

- HEPsScore23 integration in the accounting workflow
- Implementation of new features
 - General data filtering by benchmark
 - Specific data filtering by benchmark
 - Custom plots according to the benchmark data filtering
- Currently deployed in the staging environment (<https://accounting-staging.egi.eu>)

Added the option “Benchmark” in the row variable. Now the user can filter the data by benchmark:

Accounting Portal High-Throughput Compute Cloud Compute Disciplines Research Infrastructures Reports Help Tier1

The EGI Accounting Portal is an EGI service provided by CESGA
This work is co-funded by the EOSC-hub project (Horizon 2020) under Grant number 777536.

Tier 1 Grid Accounting

Metric: Number of jobs Metric Unit: Number of jobs Start Time: January 2023 End Time: January 2024

Row Variable: Benchmark Column Variable: Date

VO Filtering: LHC TOP 10 ALL EGI Official Custom VO Selection

Job submission type: Global Jobs Only All Jobs Local Jobs Only

Update

This view shows the accounting data from all Grid Sites that are classified as WLCG Tier1. Only production certified Sites are included. The metric shown is Total number of jobs, grouped by undefined and Month, LHC VOs are shown. No local jobs are shown

Tier1 — Total number of jobs by undefined and Month (LHC VOs)

undefined	Feb 2023	Mar 2023	Jun 2023	Jul 2023	Sep 2023	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Total	Percent
hepscore23	10,732	75,043	1,788	411	1,411	3,624	3,831	3,706	954	101,500	56.59%
hepspec	0	0	0	0	0	15,302	52,282	10,265	0	77,849	43.41%
Total	10,732	75,043	1,788	411	1,411	18,926	56,113	13,971	954	179,349	
Percent	5.98%	41.84%	1.00%	0.23%	0.79%	10.55%	31.29%	7.79%	0.53%		

1 - 2 of 2 results Number of rows per page 30

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The information in the previous table is also shown in the following graph.

- We can filter the benchmark by metric, metric unit, time, and column variable options

Filter by benchmark is also available in a specific site view:

Accounting Portal High-Throughput Compute Cloud Compute Disciplines Research Infrastructures Reports Help

Tier1 / FZK-LCG2

The EGI Accounting Portal is an EGI service provided by CESGA
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Tier 1 Grid Accounting

Metric: Number of jobs
Metric Unit: Number of jobs
Start Time: January 2023
End Time: January 2024

Row Variable: Benchmark
Column Variable: Date

VO Filtering: LHC TOP 10 ALL EGI Official Custom VO Selection
 Job submission type: Global Jobs Only All Jobs Local Jobs Only

Update

This view shows the accounting data in WLCG Tier1 Site FZK-LCG2. The metric shown is Total number of jobs, grouped by undefined and Month, LHC VOs are shown. No local jobs are shown

Resource Centre FZK-LCG2 — Total number of jobs by undefined and Month (LHC VOs)

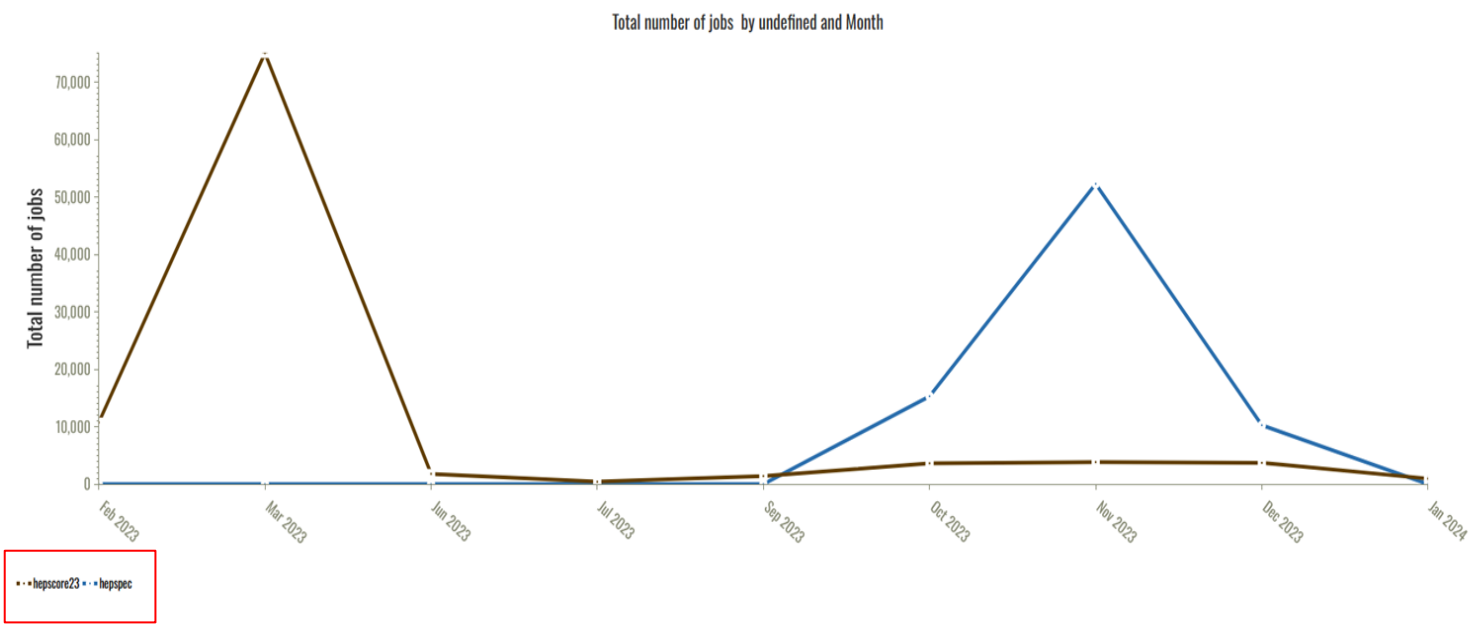
undefined	Nov 2023	Total	Percent
hepspec	9,869	9,869	100%
Total	9,869	9,869	
Percent	100.00%		

1 - 1 of 1 results Number of rows per page 30

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The information in the previous table is also shown in the following graph.

Custom plots for each view are also filtered by benchmark:



Replicated the functionalities from Tier 1 view:

Accounting Portal High-Throughput Compute Cloud Compute Disciplines Research Infrastructures Reports Help Tier 2 / INFN-CNAF-LHCB

Tier 2 Grid Accounting

The EGI Accounting Portal is an EGI service provided by CESGA
This work is co-funded by the E0SC-hub project (Horizon 2020) under Grant number 777536.

Metric: CPU Efficiency **Metric Unit:** %

Start Time: January 2023 **End Time:** January 2024

Row Variable: Benchmark **Column Variable:** Date

VO Filtering: LHC TOP 10 ALL EGI Official Custom VO Selection

Job submission type: Global Jobs Only All Jobs Local Jobs Only

This view shows the accounting data in WLCG Tier2 Site INFN-CNAF-LHCB. The metric shown is CPU Efficiency, grouped by undefined and Month, LHC VOs are shown. No local jobs are shown

Resource Centre INFN-CNAF-LHCB — CPU Efficiency (%) by undefined and Month (LHC VOs)

undefined	Feb 2023	Mar 2023	Oct 2023	Nov 2023	Total
hepscore23	95.74%	99.54%	6.2%	4.55%	99.07%
hepspec	0%	0%	11.5%	11.88%	11.41%
Total	95.74%	99.54%	11.3%	11.86%	70.66%

1 - 2 of 2 results Number of rows per page 30

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The information in the previous table is also shown in the following graph.

Replicated the functionalities from the other views:

Accounting Portal Tier 1- Tier 2- WLCG Sites- WLCG Reports- Help- Countries / Italy

Infrastructure High Throughput Compute Accounting
 The EGI Accounting Portal is an EGI service provided by CESGA
 This work is co-funded by the EOSC-hub project (Horizon 2020) under Grant number 777536.

Metric: CPU Efficiency Metric Unit: % Start Time: January 2023 End Time: January 2024

Row Variable: Benchmark Column Variable: Month

VO Filtering: LHC TOP 10 ALL EGI Official Custom VO Selection

Job submission type: Global Jobs Only All Jobs Local Jobs Only

Update

The Grid WLCG view shows the accounting data from all Grid Sites in the database in Italy. Accounting information is only gathered from Sites that are certified in GOCDB. The metric shown is CPU Efficiency, grouped by undefined and Month, LHC VOs are shown. No local jobs are shown

Italy — CPU Efficiency (%) by undefined and Month (LHC VOs)

undefined	Feb 2023	Mar 2023	Oct 2023	Nov 2023	Dec 2023	Total
hepscore23	75.87%	83.27%	6.85%	5.68%	5.68%	82.35%
hepspec	0%	0%	12.45%	72%	11.43%	71.96%
Total	75.87%	83.27%	12.45%	72%	11.43%	72.08%

1 - 2 of 2 results < 1 > Number of rows per page 30

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The information in the previous table is also shown in the following graph.

- Currently: Selection of the 'benchmark' option as a row variable: the data is provided organized by benchmark
- Requested feature: availability to click on a specific benchmark to generate a 'new view' where data is filtered according to the selected benchmark
- This feature will provide the user with a more personalized view of the benchmarked data
- New testing will be required for new developments