

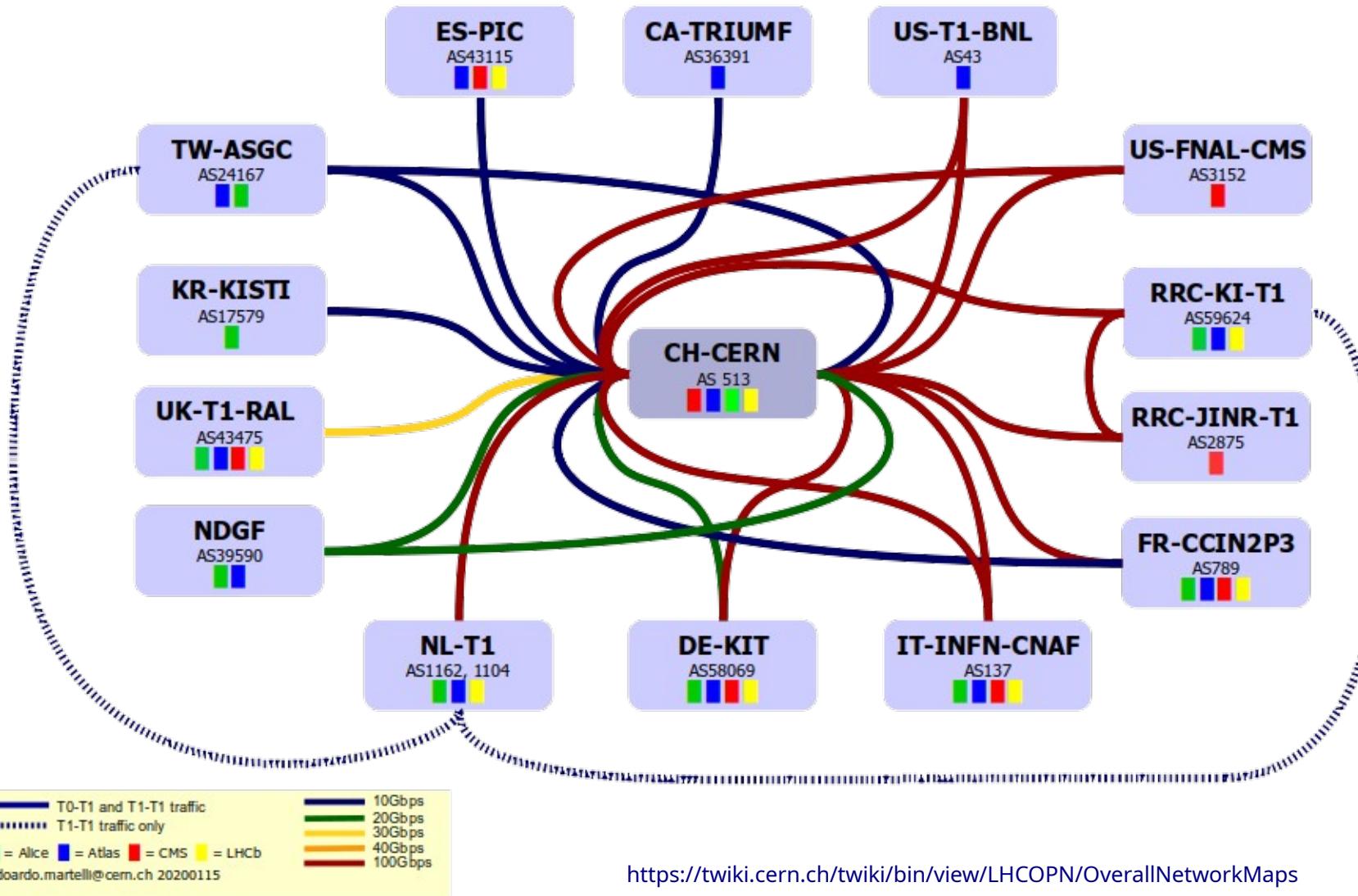
# LHCOPN update

LHCOPN virtual meeting

13<sup>th</sup> May 2020

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## Numbers

- 14 Tier1s + 1 Tier0
- 12 countries in 3 continents
- Dual stack IPv4-IPv6
- 1.1Tbps to the Tier0
- Moved ~288 PB in the last 12 months

# Latest news

## - CH-CERN:

- on going tender for construction of data-centre extension
- on-going replacement of legacy Brocade routers in data-centre

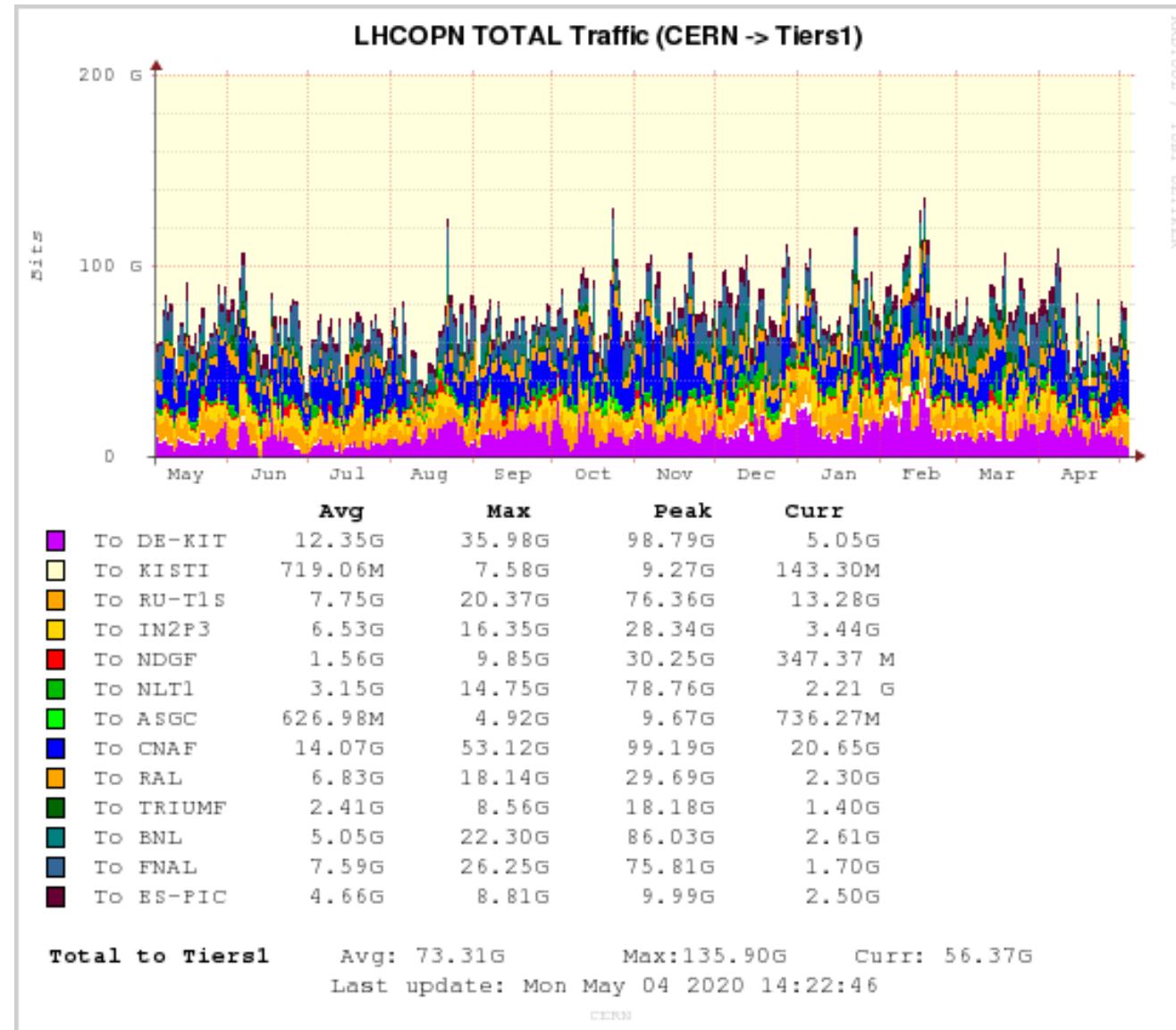
## - UK-T1-RAL:

- planning upgrade of primary link to 100Gbps
- ready to connect to LHCONE, waiting end of lockdown

## - ES-PIC:

- primary link will be upgraded to 100G by Run3

# LHCOPN traffic – last 12 months



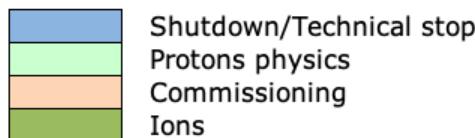
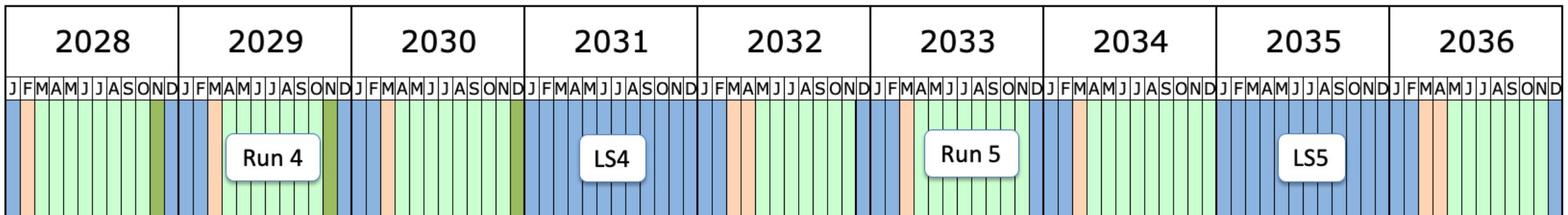
Ref: <https://netstat.cern.ch/monitoring/network-statistics/ext/?q=LHCOPN&p=LHCOPN&mn=00-Total-Traffic&t=Yearly>

# LHC new schedule before Covid-19

At the end of 2019, the CERN Management presented a new calendar for future accelerator runs:

- Under the new schedule, the **LHC would have restarted in May 2021**, two months after the initially planned date, and **Run 3 would be extended by one year, until the end of 2024**
- All of the equipment needed for the High-Luminosity LHC will be installed during Long Shutdown 3, between 2025 and mid-2027
- The **High-Luminosity LHC is scheduled to come into operation at the end of 2027**

# LHC new schedule as of December 2019



*LHC schedule presented in December 2019*

# LHC new schedule after Covid-19 lockdown

**On March 13<sup>th</sup> 2020, CERN moved to Safe Mode** with a maximum of 600 people working on site and only urgent works carried out

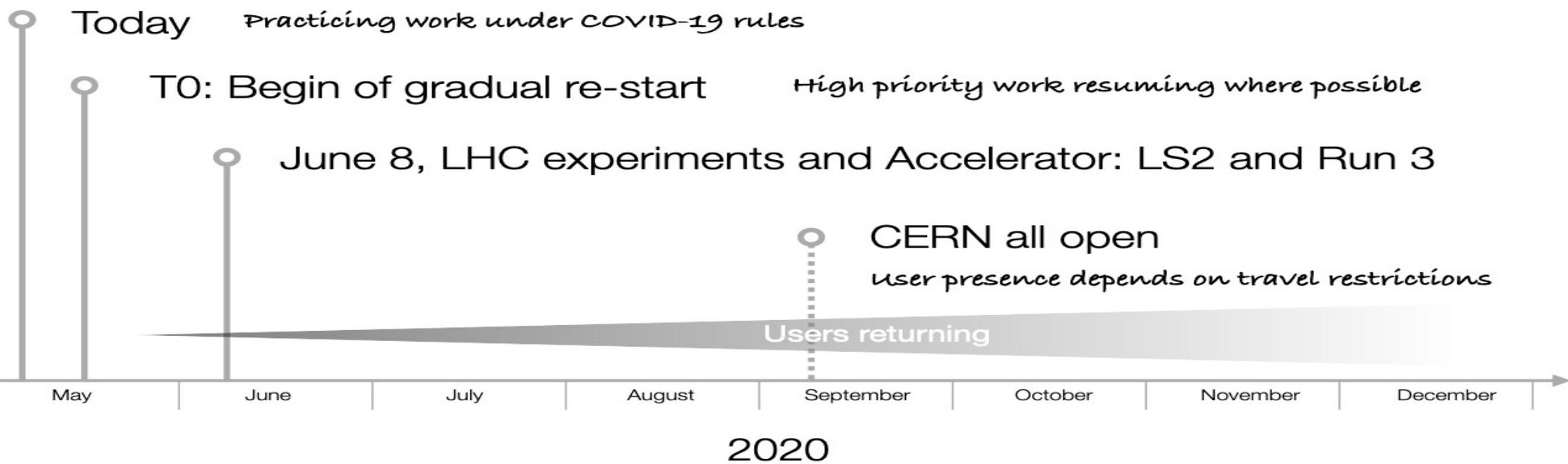
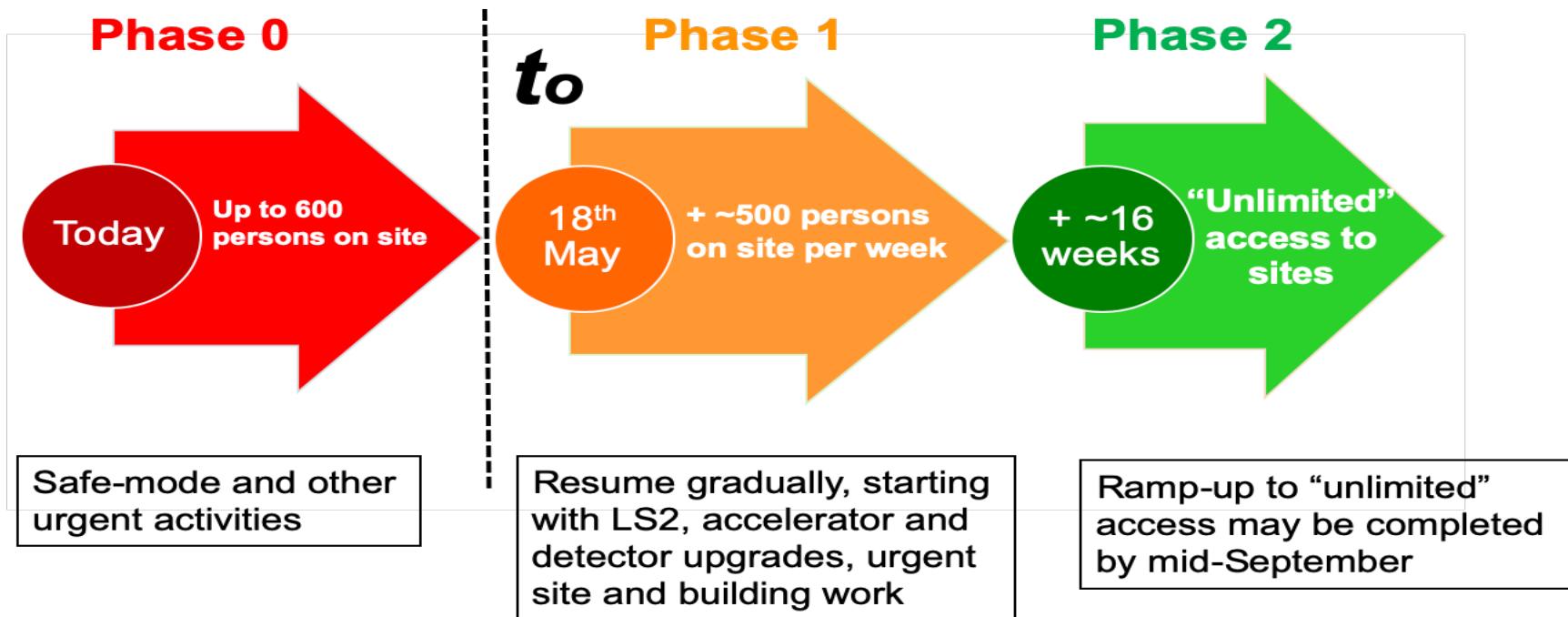
Operations will gradually **restart on the 18<sup>th</sup> of May** by allowing additional 500 people on site every week.

Full access is expected to be reached in 16 weeks.

The new schedule of works foreseen during LS2 will be issued on the 12<sup>th</sup> of June. A three months delay compared to the previous plan can be expected

Many works depend on experts residing abroad and that may not be able to travel to CERN any time soon

# A gradual and cautious re-start plan



# *Questions?*

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