



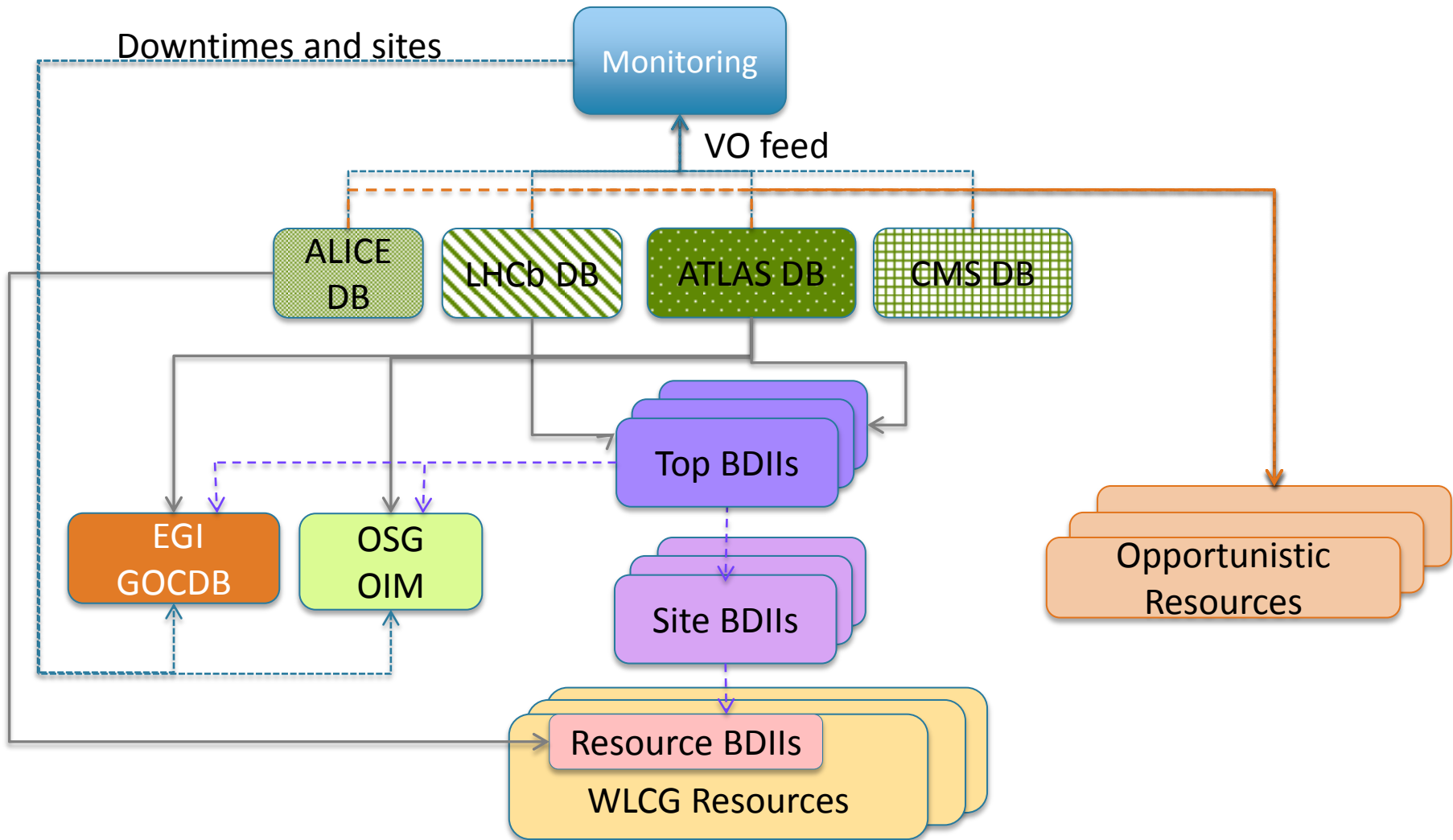
Information/Configuration Systems

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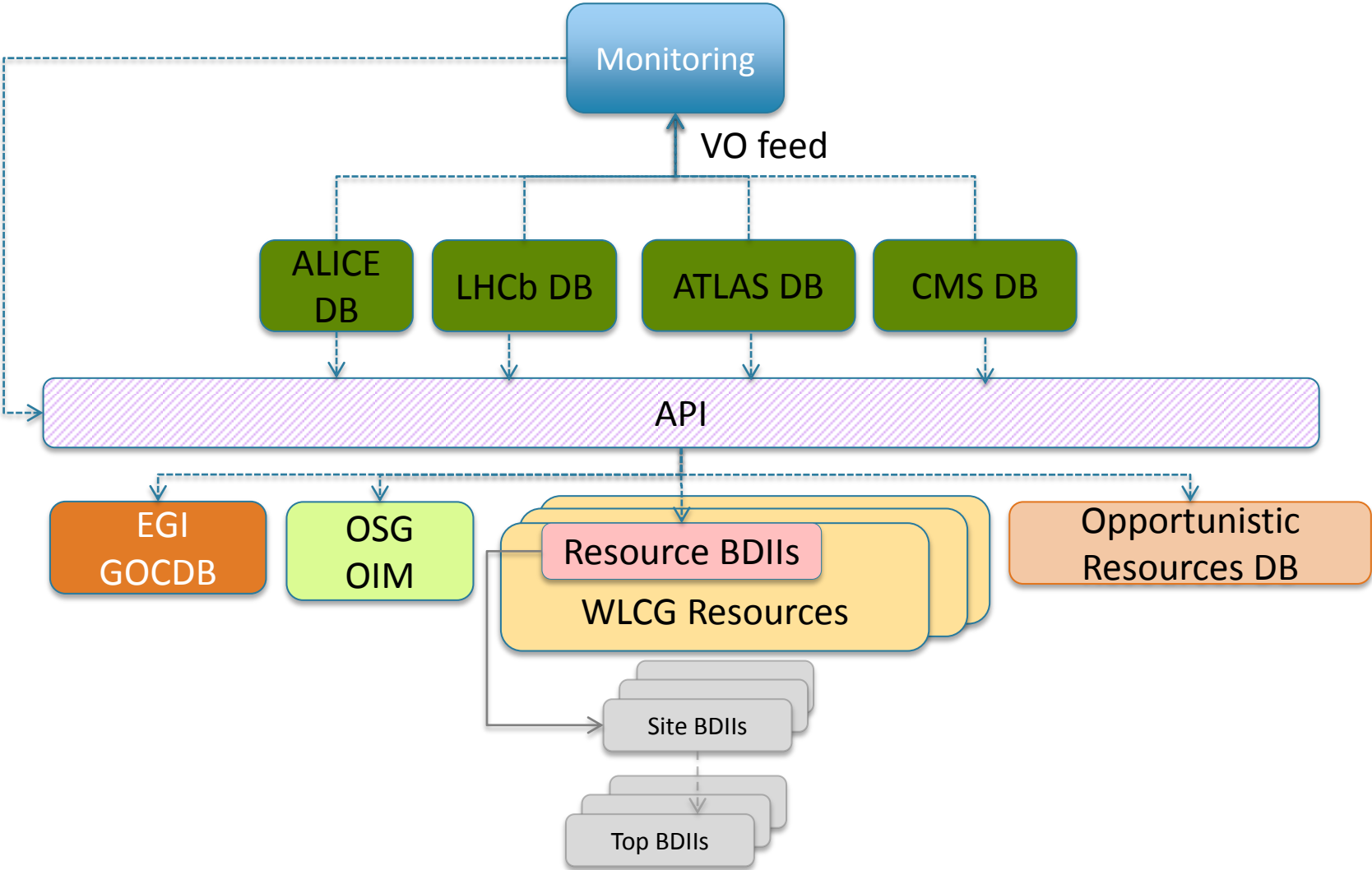
Common Projects - Brainstorming



Current components and interactions within the WLCG IS



Towards a simplified and integrated WLCG IS



Areas for improvement (I)

- Main IS components (GOCDB/OIM and BDII)
 - Already under discussion within the Infosys task force
 - Ensure VO DBs can be configured by only using a single IS entry point
 - A unique API will hide the underlying complexity
 - Flexibility to add/remove new components to the IS (see opportunistic DB)
 - Move more static info to GOCDB/OIM and leave dynamic info on the resource BDII
 - Are the site and top BDIIs actually needed? Is it enough with the resource BDII?
 - Consider other technologies
 - Could we use messaging instead of LDAP to publish dynamic information?
 - Publication of sites offering cloud resources

Areas for improvement (I)

- VO DB
 - There are currently 4 different abstraction layers to gather VO specific information
 - We could profit from existing implementations and share the way VOs interact with the IS
 - Reduce the duplication of effort by using a common approach
- Opportunistic DB
 - Identify how experiments are currently using opportunistic resources
 - Implement a DB where opportunistic resources could be declared