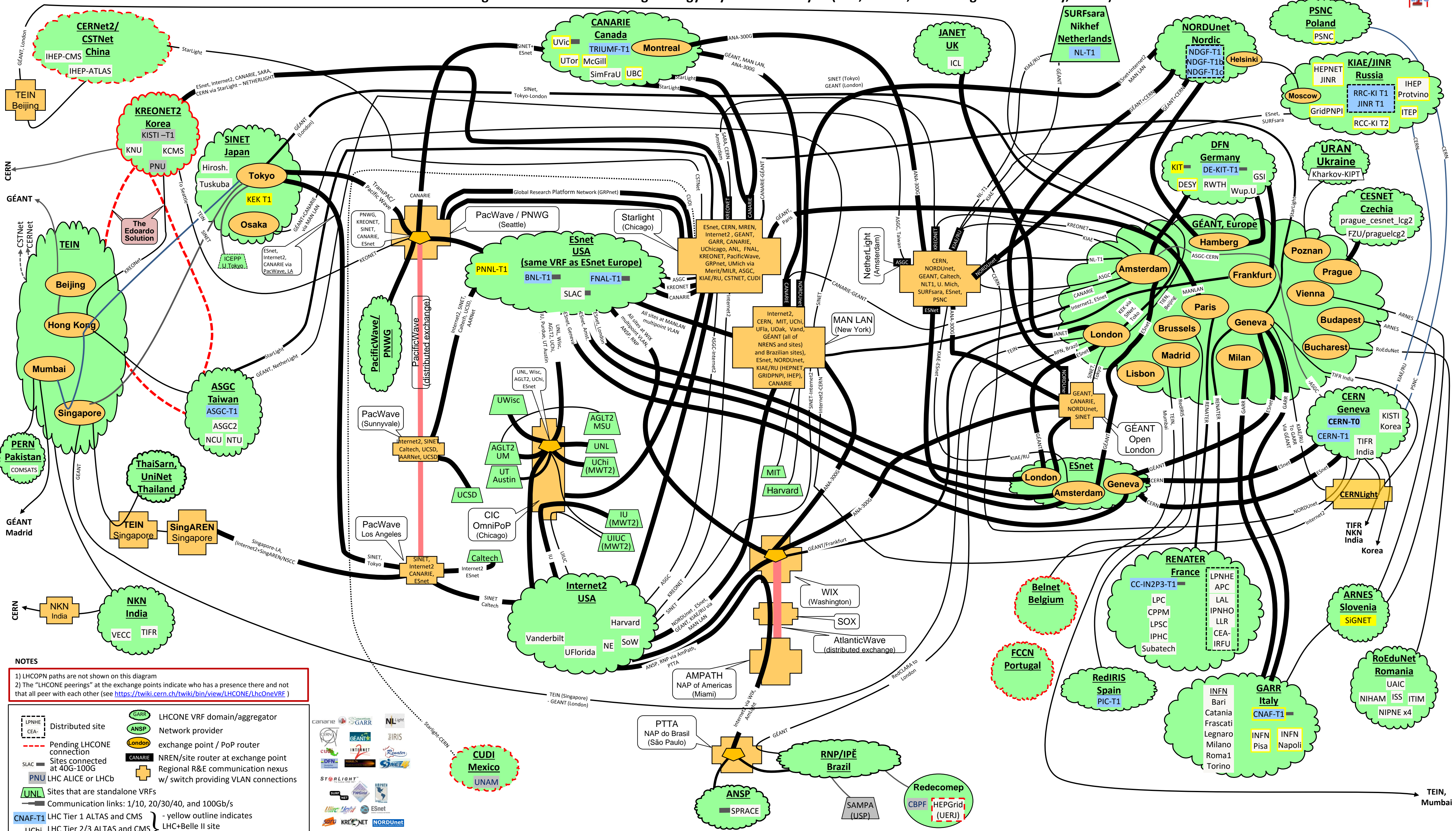


# LHCONE L3VPN: A global infrastructure for High Energy Physics data analysis (LHC, Belle II, Pierre Auger Observatory, NOvA)



**NOTES**

1) LHCOPN paths are not shown on this diagram  
 2) The "LHCONE peerings" at the exchange points indicate who has a presence there and not that all peer with each other (see <https://twiki.cern.ch/twiki/bin/view/LHCONE/LhcOneVRF>)

- LPNHE  
CEA Distributed site
- GARR LHCONE VRF domain/aggregator
- SLAC Sites connected at 40G-100G
- PNU LHC ALICE or LHCb
- UNL Sites that are standalone VRFs
- CNAF-T1 LHC Tier 1 ALTAS and CMS
- Uchi LHC Tier 2/3 ALTAS and CMS
- KEK Belle II Tier 1/2
- GARR LHCONE VRF domain/aggregator
- ANSP Network provider
- London exchange point / PoP router
- CANARIE NREN/site router at exchange point
- + Regional R&E communication nexus w/ switch providing VLAN connections
- Communication links: 1/10, 20/30/40, and 100Gb/s
- - yellow outline indicates LHC+Belle II site
- - Dashed outline indicates distributed site

