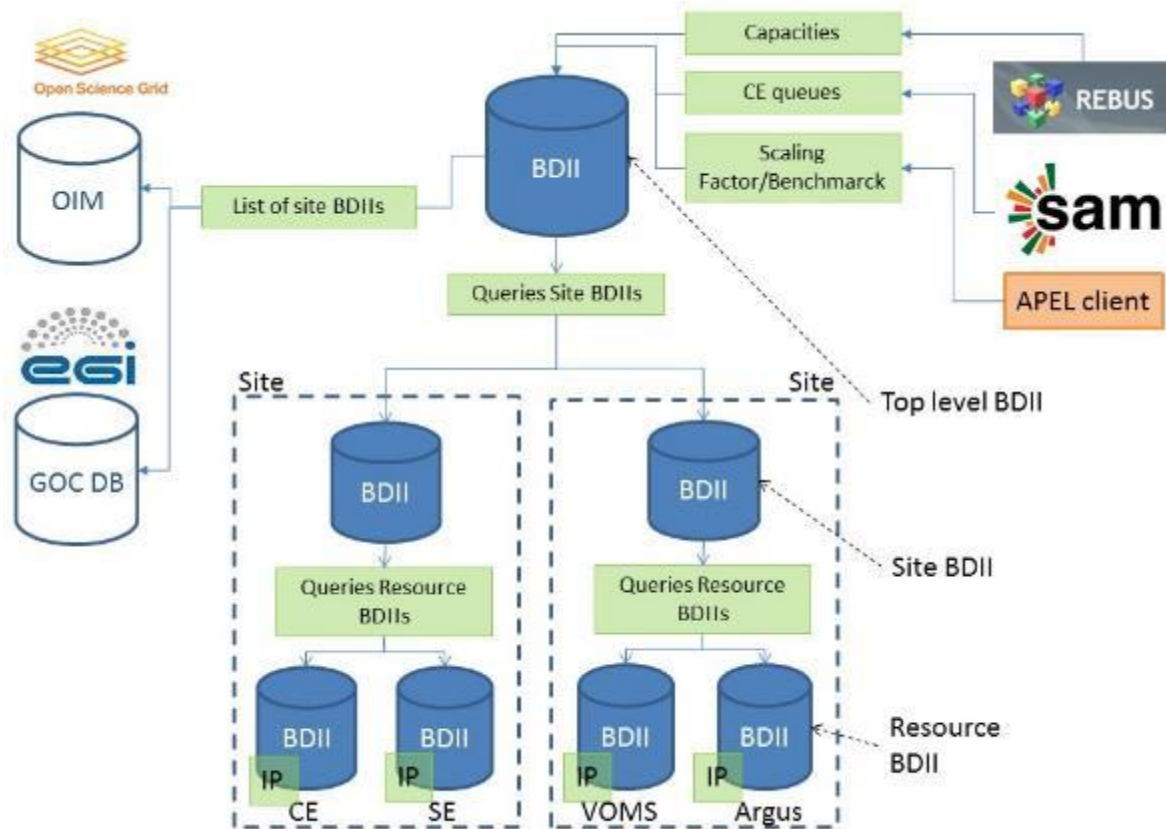




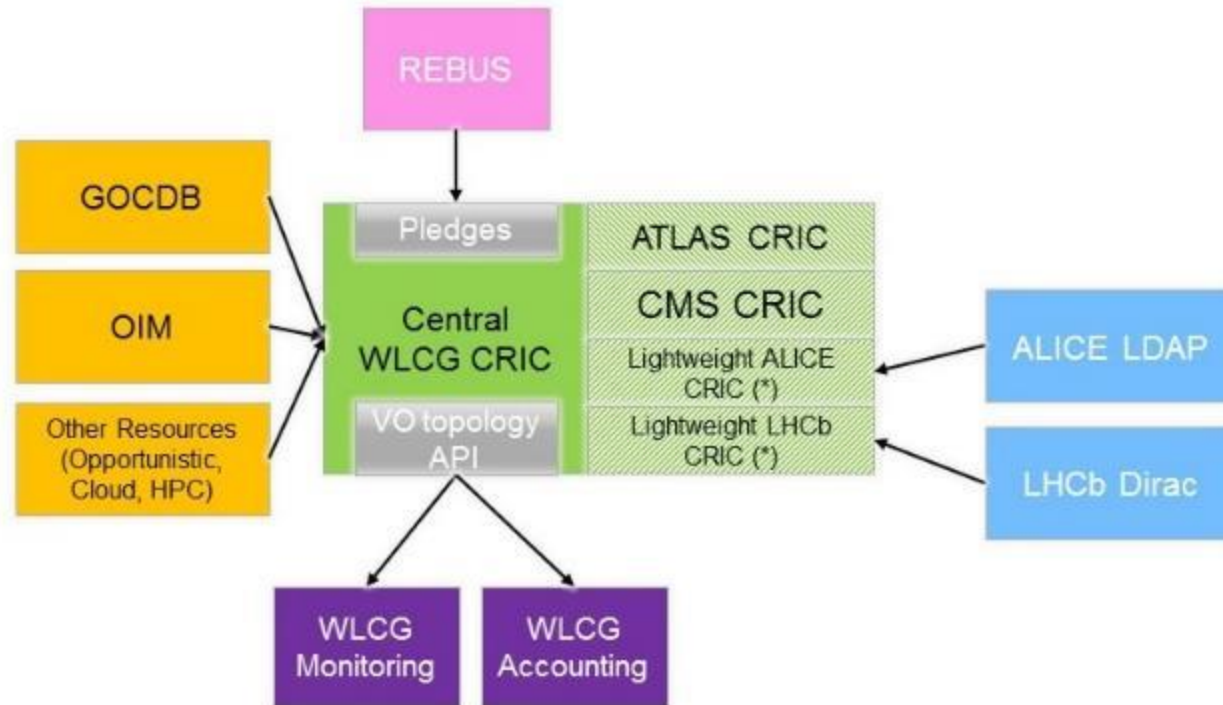
# Proposal to adopt CRIC as the new WLCG IS

Information System Task Force  
WLCG Management Board, 19<sup>th</sup> July 2016

# Current WLCG IS



# Future WLCG IS



(\*) Maintained by WLCG to store very simple experiment topology information (i.e. experiment names)

# Computing Resource Information Catalogue

- **WLCG Central CRIC**
  - Describes WLCG topology
  - Single entry point for WLCG topology consuming information from different sources
- **Experiment CRIC**
  - Describes experiment topology
  - It uses the information from central CRIC plus additional attributes and configuration needed by experiment operations and workflows
- **Lightweight CRIC**
  - Maintains a relationship between experiment site names and WLCG site names
    - Needed for monitoring and accounting

# Plan to move to the new WLCG IS

- Define the features of the central WLCG CRIC and get it implemented
  - ATLAS and CMS will work independently in their experiment instances
  - Understand all the possible use cases. i.e:
    - REBUS Capacities to be moved to CRIC? How information will be collected?
    - MW Upgrade Campaigns, should they rely on CRIC or on something else, like pakiti?
- Bootstrap CRIC with existing information sources (BDII, GOCDDB, OIM)
  - Understand within the IS TF if these sources are enough or changes/modifications are needed
    - WLCG is considering to stop relying on the BDII
    - More static info may be needed in GOCDDB/OIM
- CRIC integration with other WLCG activities
  - WLCG Monitoring (Vofeed generation)
  - WLCG Accounting (Normalisation?)
  - For these activities , also LHCb and ALICE lightweight versions are needed
    - ALICE and LHCb in principle not planning to use CRIC unless it provides better quality information than existing sources of information