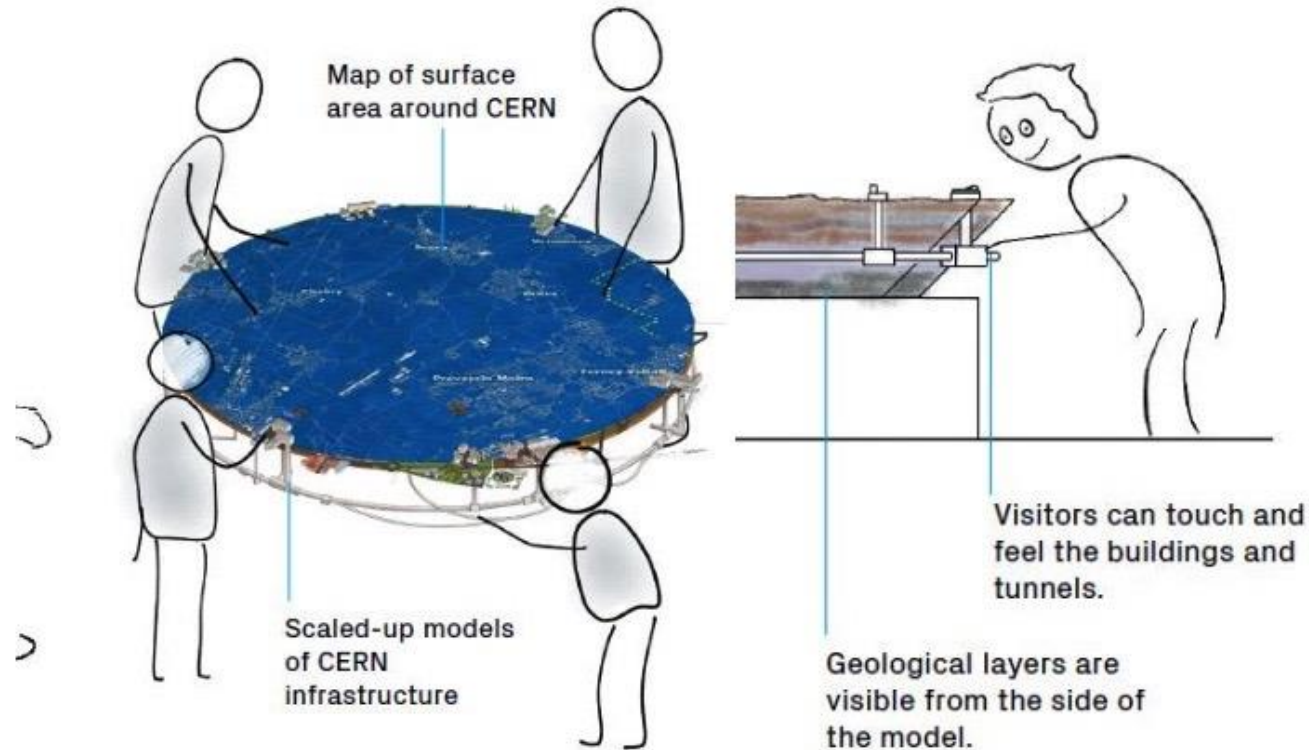


Accelerators interactive map

ACC-E-00

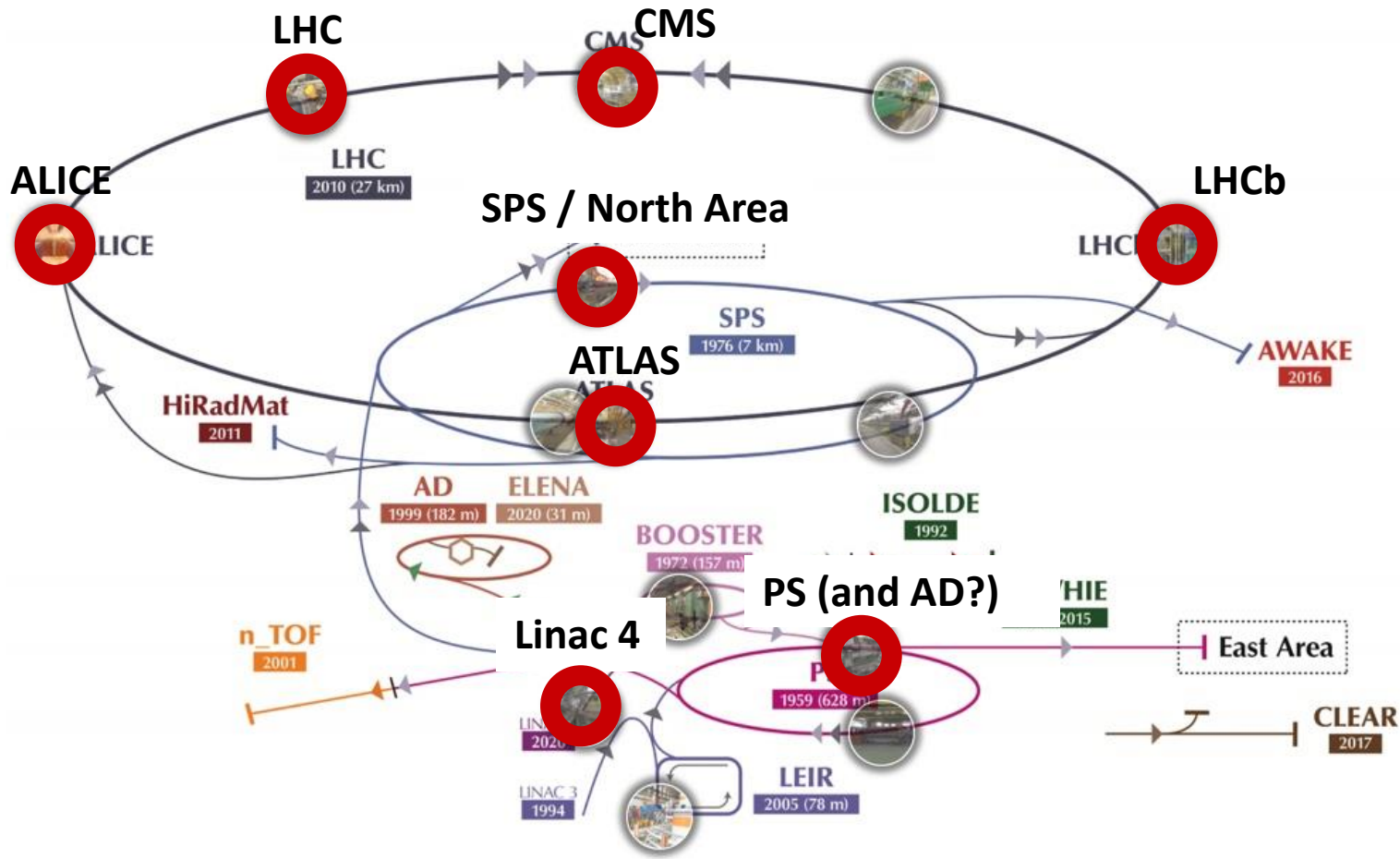
Acc-E-00

CERN accelerators network



- **A big 3 D model of CERN accelerator complex**
- **3D map of the CERN site in a drawer that can be pulled out to solve the scale problem**
- **8 viewing points**

Viewing points



Question:

- Other/different viewing points?
- How to visualise? Photo/Photo 360°/Movie

Animation: particle beam going through the accelerators – LED?

<https://videos.cern.ch/record/2020780>

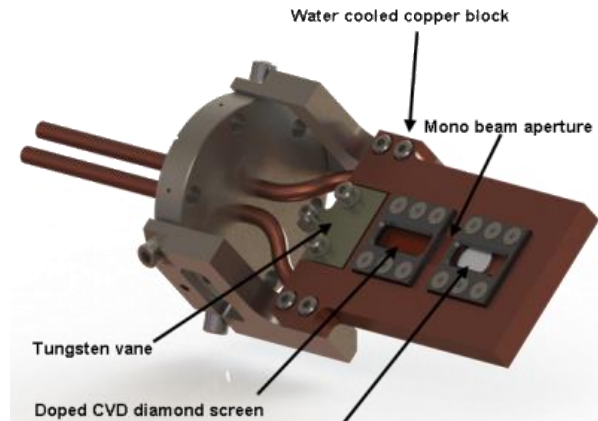
<https://panoramas-outreach.cern.ch/index.html>

Objects to pull/touch

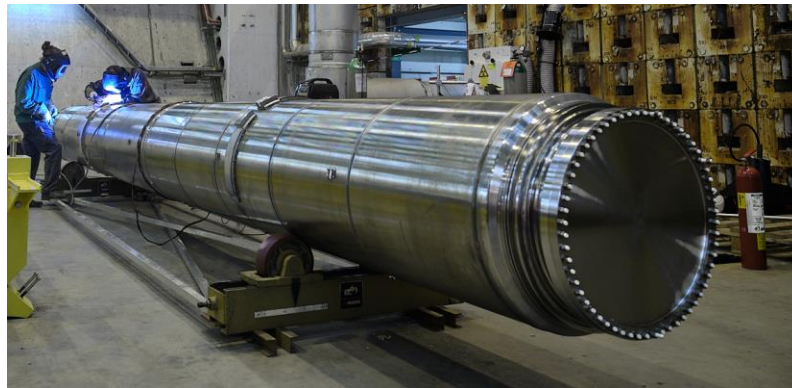
Operating the beams



Hydrogen bottle
where do the
particle come from?



Beam position monitor
How the beam is monitored



Beam dump
Where do the
particle go? (or
mention on the
map)



Eye scan device
safety in the accelerators



Cable to pull
Information between
control centre and
accelerators (optic fiber,
need to go faster than the
beam!) (other cables?)



Bicycle
Millions of components -
Teams available 24/7 in case a
component breaks down

Objects to pull/touch

Civil engineering and facilities



Lift cabin
how deep
are the
accelerators
and why are
they
underground



Construction machine (backhoe, boring machine)
Civil engineering



Surveyor tool
Precision of the alignment



Geological
core sample
(miniature)

Interesting points (show on the map)

On Meyrin site (drawer):

- Accelerator facilities: Linac4, Booster, PS, AD, ISOLDE + experiments
- Hotel, Restaurant
- Medical service
- Fire Brigade
- Computing centre
- Main workshop

Outside Meyrin site

- CERN Control Centre and Prévessin site + experiments (AMS?)
- Beam dump
- Accelerating cavities
- LHC points
- Outside CERN: Swiss/French border, Airport, Château de Voltaire, Villages, High-School, etc.

Missing:

- Future projects
- Many experiments

Questions:

- QR code for AR?

