Follow up on the outcome of the WLCG review on the accounting and pledge management tools

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Overview

- During June 2023 WLCG held a review, assessing our tools and procedures for accounting and pledge management:
 - One survey targeted to site admins
 - One survey targeted to people who are dealing with federation topology and pledge management
 - Feedback from VOs participating in WLCG Operations Coordination
 - Input from the WLCG project office (which is responsible for collecting and maintaining pledges of the whole collaboration).
- Results were presented at the <u>WLCG operations coordination meeting on October 12, 2023</u> and the <u>January 2024 GDB</u>
- Today, we will go through the results, giving updates on how the feedback was addressed and what our future plans are for the remaining items.

Review topics

- What did we ask about:
 - o APEL
 - EGI Accounting Portal
 - WLCG Accounting Utility (WAU)
 - Accounting validation procedure and related UI
 - Monthly accounting reports
 - Overall procedure for the definition of the VO requirements and yearly pledges
 - CRIC UI for pledge and VO requirements definition



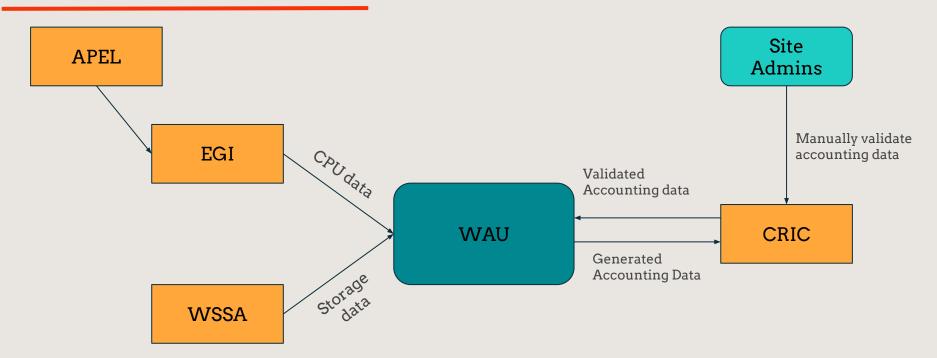
Site Survey Results



- 23 sites participated: 5 Tier-1s, 16 Tier-2s, 1 Tier-3
- APEL
 - People are mostly satisfied by data quality (although 10% rated it poorly)
 - o 50% of participants are not satisfied with the support provided by APEL
- EGI
 - Overall, users are happy with the portal, but there were a few suggestions on how to improve site usability. These are being followed up with the portal developers.
- WAU
 - Unfortunately, not a lot of people are aware of the platform:
 - https://monit-grafana.cern.ch/d/000000425/default?orgId=20&viewPanel=8
- Monthly accounting validation
 - Overall very positive feedback

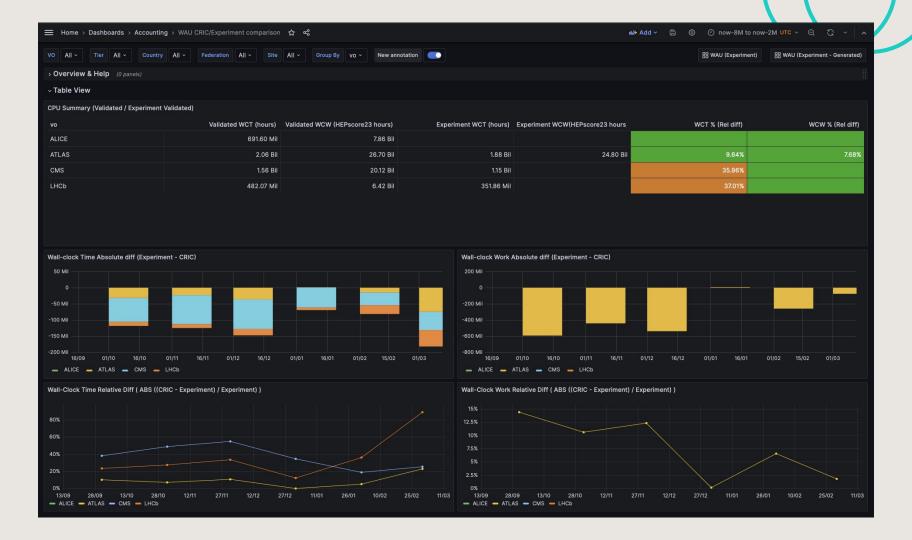
Improvements in the WLCG accounting ecosystem WAU WSSA CRIC etc





Experiment data in WAU

- One of the main requests coming from the experiments is that they would be interested to crosscheck their accounting data with data in the EGI portal
- Experiment data are now being imported in WAU and can be compared with EGI data and CRIC validated numbers:
 - https://monit-grafana.cern.ch/d/GIwMwM nk/wau-cric-experiment-comparison?orgId=
 20
- There are still improvements that need to be done
 - We only have ATLAS+CMS data for both wallclock time and wall clock work, LHCb only provides wallclock time and ALICE provides no data
 - There is ongoing work on getting ALICE data into some Grafana-compatible source
 - Only ATLAS data seem to be reliable; CMS shows big discrepancy which might be true but we do need to follow up further

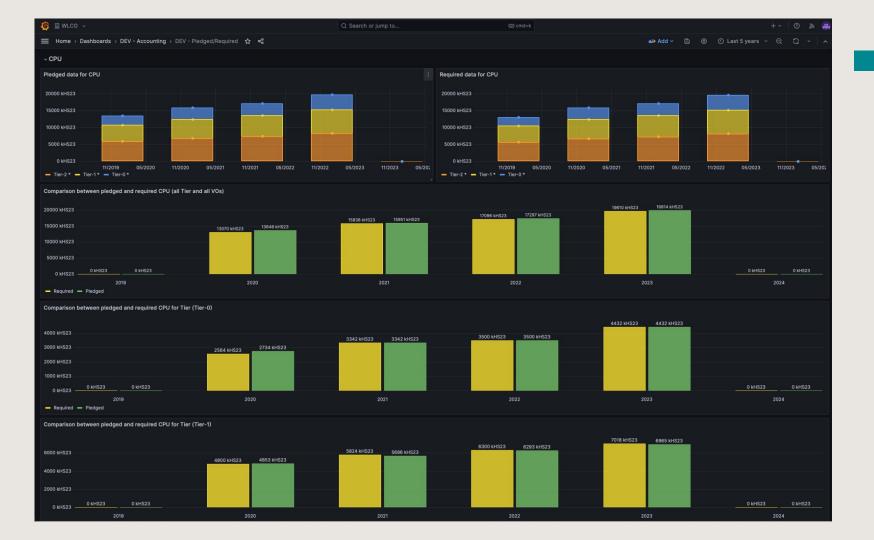


Improvements on the Pledge and VO requirements definition

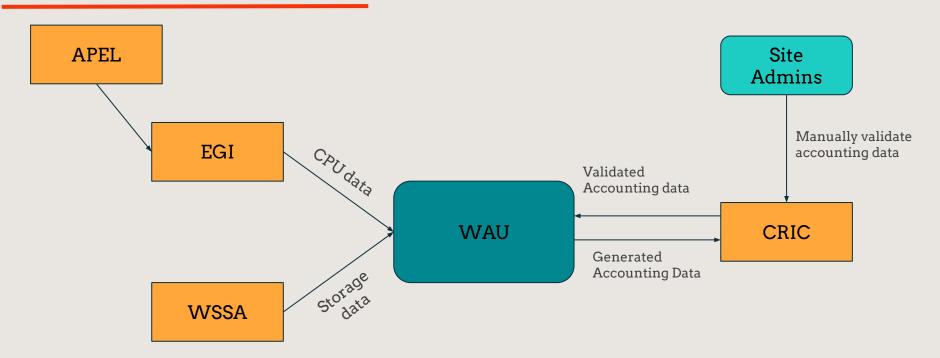


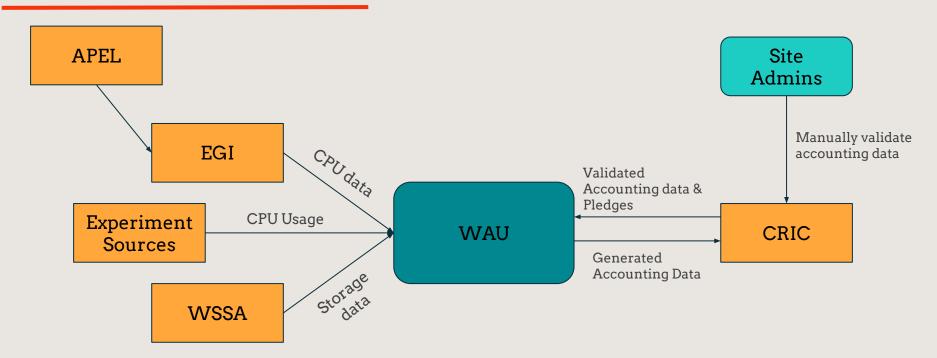
CRIC UI for pledge and VO requirements definition

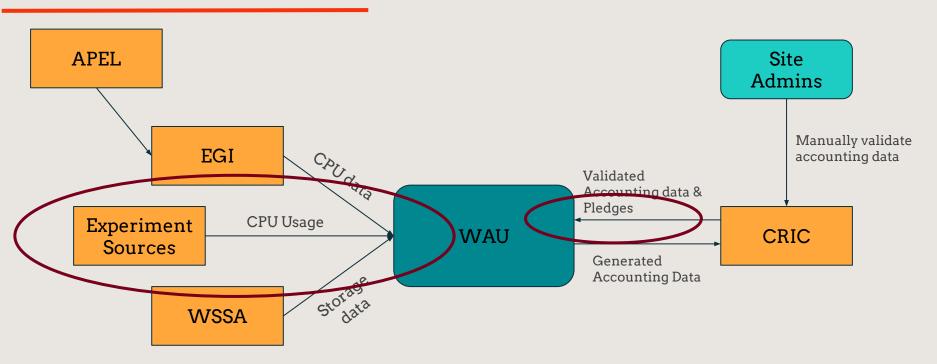
- We received a few suggestions on how to improve the CRIC UI and the workflows around pledge submission
 - o Improvements to the pledge definition process were also suggested
 - We will, in time for next year's submissions, implement in CRIC a new interface where each user will only see the pledges they are supposed to edit, thus removing any confusion
 - The main request was the possibility to see in plots the evolution over the years of pledges and VO requirements together with the comparison between the two
 - All the historical data from CRIC were made available to Grafana where we now have plots that enable exploring the history of pledges and requirements
 - "Almost final" version:











Input of the WLCG project office



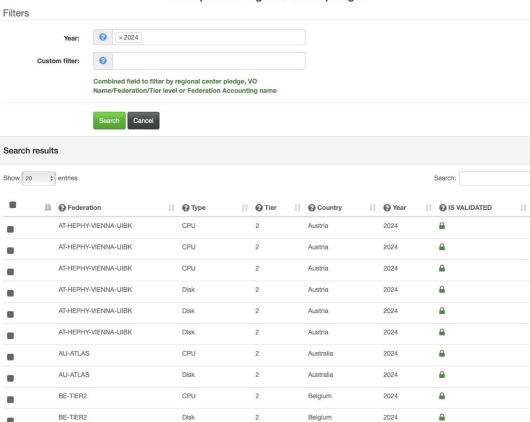
WLCG project office input



- The input was focused on CRIC functionality for VO requirements and pledge definition
- Main points:
 - Single dedicated interface to enter pledges for the new year:
 - New personalised UI for each user, which will be linked to from all appropriate places ONGOING
 - Expiration of CRIC local accounts after some time of inactivity (maybe 1 year)
 - Preliminary work of adding an expiration date is done. The lifecycle mechanism is to be implemented before next year's pledge submission.
 - An interface to create pledges in bulk TO BE DONE
 - An interface to lock/unlock pledges in bulk DONE
 - Many minor suggestions for UI usability improvements



Bulk update of regional center pledges



Thank you!

