



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 Sacconi - CERN, CH
Paschalis Vichoudis - CERN, CH
Tom Williams - RAL, UK
Rui Zou - Cornell University, US


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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](#)

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>

The screenshot shows the Discourse forum interface for FDF. The left sidebar contains navigation options: Topics, My Posts, Review, Admin, FDF2024, More, Categories, Messages, and Channels. The 'Categories' section is highlighted with an orange box and includes: Algorithms, Digital Solutions, General, HDL development tools, Sharable HDL Cores, Site Feedback, Staff, and Verification and simulation... The 'Channels' section includes General and Meeting Q&A, with Meeting Q&A highlighted by a red box. The main content area shows a 'Latest' view of topics. A table lists topics with columns for Topic, Replies, Views, and Activity. The topics listed are: 'Welcome to FPGA Developers' Forum!' (General, 0 replies, 35 views, 5d), 'Admin Guide: Getting Started' (Staff, 0 replies, 2 views, 26d), and 'FAQ/Guidelines' (Staff, 1 reply, 1 view, 26d). Below the table, it states 'There are no more latest topics.' Annotations include an orange arrow pointing from the 'Categories' list to the text 'Forum Categories' and a red arrow pointing from the 'Meeting Q&A' channel to the text 'Chat for Remote Questions'.

Getting started

categories tags Latest Top Categories + New Topic

Topic	Replies	Views	Activity
Flagged posts and other queued items Welcome to FPGA Developers' Forum! 🙌 General	0	35	5d
Admin Guide: Getting Started Staff	0	2	26d
FAQ/Guidelines Staff	1	1	26d

There are no more latest topics.

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>.

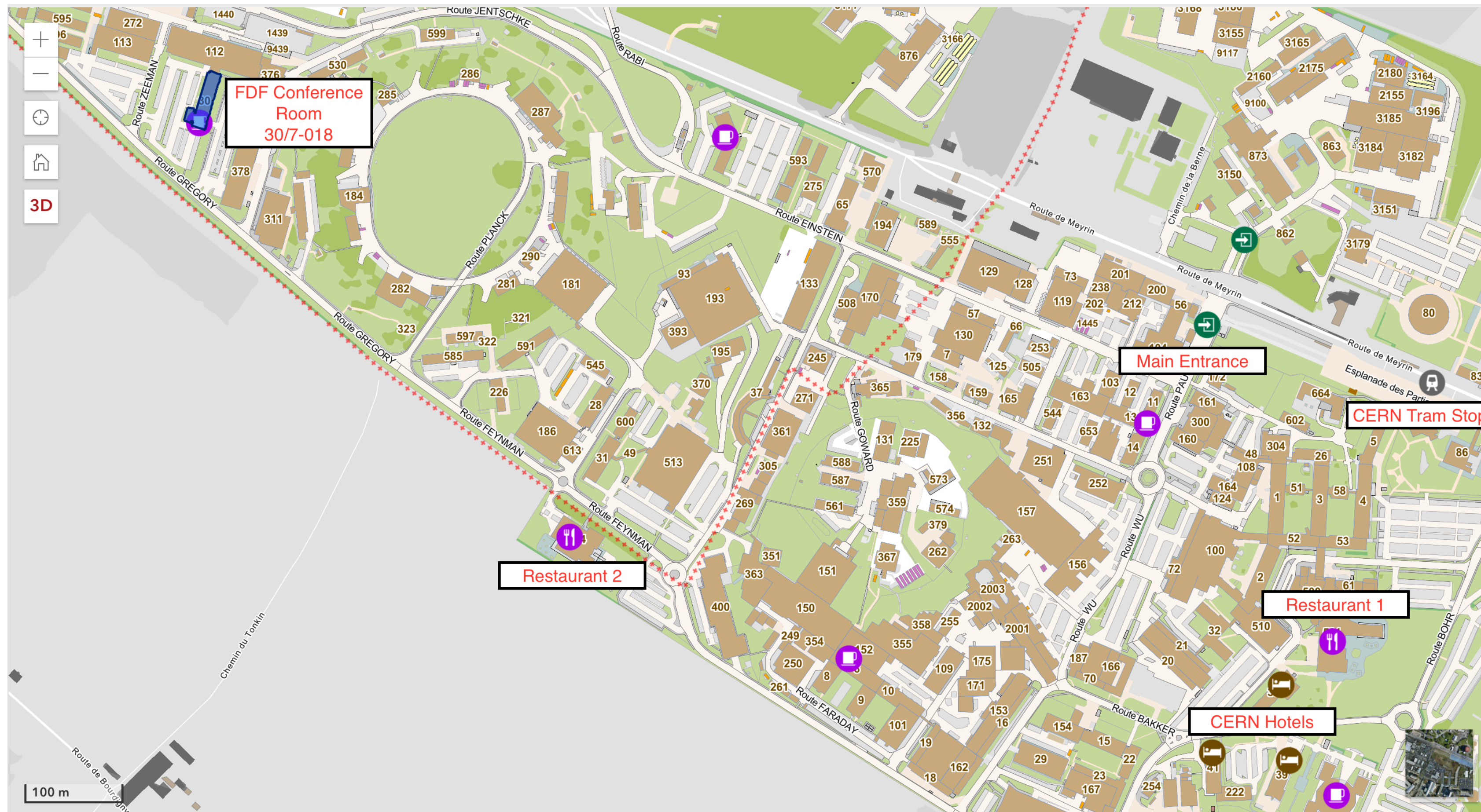
A recording of the meeting will be published later, on the CERN website and on YouTube.

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.

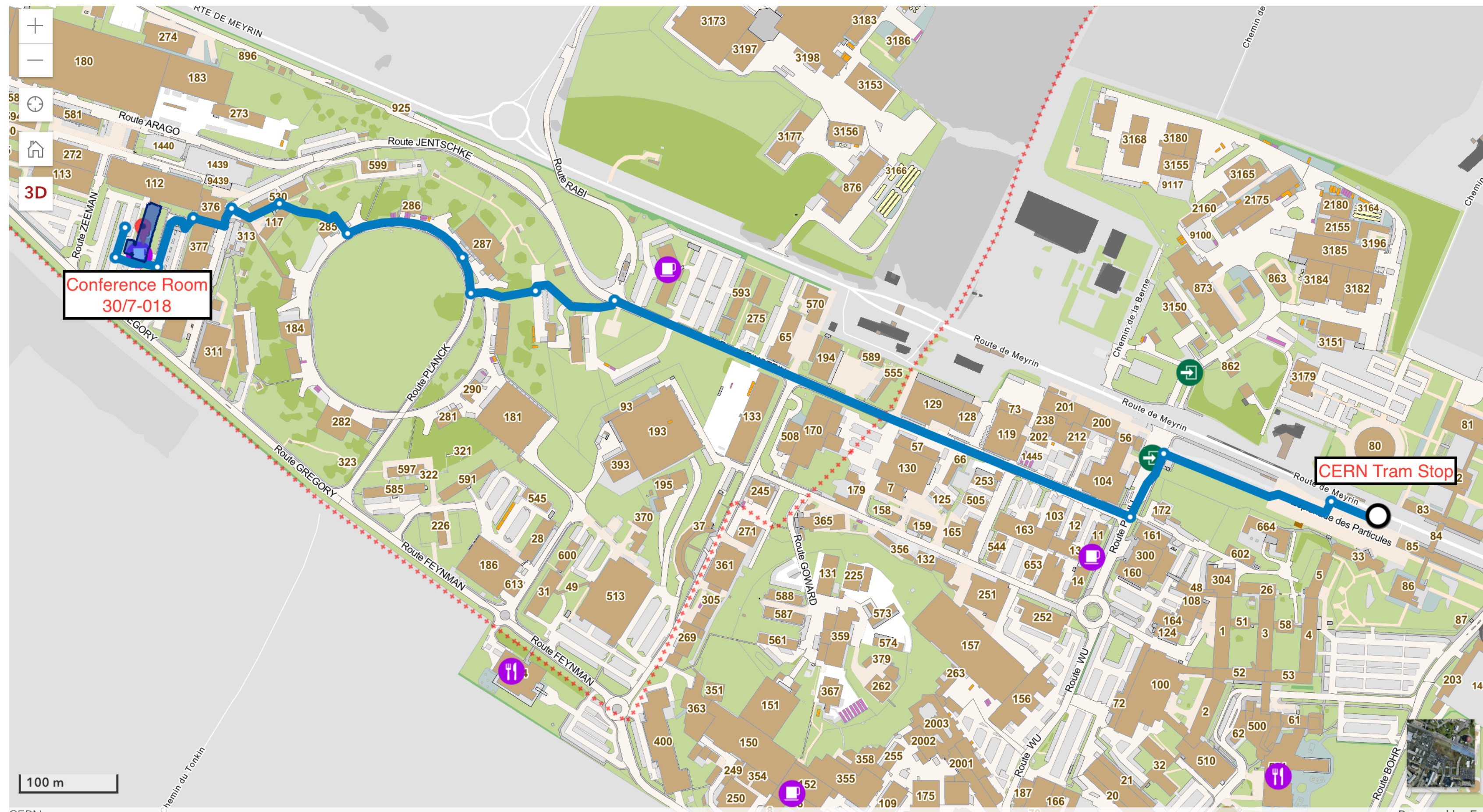
CERN Logistics

Move around with maps.cern.ch



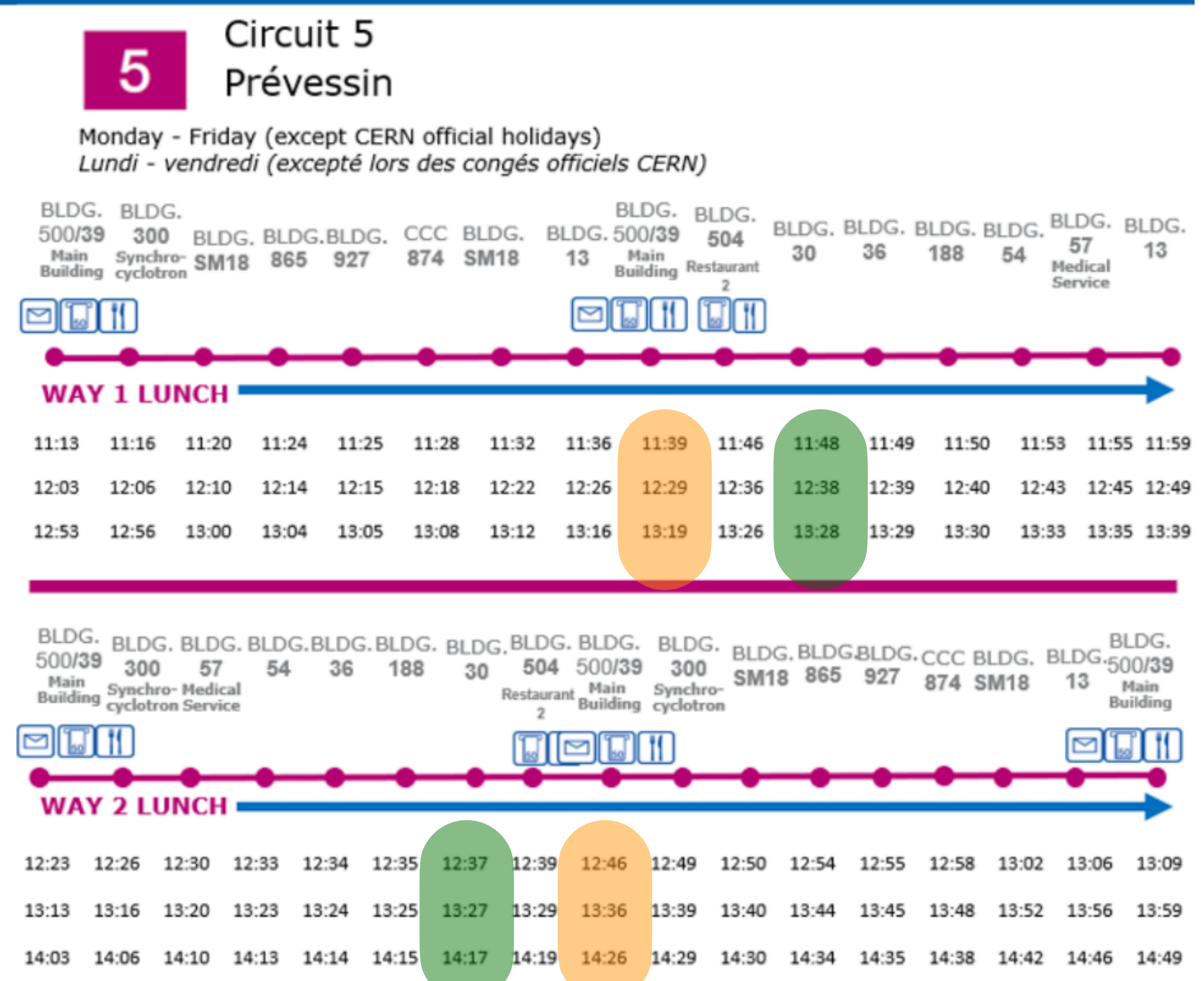
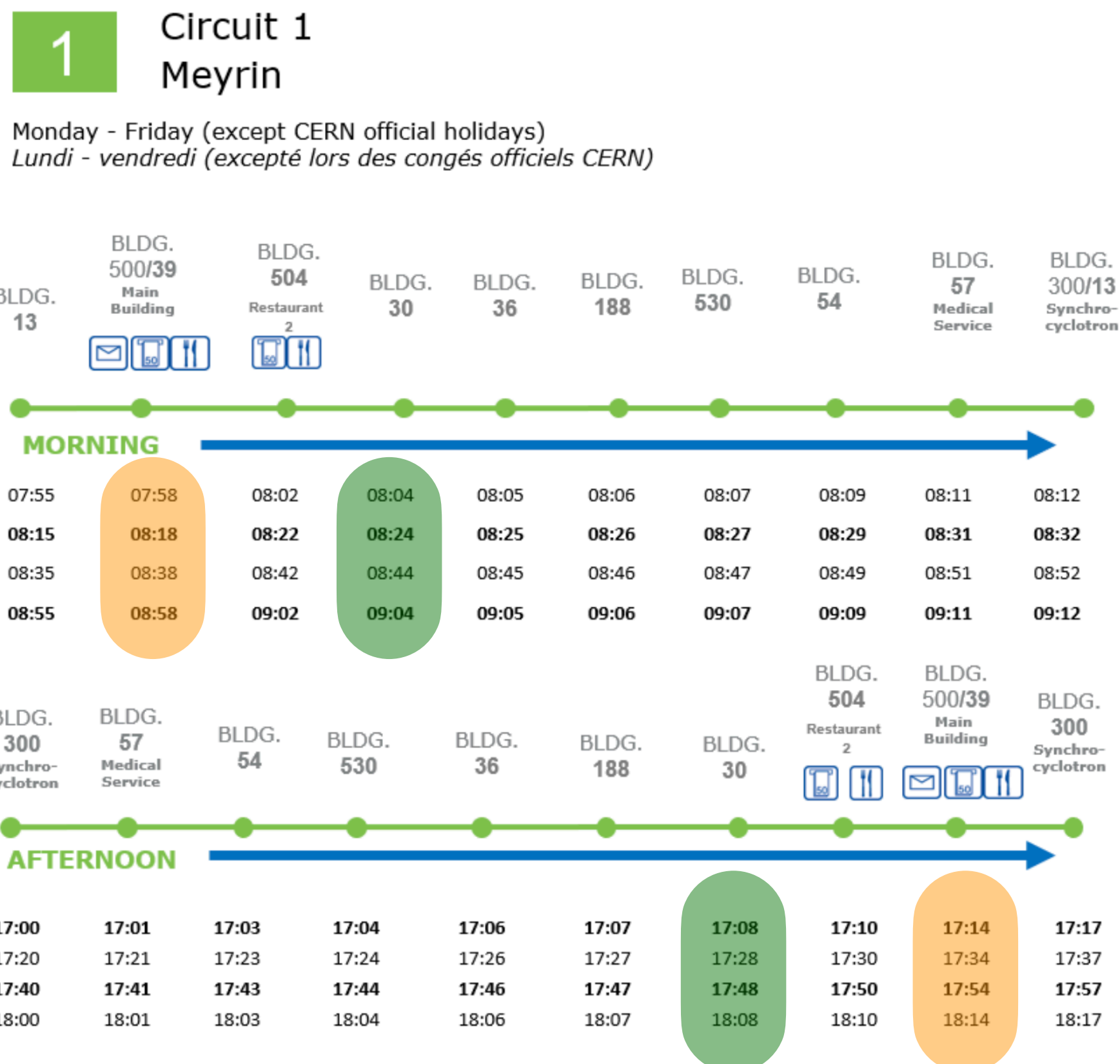
CERN Logistics

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



CERN Internal Bus

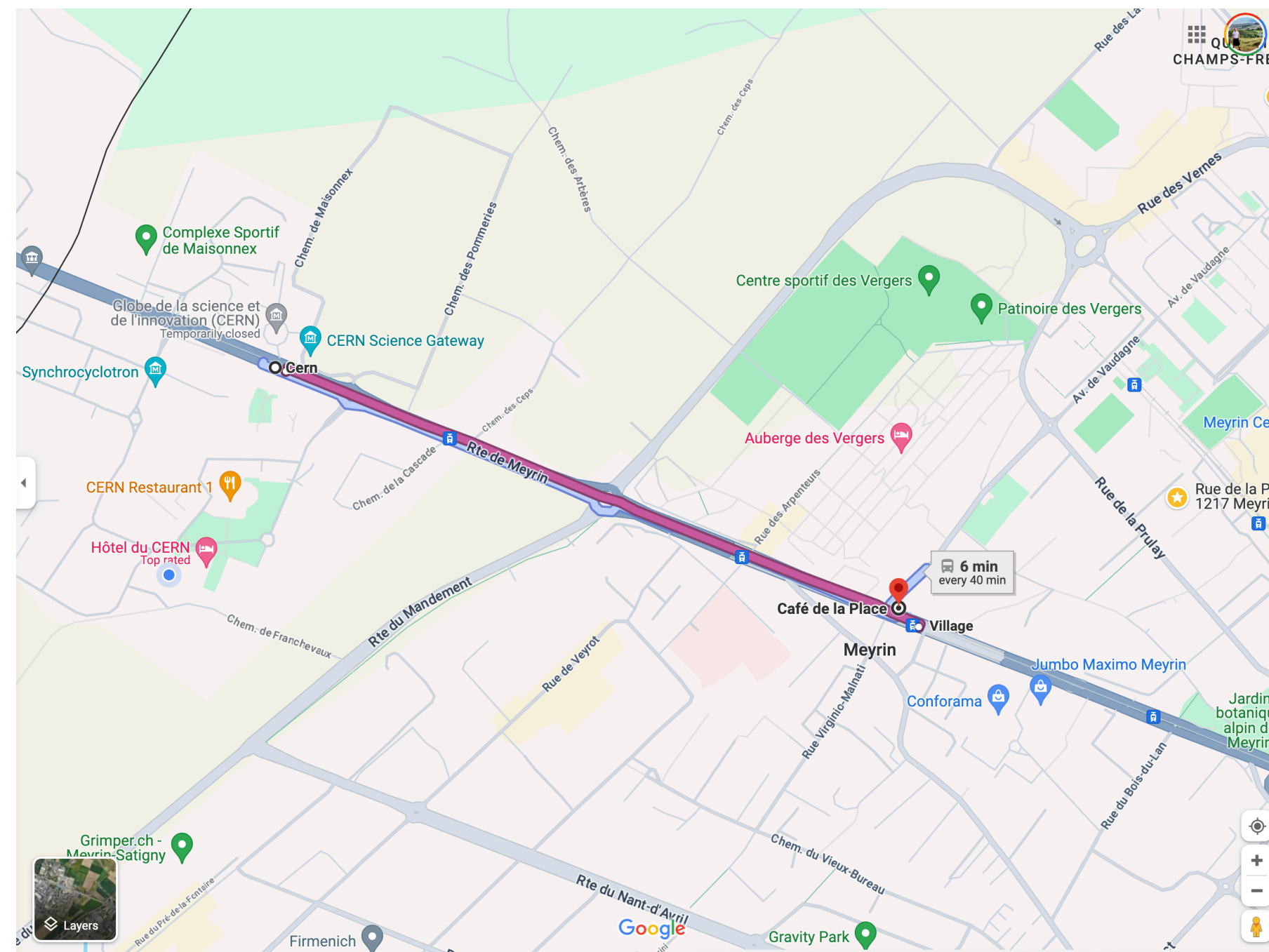
Internal CERN shuttle buses link **CERN hostel (building 39)** to **building 30** via circuit 1 (morning - evening) and circuit 5 (lunch time).



FDF Dinner

Dinner will be tomorrow at Cafe de La Place in Meyrin at 19.30.

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



Our Sponsors

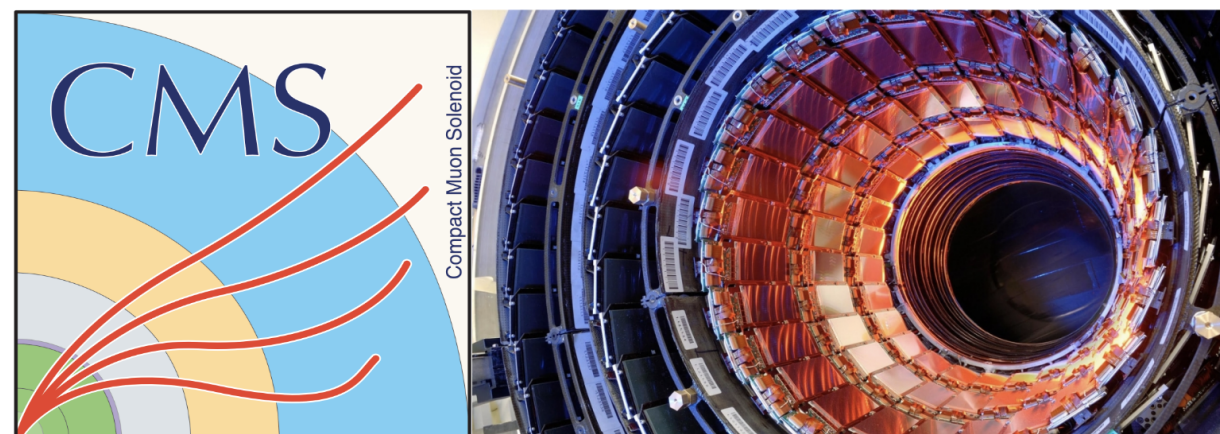


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CAEN

Tools for Discovery



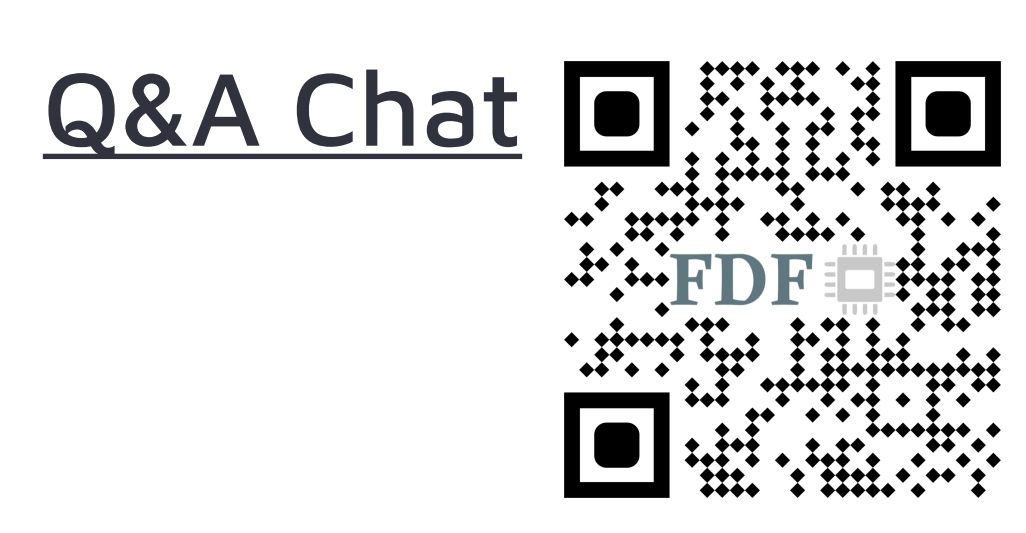
CMS Tracker



MAX PLANCK INSTITUTE
FOR PHYSICS



ATS Common Hardware & Software Technologies Technical Board (CTTB)



FDF

Enjoy the meeting!

