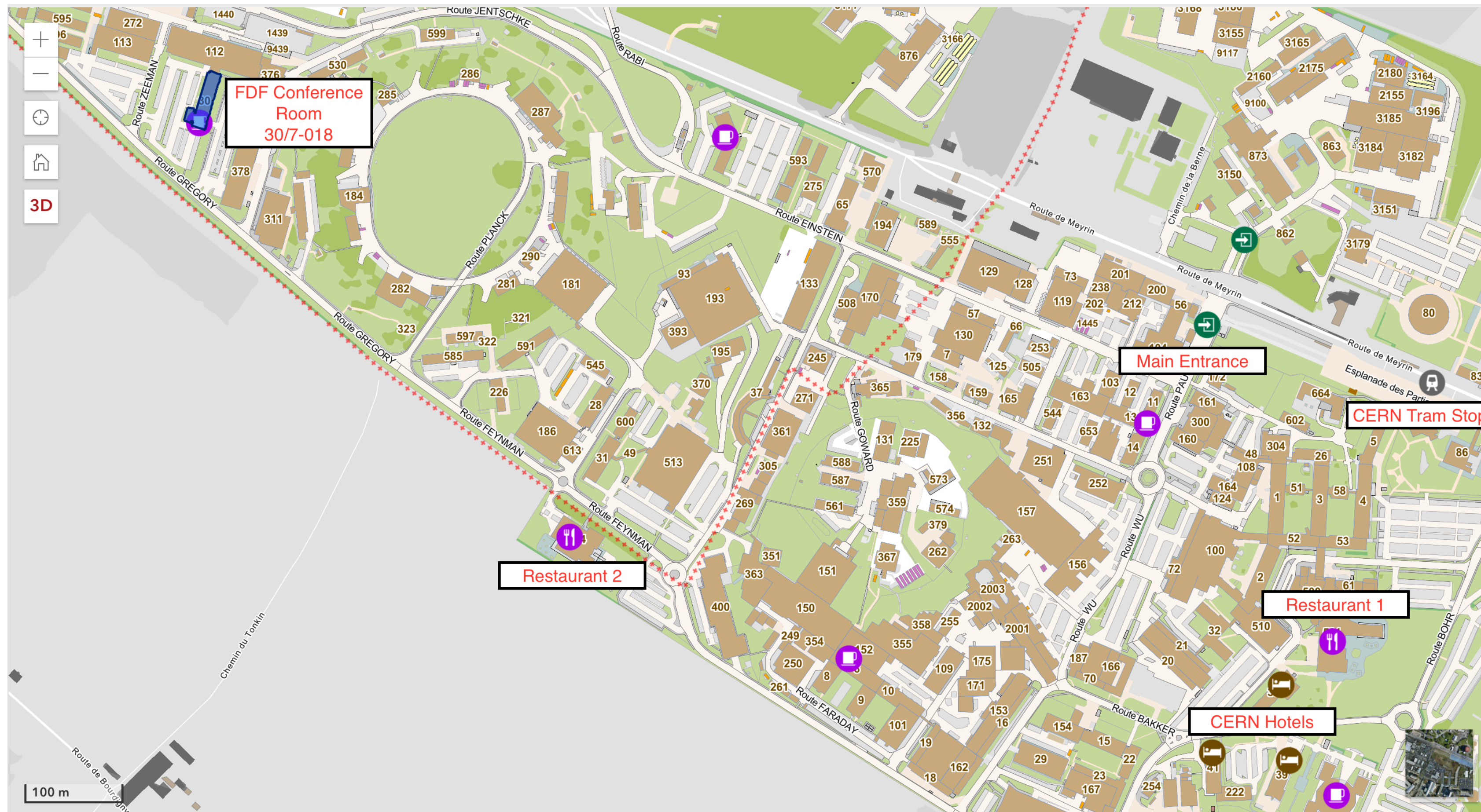
A recording of the meeting will be published later, on the CERN website and on YouTube.

We will also take photographs during the meeting. Please, let us know if you prefer not to be photographed.

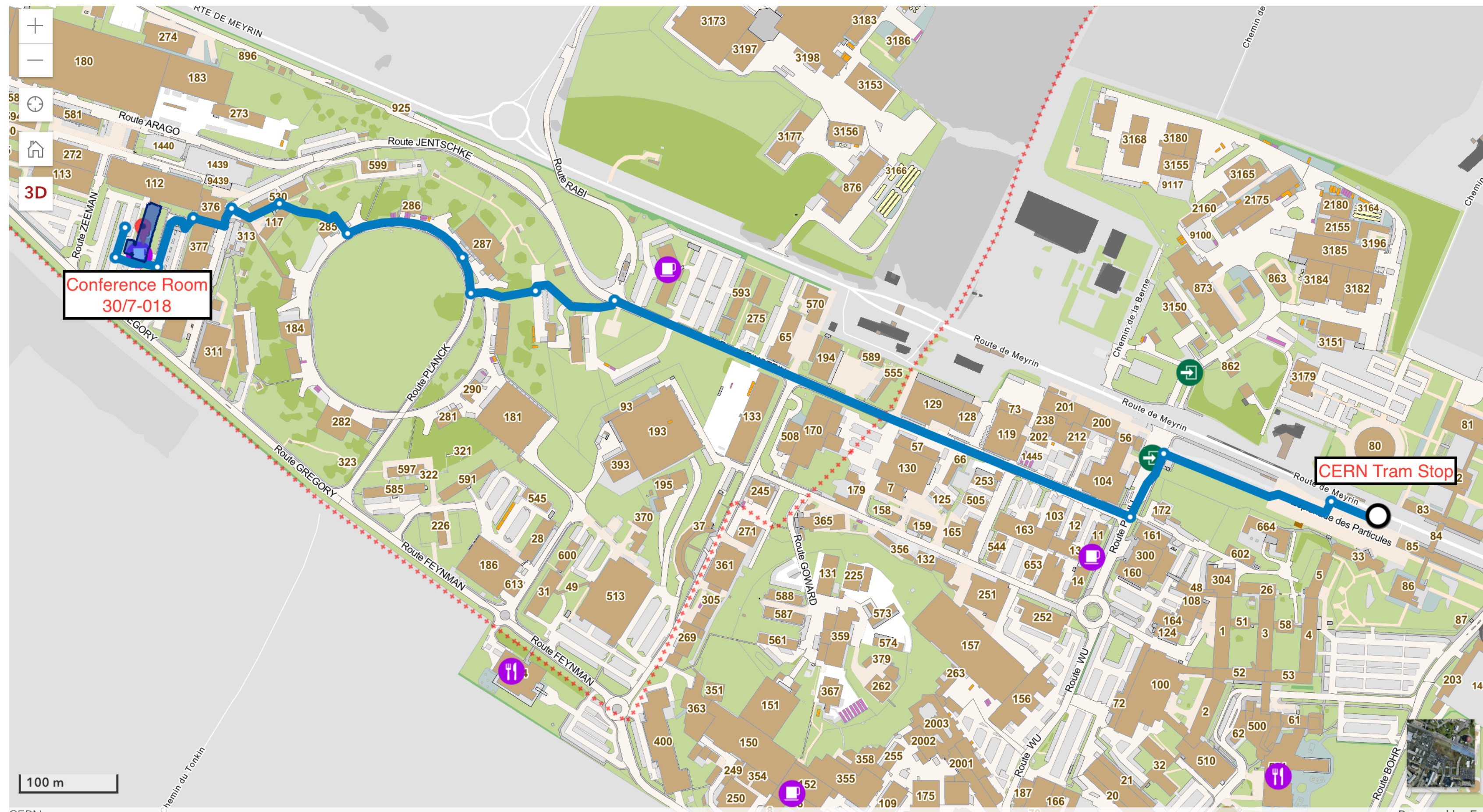Meeting photo will be today at 18.30 in front of this building.

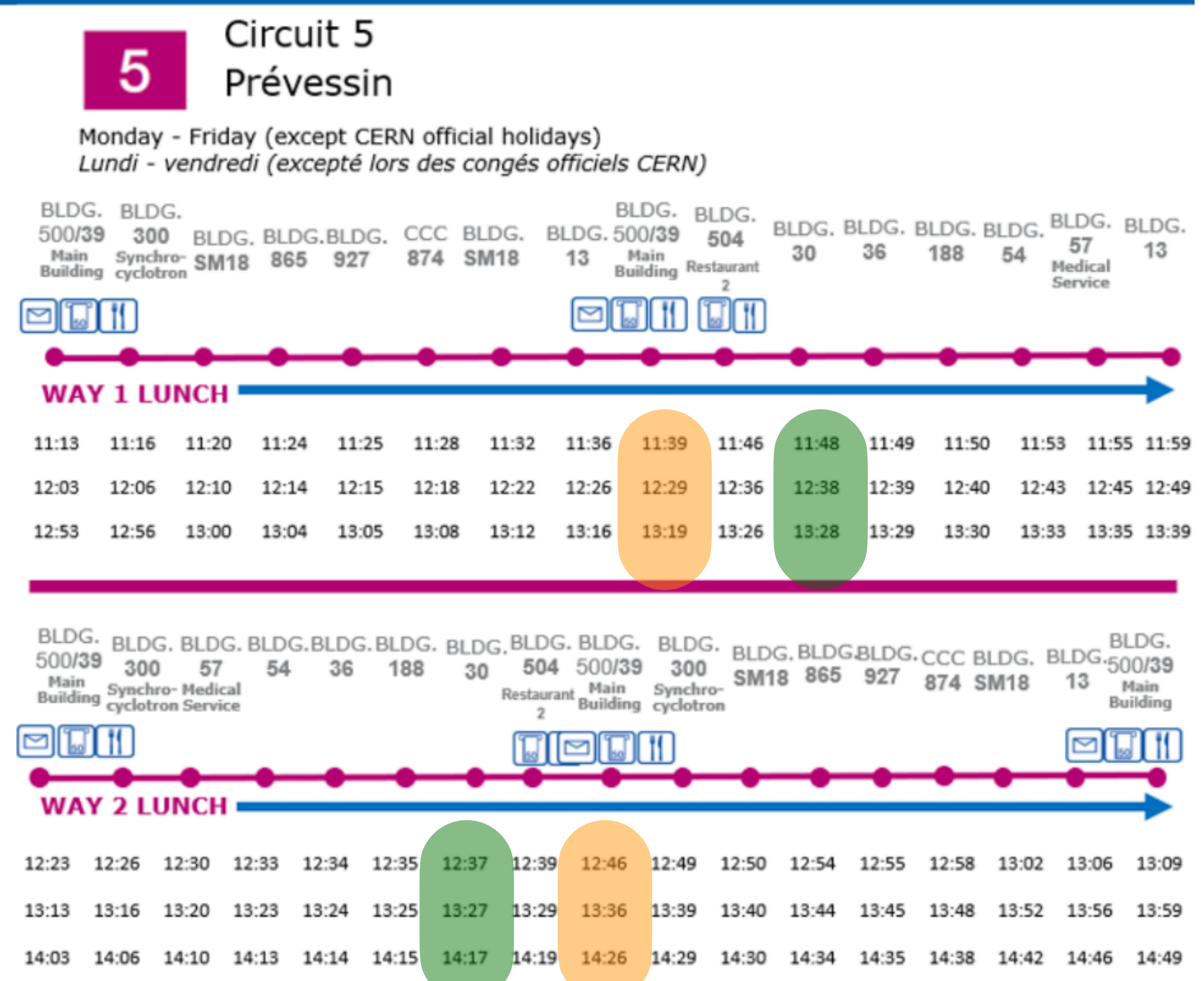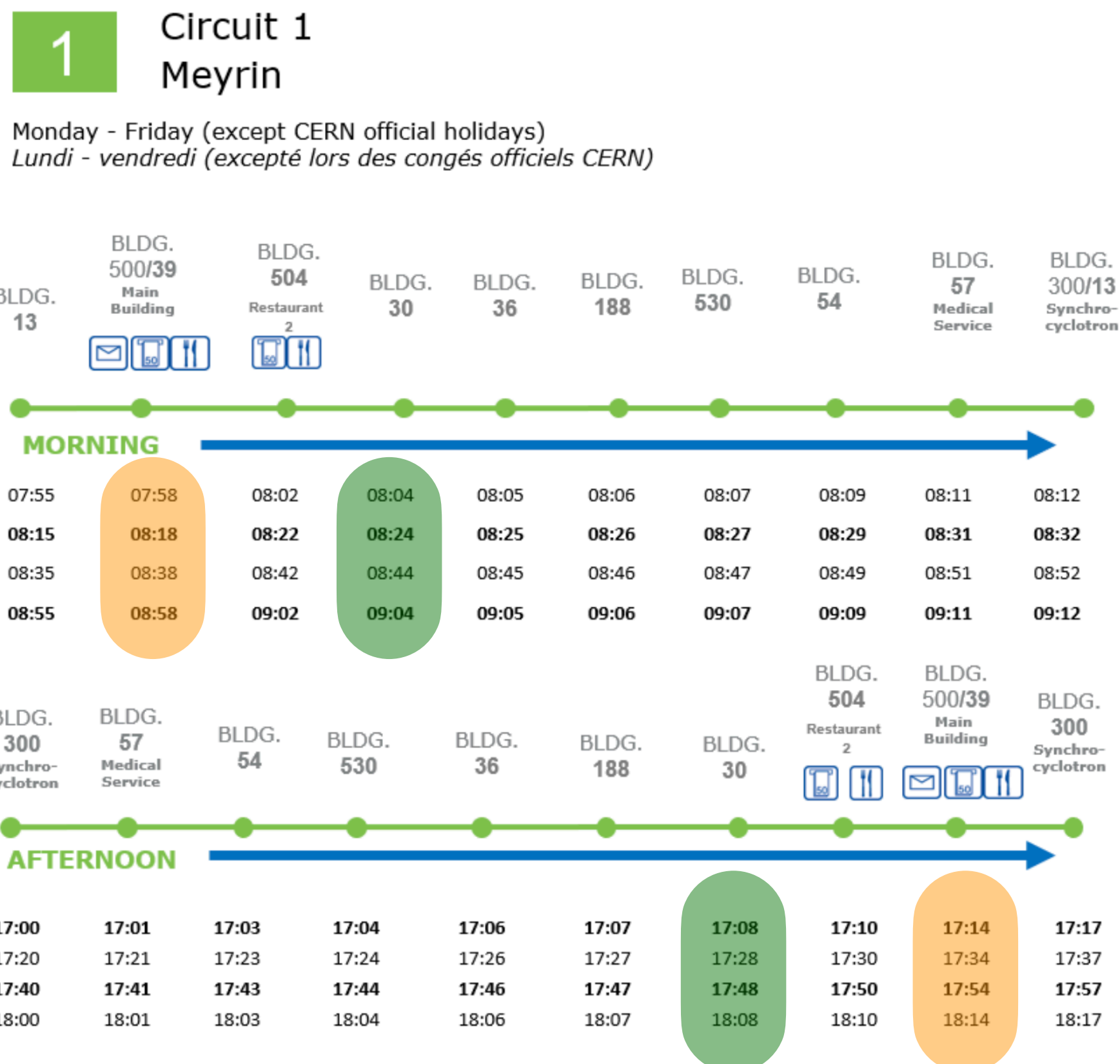# CERN Logistics

Move around with maps.cern.ch

CERN Logistics

Walking from building 30 to the tram stop requires ~20m
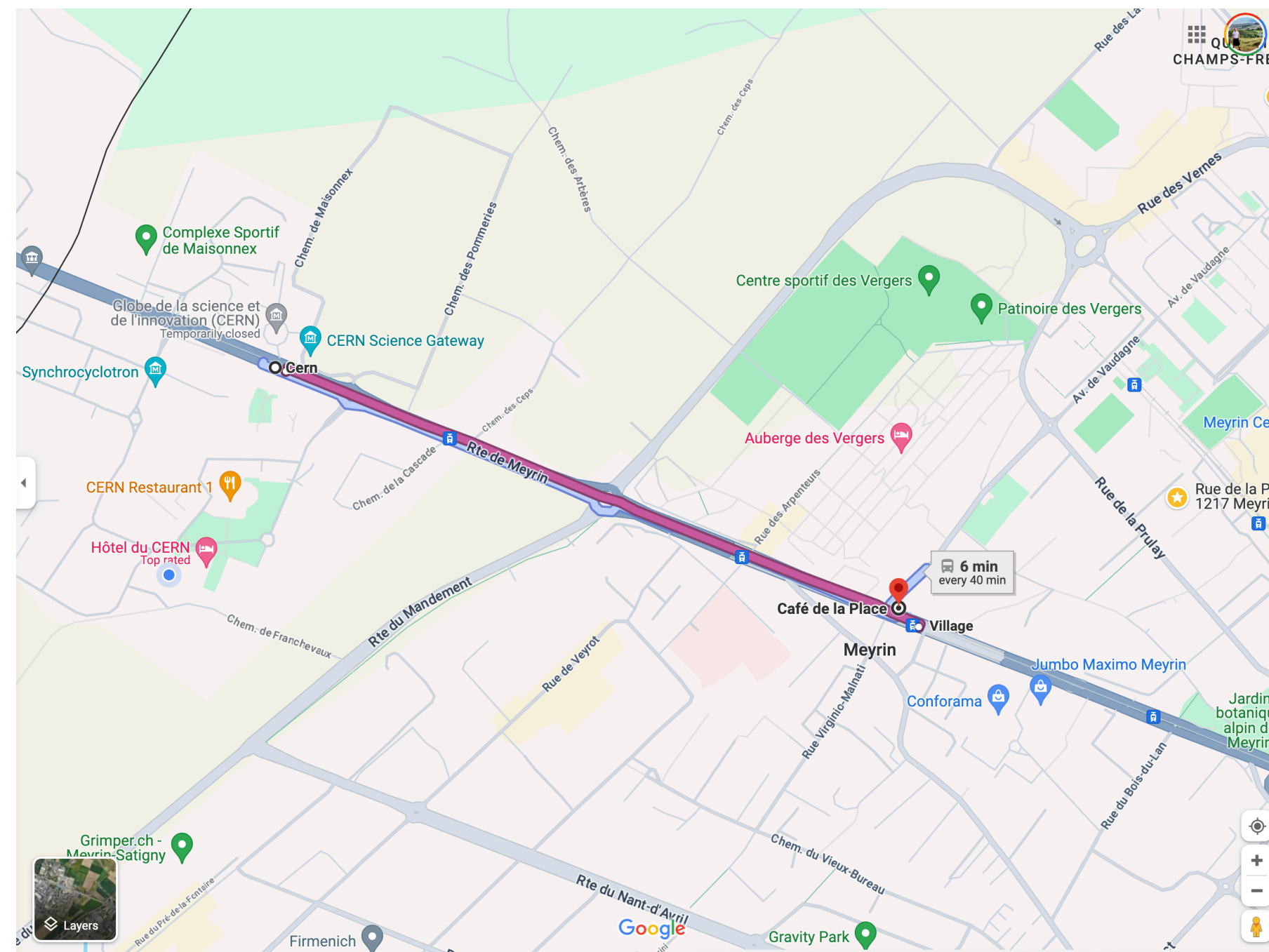
CERN Internal Bus

Internal CERN shuttle buses link **CERN hostel (building 39)** to **building 30** via circuit 1 (morning - evening) and circuit 5 (lunch time).

FDF Dinner

Dinner will be tomorrow at <u>Cafe de La Place in Meyrin</u> at 19.30.

Just 4m of tram from CERN stop. Some of us will walk from here tomorrow directly after the last session
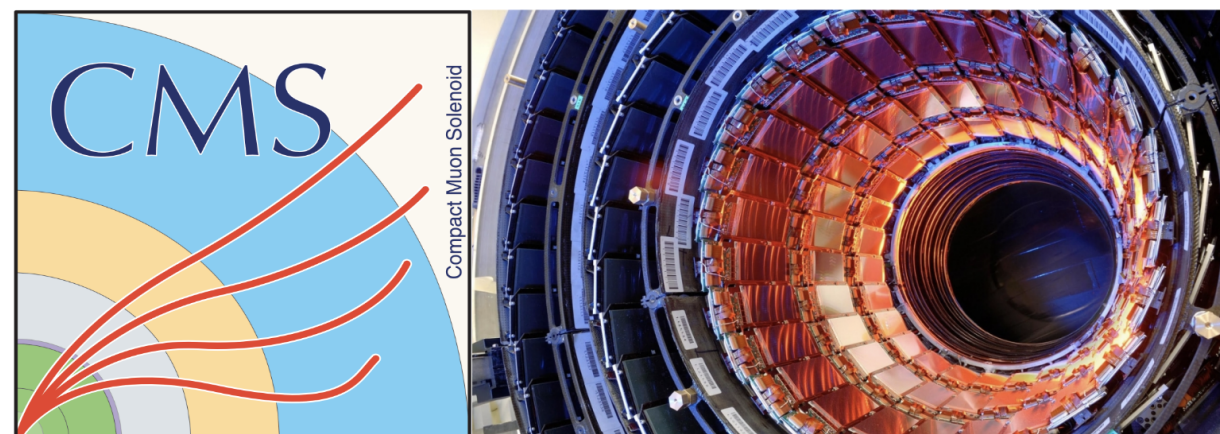
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CMS Tracker

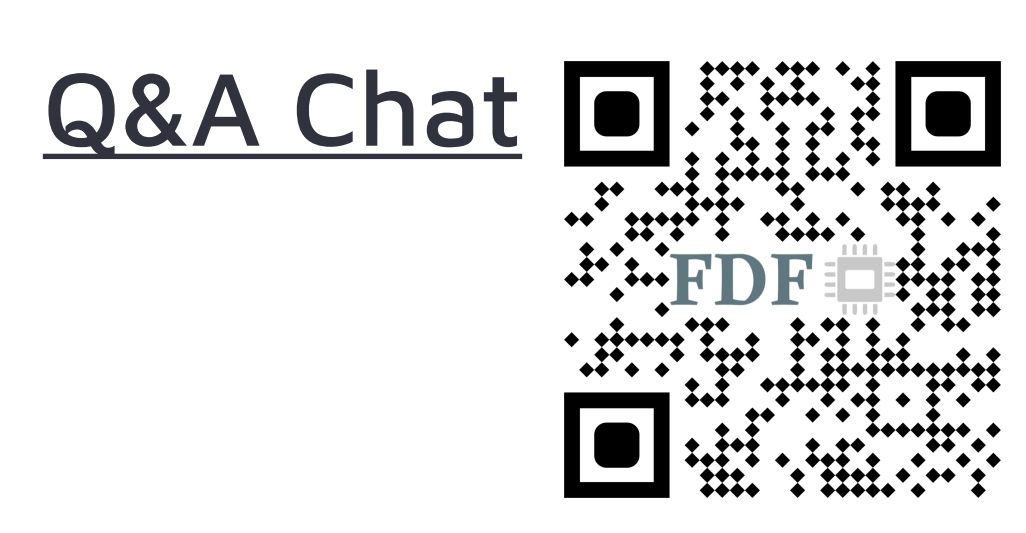n CAEN
Tools for Discovery

MAX PLANCK INSTITUTE FOR PHYSICS

CERN — ATS Common Hardware & Software Technologies Technical Board (CTTB)

FDF

Enjoy the meeting!