

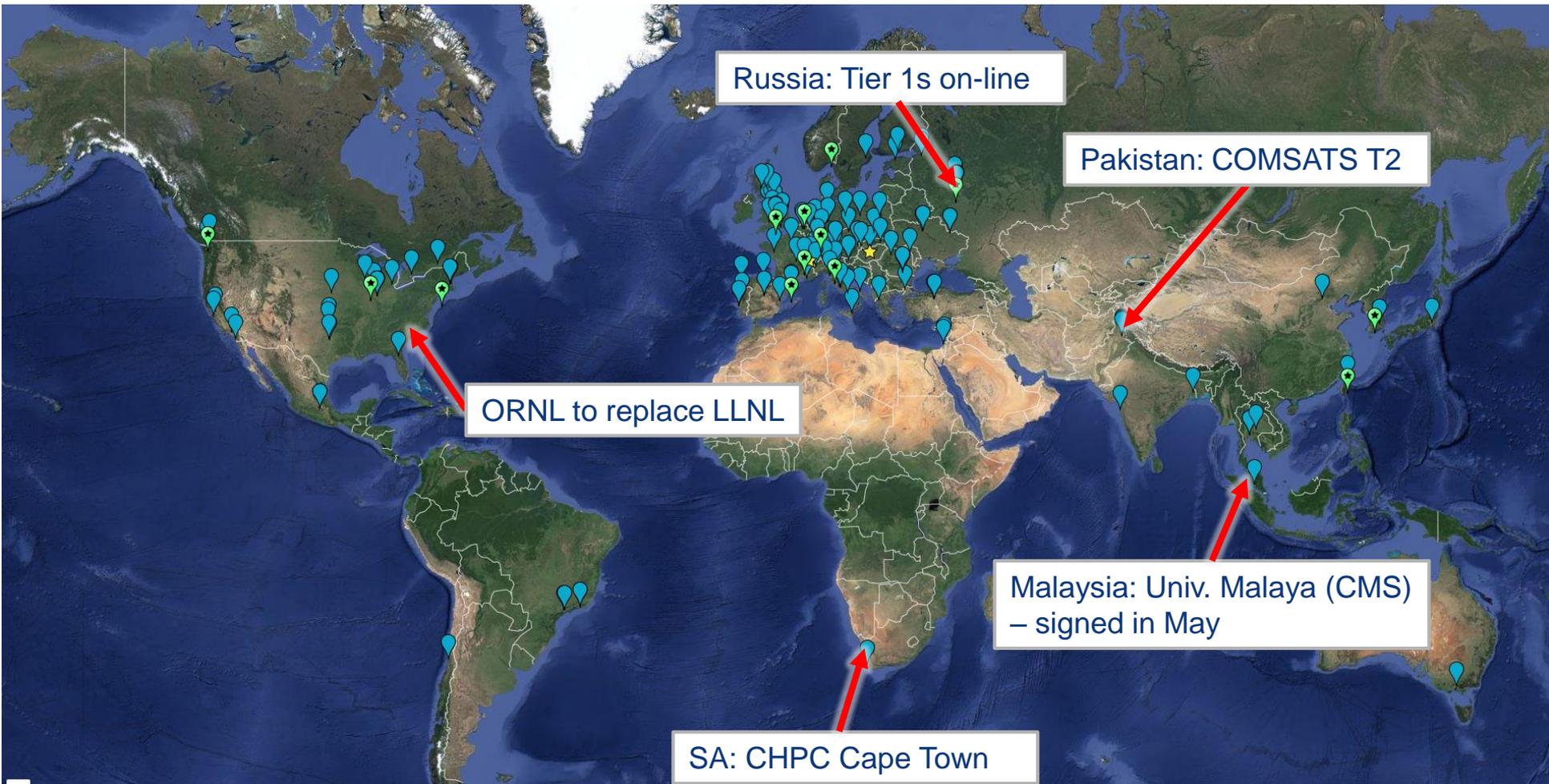
Ian Bird, CERN

1st February 2016

WLCG Collaboration Board



WLCG MoU ~Signatures 2015



Some changes

- New GDB chairman
 - Ian Collier (STFC)
- Many thanks to Michel Jouvin who chaired the GDB for more than 3 years

- Idea is to change the flavour of the GDB to more of a forum that allows more in-depth technical discussions around the long-term evolutions needed to prepare for Phase 1 and 2 upgrades (see later)

Tier 1s - status of sites

- We see more and more requests for sites to become Tier 1s
 - They want the recognition – but Tier 1 has specific meaning (inc. tape, service levels, experiment liaison, etc)
 - Also examples such as Azerbaijan – with no experiment link (yet);
 - This specific case is on hold
- Of course we need to continue to welcome new resources, but...
- Should we welcome new Tier 1s?
 - But not require tape? What about service level?
- Should we introduce a new class of sites ?
 - Regional Centres?
- More generally: is there a better nomenclature for sites that reflects roles and capabilities?

Position wrt new Tier 1s

- ❑ On the question of new Tier 1s, there was a very clear statement from the OB that the current definition including tape services, high (“24x7”) service levels, [and direct experiment support] were the key features of Tier 1s and that these criteria should not be relaxed.
- ❑ The document we wrote in 2012 is still the definitive set of Tier 1 requirements for sites wishing to become Tier 1s:
 - <https://espace.cern.ch/WLCG-document-repository/Collaboration/New%20Tier1%20Process/NewTier1-process-v1.2.pdf>
- ❑ However, may need to think about new class of sites that are not closely related to experiments, but that offer resources, and need some level of recognition for political/funding reasons

Relationship to other sciences

- ❑ Discussed how WLCG should interact with other science communities as we progress in evolution of our infrastructure for the future.
 - Presentations from EU-T0, EGI, and OSG presented the landscape of large and small science projects that have benefitted (and could potentially benefit) from work that WLCG does.
- ❑ It was suggested that the best model would be one of partnership between WLCG and selected larger science projects to ensure that WLCG maintain some level of impact outside of HEP,
 - But leaving the work of addressing the “long tail of science” to EGI and OSG
 - Of course, not excluding the (re-)use of tools developed by WLCG !
- ❑ It was also suggested that EGI and OSG could help broker such partnerships again in future
- ❑ Action item to discuss how such partnerships could be created/strengthened

Science Cloud – past, present

- ❑ Many investigations of use of cloud resources via experiments, CERN, and other sites
- ❑ Helix Nebula EC project in Europe (together with other sciences)
- ❑ CERN is doing 2 procurements to understand market prices and usage models:
 - 200 KCHF for compute (essentially simulation)
 - Won by Deutsche Bourse Cloud Exchange (different providers behind)
 - This model may be a problem!
 - 400 KCHF for data intensive use cases (needed market survey, now tender)
 - To be procured as extensions of the CERN cloud
 - Eventual use cases – investigate dynamic expansion of CERN resources
 - This capacity is in addition to pledges
- ❑ PCP project has been approved and will start in January 2016
 - Derogation of CERN procurement rules to allow compliance with EC procurement (EC member states) agreed by CERN Council
 - Will allow a joint procurement across Tier 1s – understand if we can obtain economies of scale



HNSciCloud H2020 PCP Project

The group of buyers have committed

- ~1.6M€ of funds
(generating ~6M€ total funds)
- Manpower
- Applications & Data
- In-house IT resources

To procure innovative IaaS cloud services integrated into a hybrid cloud model

- Commercial cloud services
- European e-Infrastructures
 - GEANT, eduGain, EGI
- In-house IT resources

Procured services will be made available to end-users from many research communities

