

# Sitemon migration to CRIC



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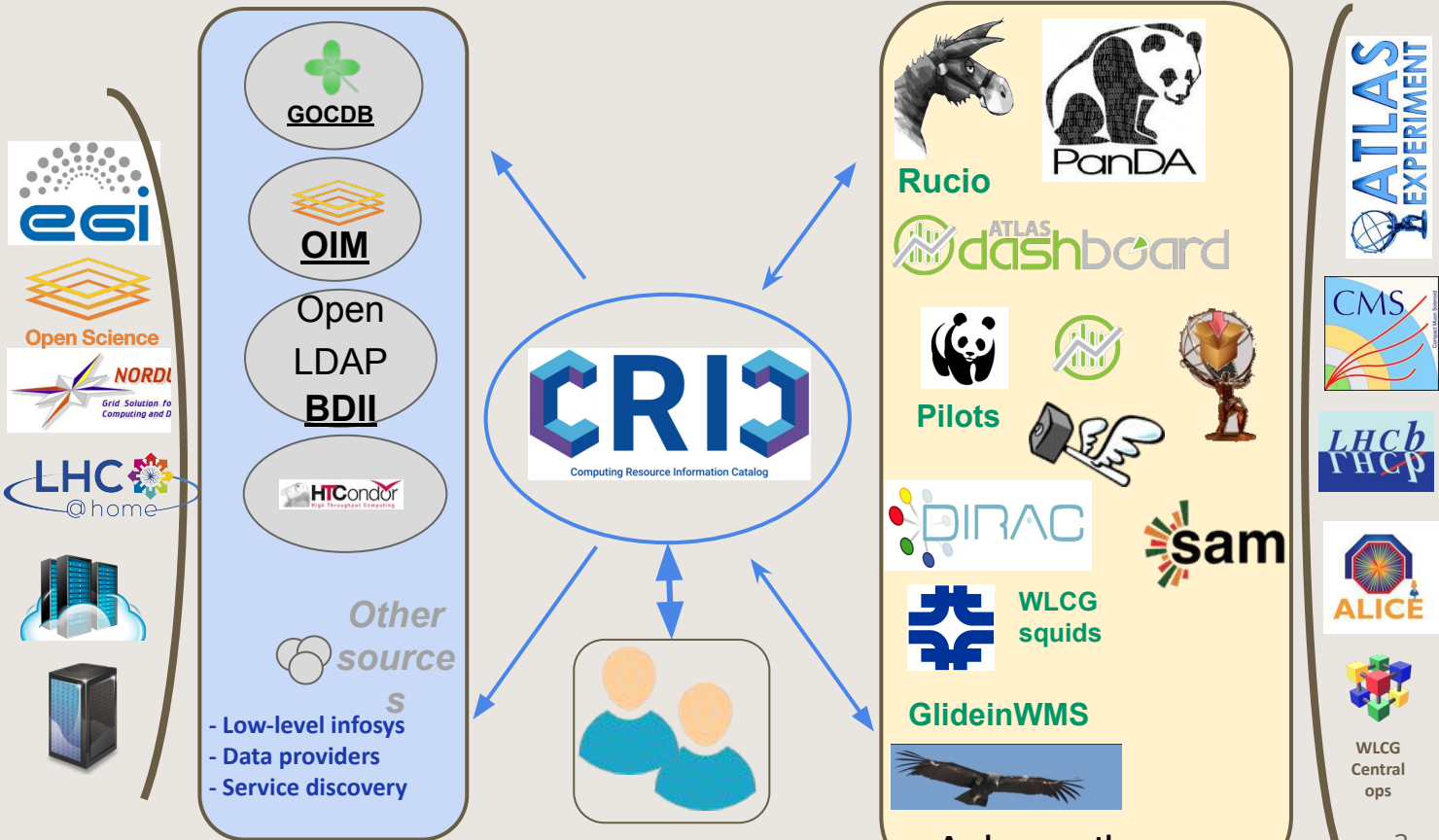
# Migration Challenges

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- Modeling the concept of service usage
- Incorporating the logic which decides which services are tested/appear in AR and moving this calculation away from the MONIT side
- Consuming various experiment sources and unifying all the information
- Adapting to changes in the experiment sources
- Develop a mechanism to compare CRIC to external sources and get alerts for any inconsistencies

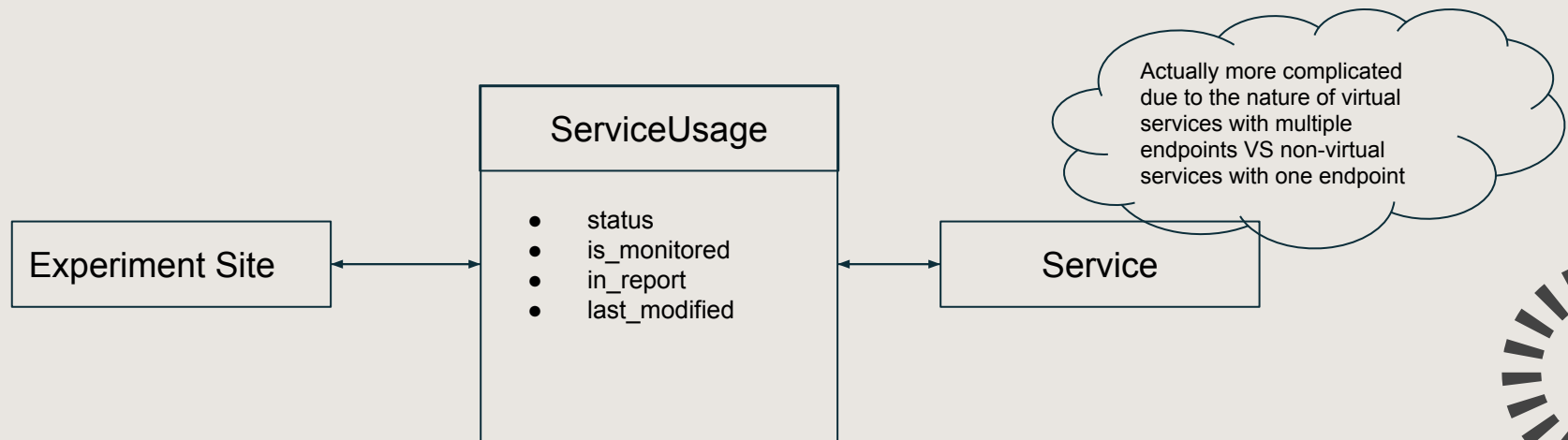


# “Provided by” VS “Used by”



# Used by sources

- Usage information can be very well described in each specific CRIC (ATLAS-CRIC, CMS-CRIC, etc)
- In WLCG-CRIC we needed a way to track the usage of Services by different VOs, so we created the ServiceUsage model:

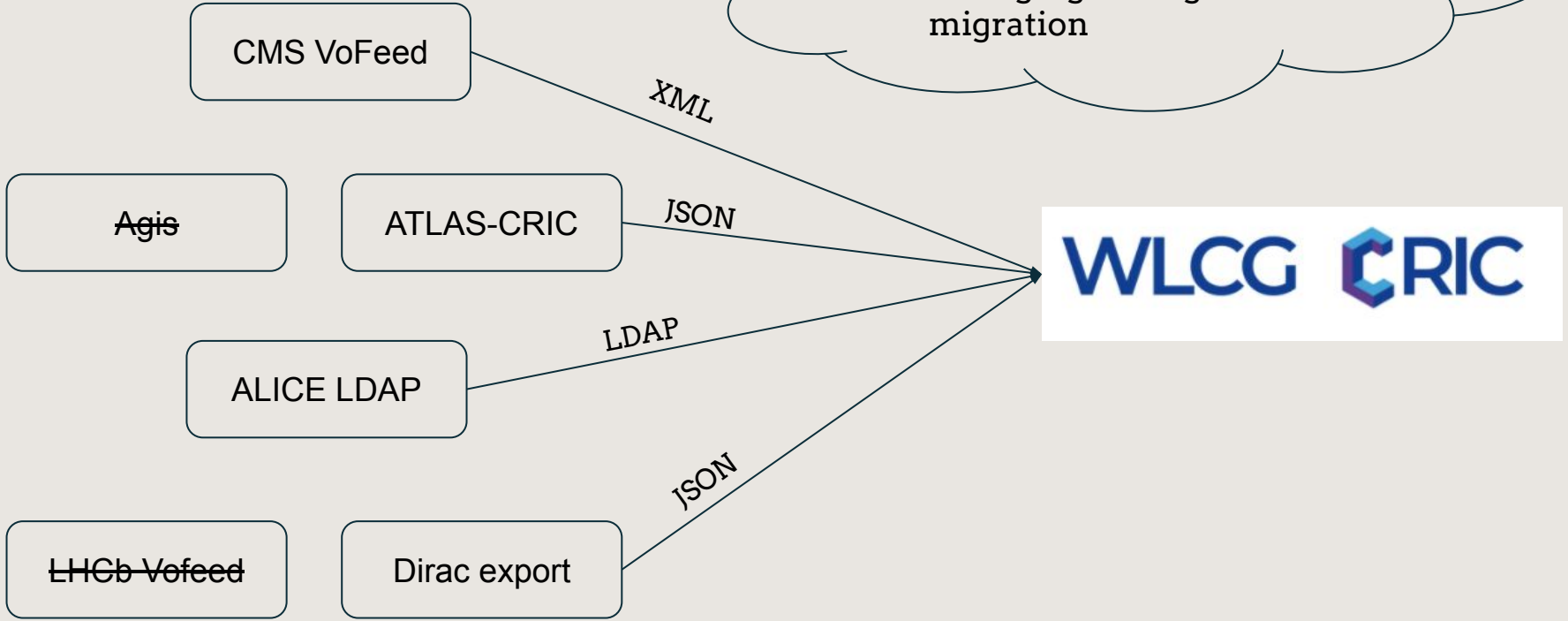




# Experiment Sources

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- Many sources
- Different ways to advertise data
- Changing during the migration





# Comparing info in various sources with CRIC

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- Inconsistencies will always be there, a way to spot them fast enough and take action is needed.
- We developed an independent service that can compare the data on the various VO sources with the data in CRIC.
- This comparator is deployed in OpenShift as a REST api that can be queried to compare various sources.
- In case new inconsistencies appear they are reported in our mailing list and we can take action in a timely manner. Most common issues would be:
  - A new site that is not declared in official sources appears.
  - New/unknown flavours appear and endpoints are not imported in CRIC
  - A service is modified by a site-admin directly in CRIC, leading to inconsistencies with the VO source.