

Accelerator Status during LS2

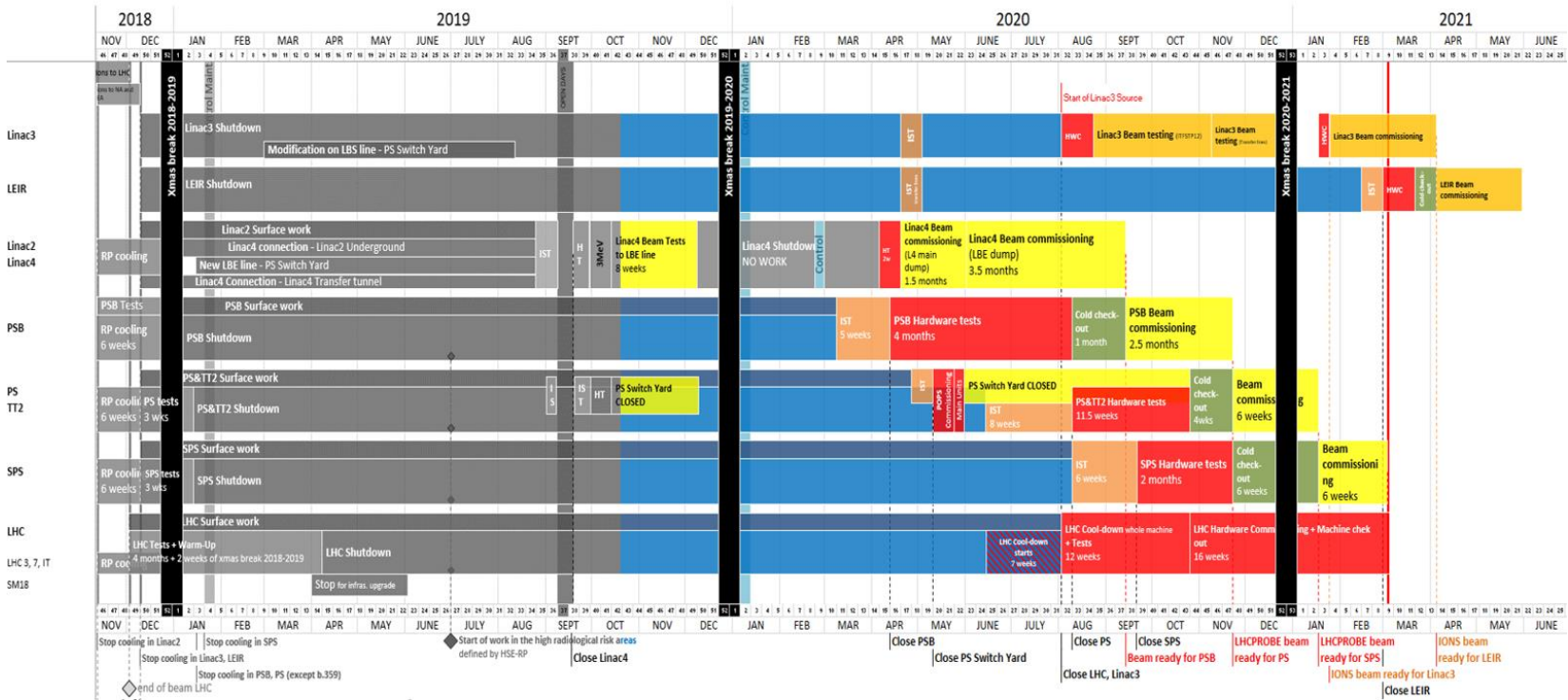
RRB

Frédéric Bordry
27th April 2020



LS 2 status from dashboard link

<https://cern.ch/acc-dashboard/ls2>



Safety First



Quality second



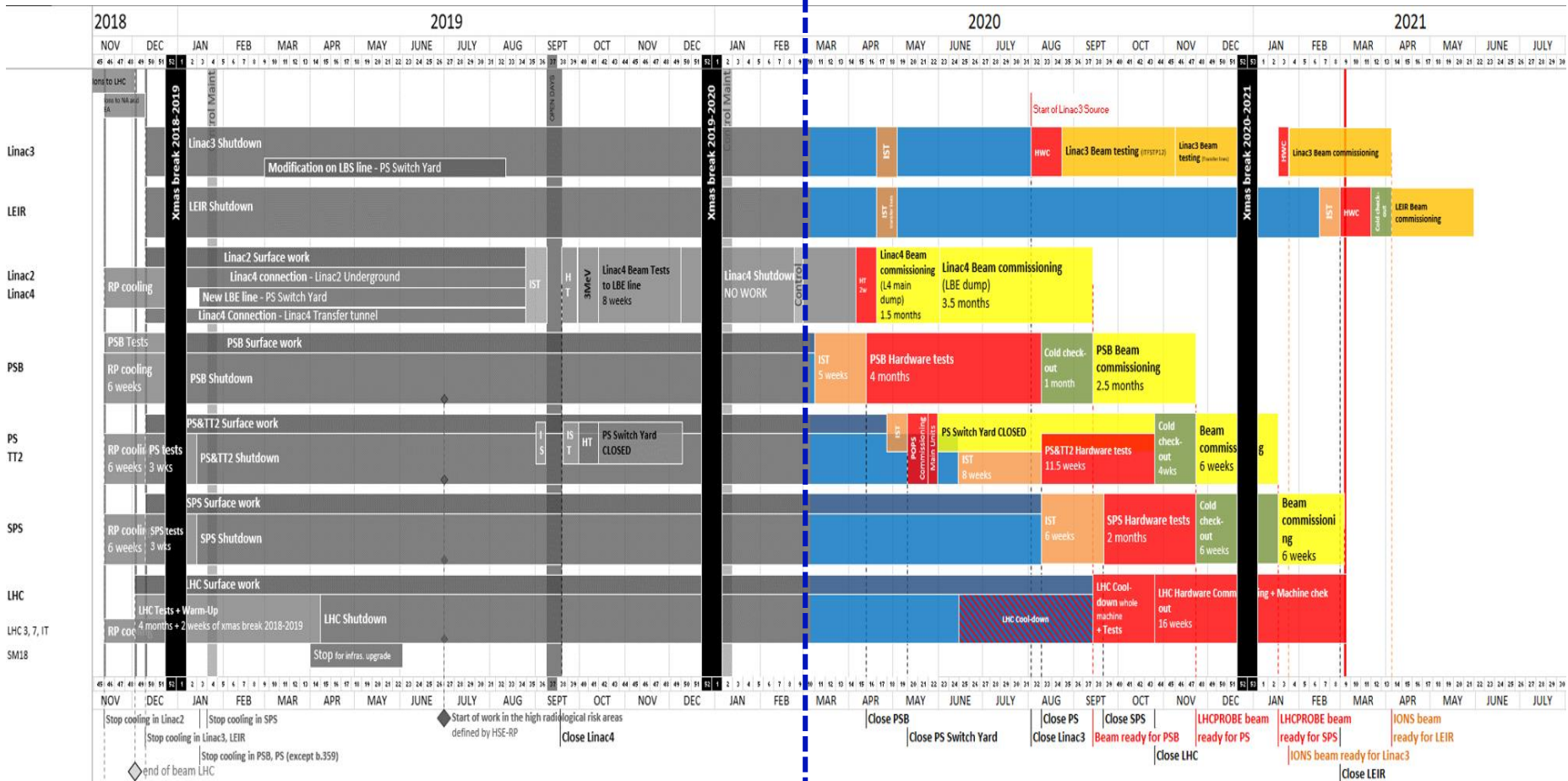
Schedule third



Accelerator Status during LS2
RRB
Frédéric Bordry
28th October 2019



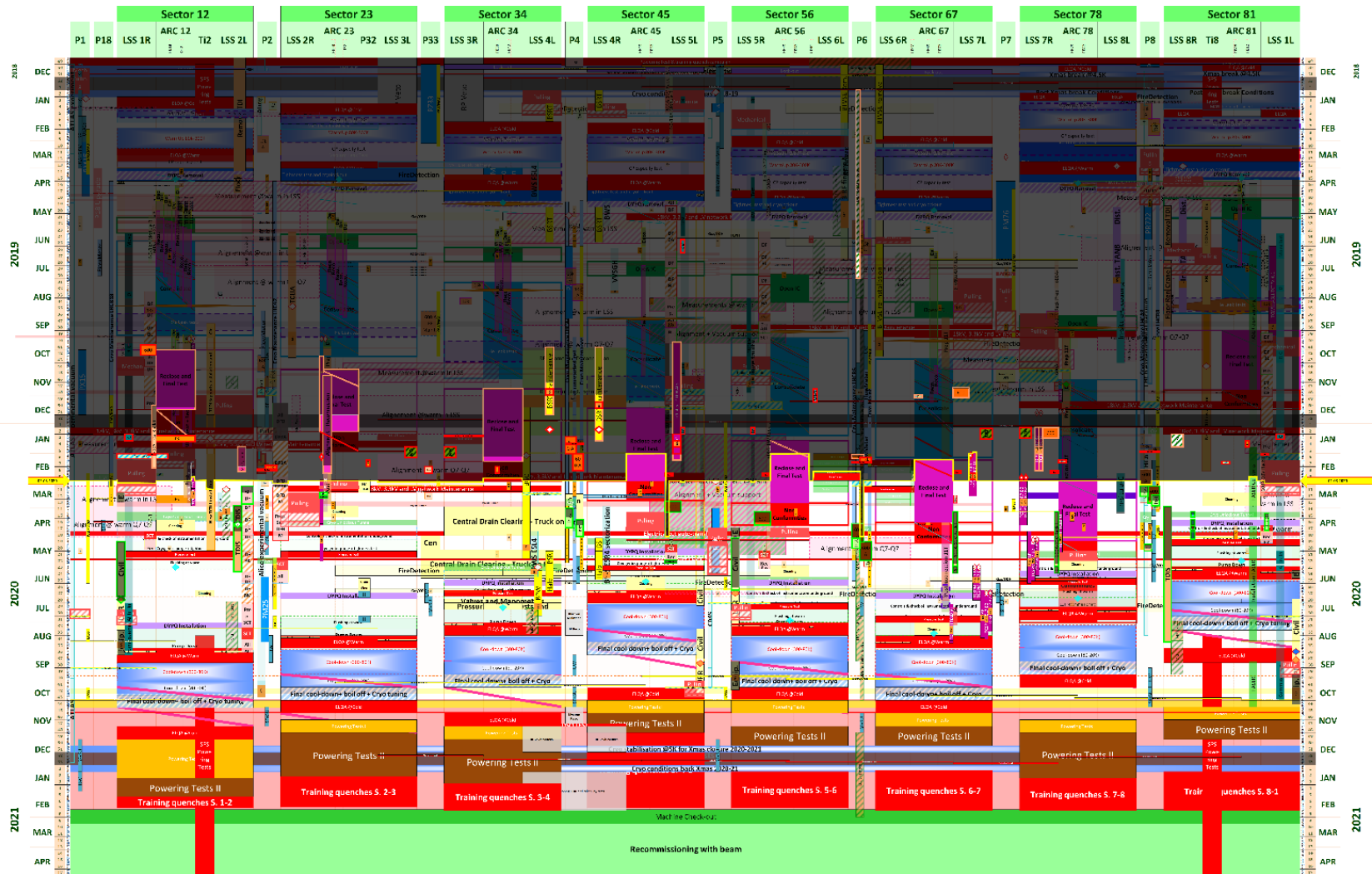
LS2 schedule: 6th March 2020



Master Schedule (v.2.4)



LHC schedule: 6th March 2020

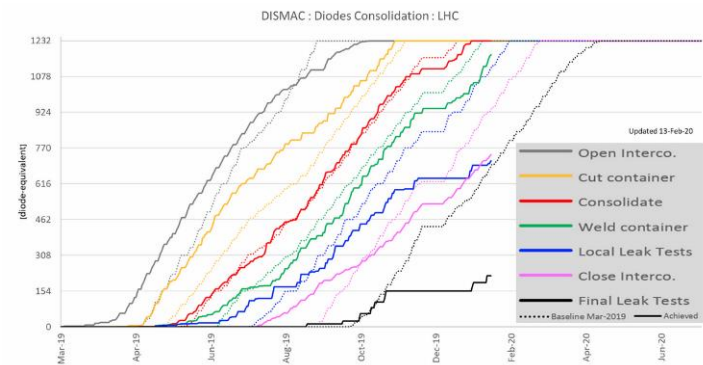
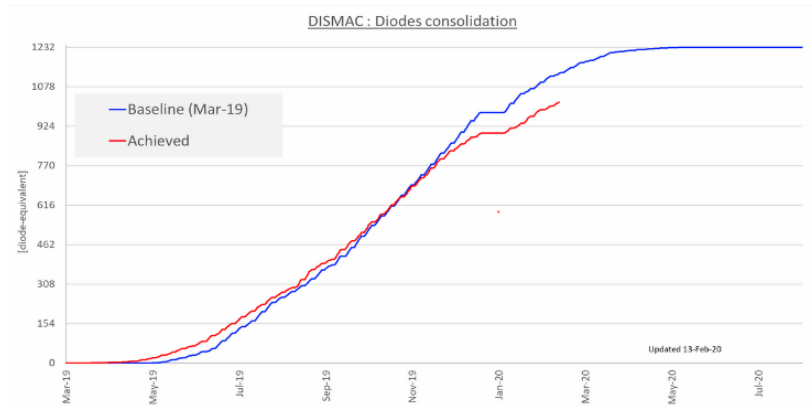


Baseline 2.2

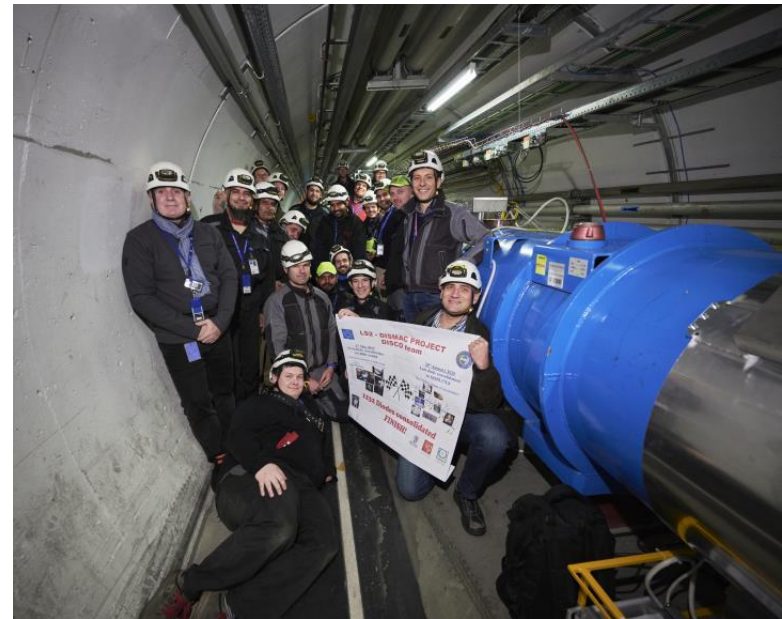


DISMAC project status: diode consolidation

Diodes Insulation and Superconducting **MA**gnets **C**onsolidation



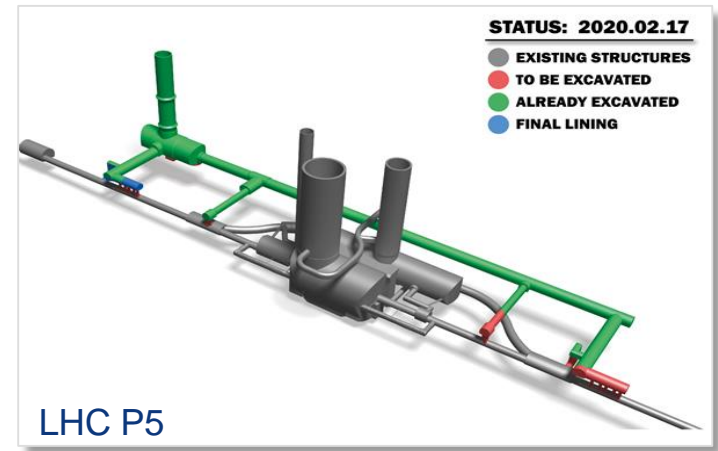
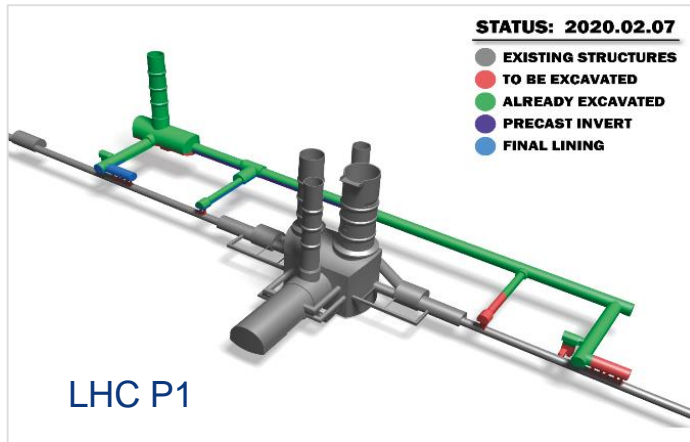
- Sector 8-1 all works done
- Diodes electrical insulation consolidation fully completed
- DISMAC progression shows a small delay according to the baseline



28th January 2020: last Diode box consolidation

HL-LHC civil engineering status

Overall excavation $\approx 90\%$



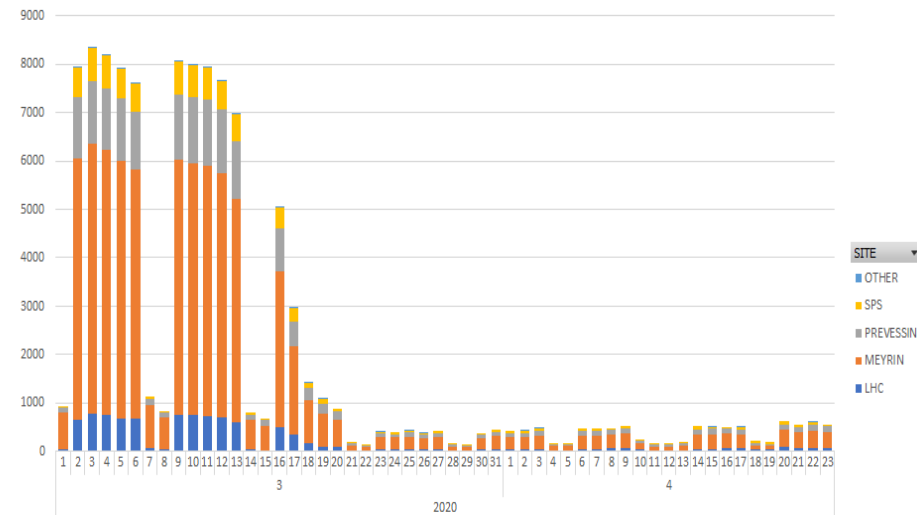


COVID-19: CERN in the coming weeks

CERN is open in virtual mode. Many scientists and collaborators are teleworking.

25 MARCH, 2020

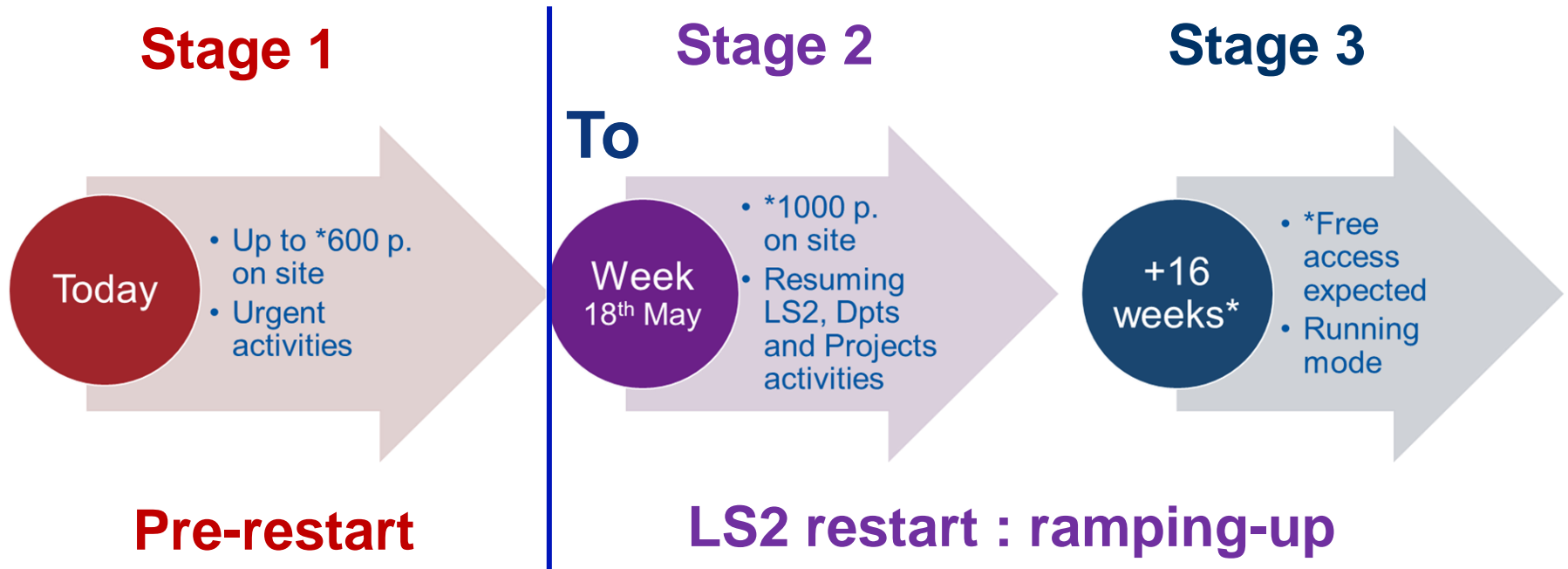
The goal of last week was to safely stop all the maintenance, consolidation, and upgrade work that was in progress. **The approach is to keep baseline services at CERN running (e.g., ventilation, cooling, electrical supply, safety systems), whilst leaving all material and equipment in a secure state, so that things are ready to restart quickly when operations can begin again.** Monitoring during this phase will include on-site checks, with technical infrastructure operators maintaining their usual 24/7 physical presence in our main control room. Extensive on-call support is in place in case of problems.



Now that all activities have been reduced, **CERN is now working on how the impact of the COVID-19 pandemic will affect the LS2 schedule and other activities and how best to recover when the time comes.**

The global COVID-19 situation is still evolving; we will continue to monitor ongoing events, and adapt according to what happens in our Host States and across the world.

Progressive and controlled LS2 restart plan



**numbers of persons on site discussed weekly at the Enlarged Directorate*

Civil engineering activities for the HL-LHC project in Points 1 and 5 have re-started with the help and the support of the French and Swiss authorities.

Safety first



Safety First



Quality second



Schedule third

- To keep **all Safety hazards** and maintain the **highest standards** of Safety as demonstrated since the start of the LS2.
- **COVID-19** will be addressed as **an additional hazard** with all the necessary adjustments that may be needed following feedback and recommendations by experts and the Host States.

All recommendations by the Host States remain valid and shall be applied - with particular focus on **interpersonal distancing (> 2 m @ CERN)** and **frequent washing of hands**.

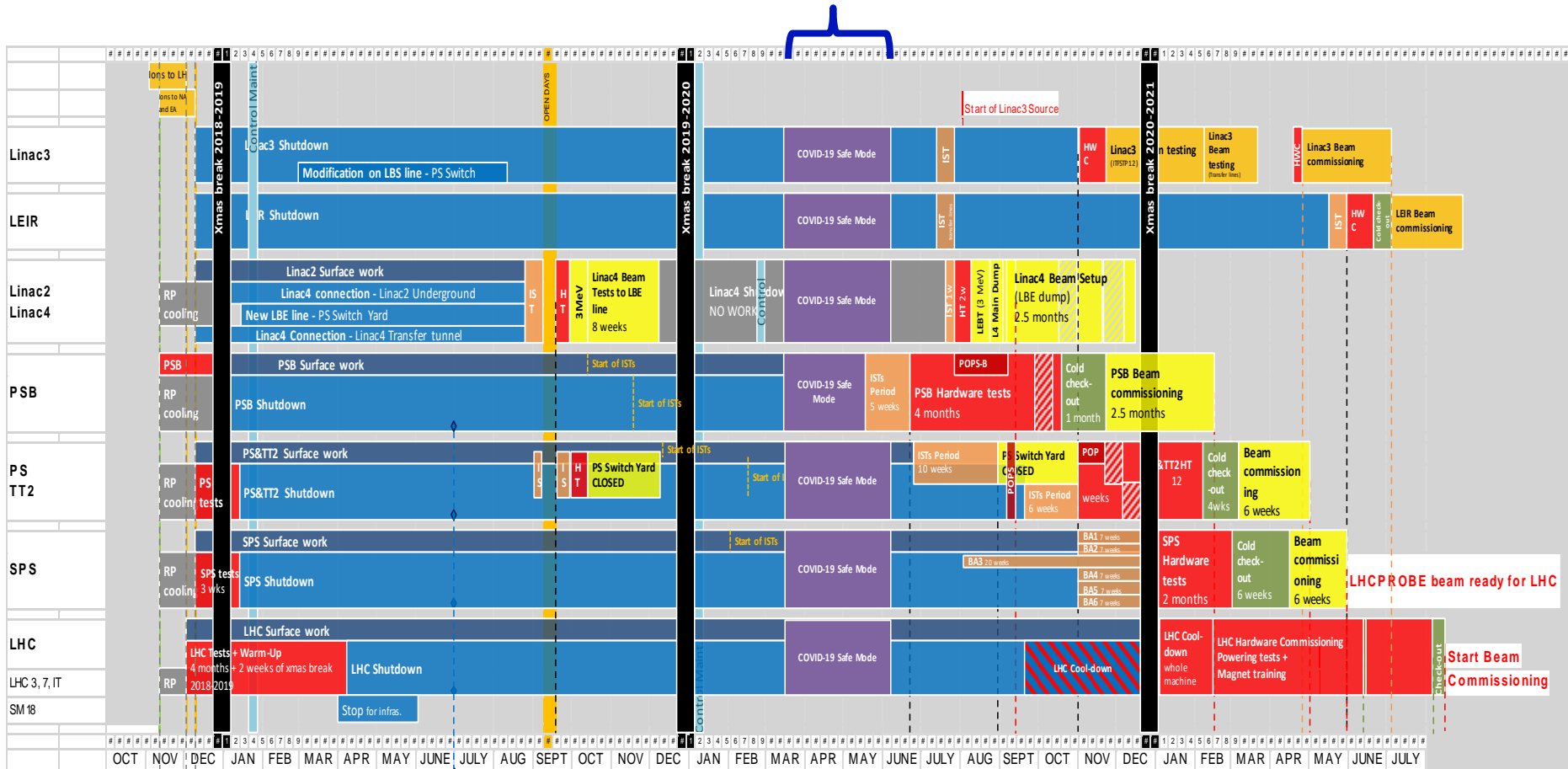
Information and e-training will be made available; the successful completion of the course will be **obligatory for access** from beginning of step 2 onwards.

Visitors (only if visit is requested by the Department) will receive CERN COVID-19 information (printed or App).

PPEs (masks, safety glasses, face shields...) had been specified and ordered

New LS2 schedule (on 24th April 2020)

3 months



Meeting (8th June) with LHC experiments and LHC workshop (Chamonix, 28th Sept. to 1st Oct) to review and optimize the LS2 schedule and the Run 3

