



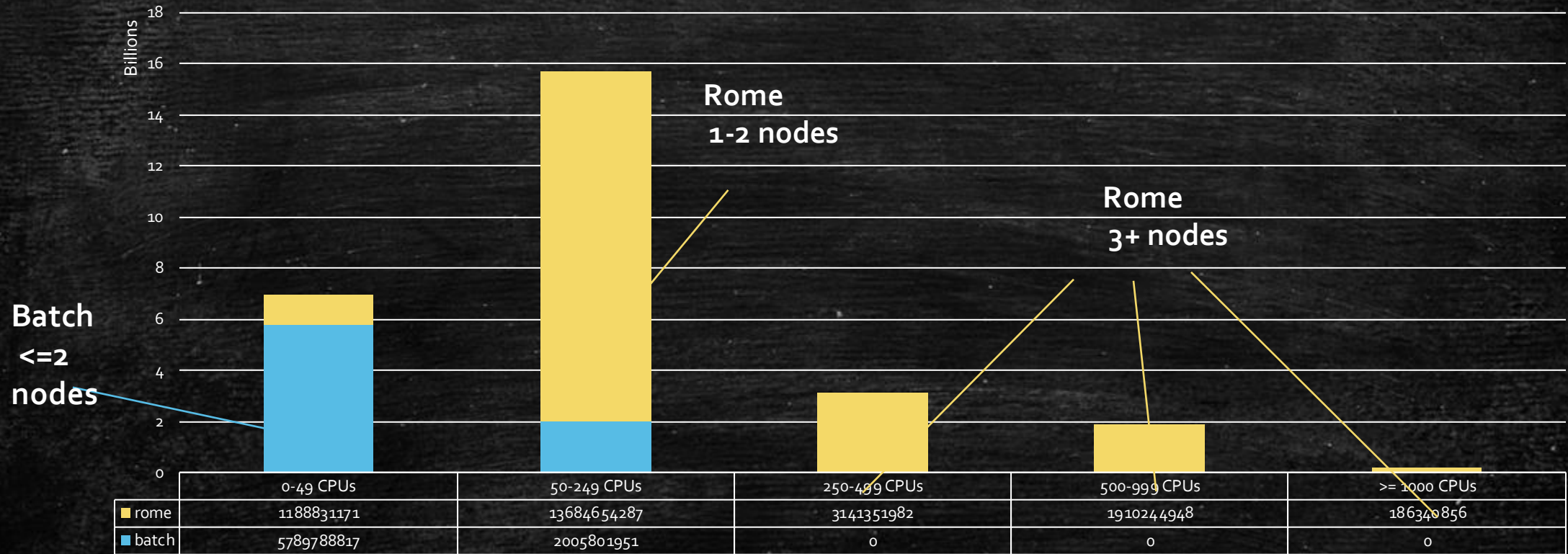
# ARISTOTLE HPC

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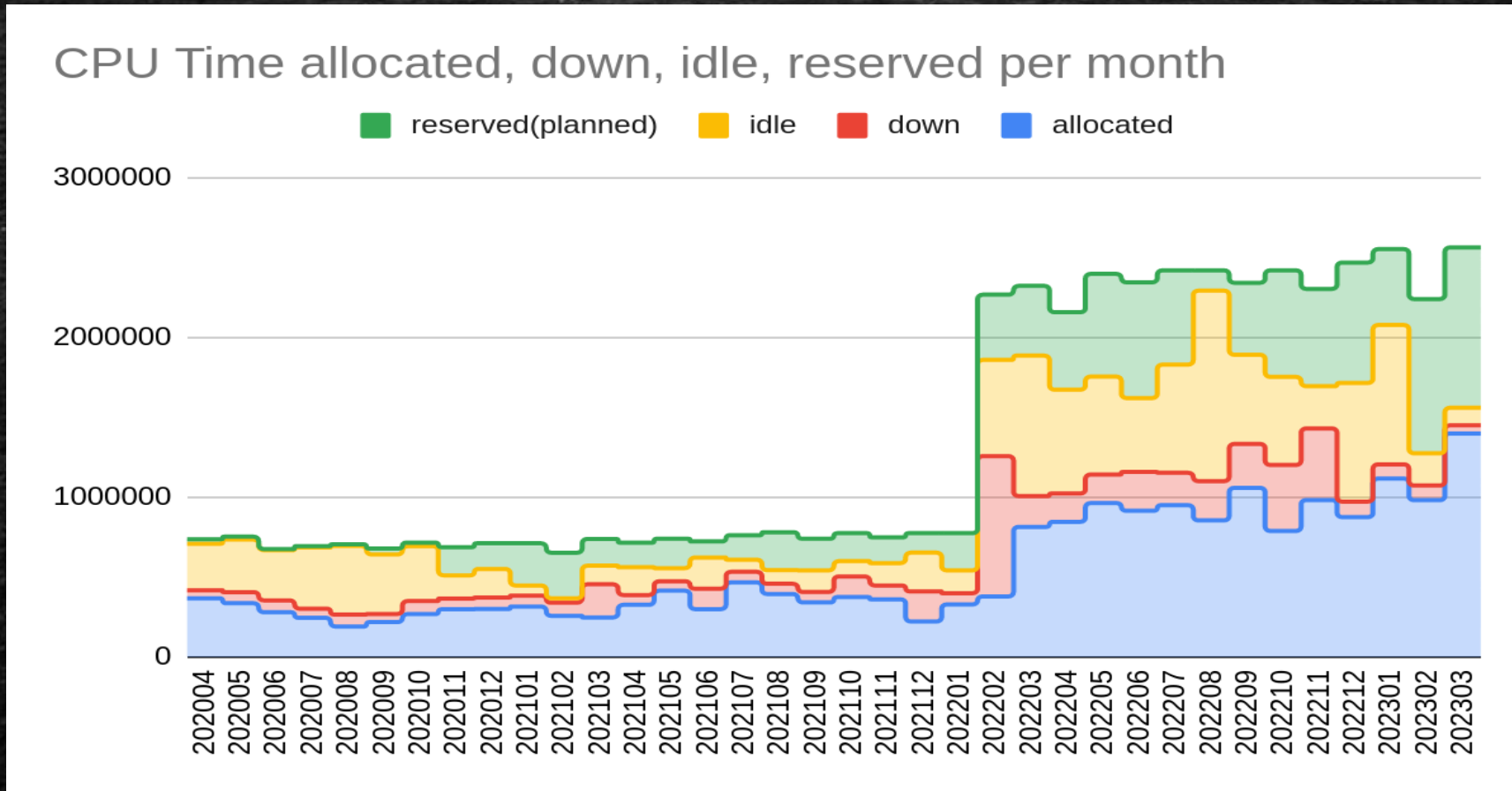
USAGE INFORMATION & STATISTICS

# CPU Time breakdown by job size [2022]

CPU Time Used (by job size) [billions of seconds]

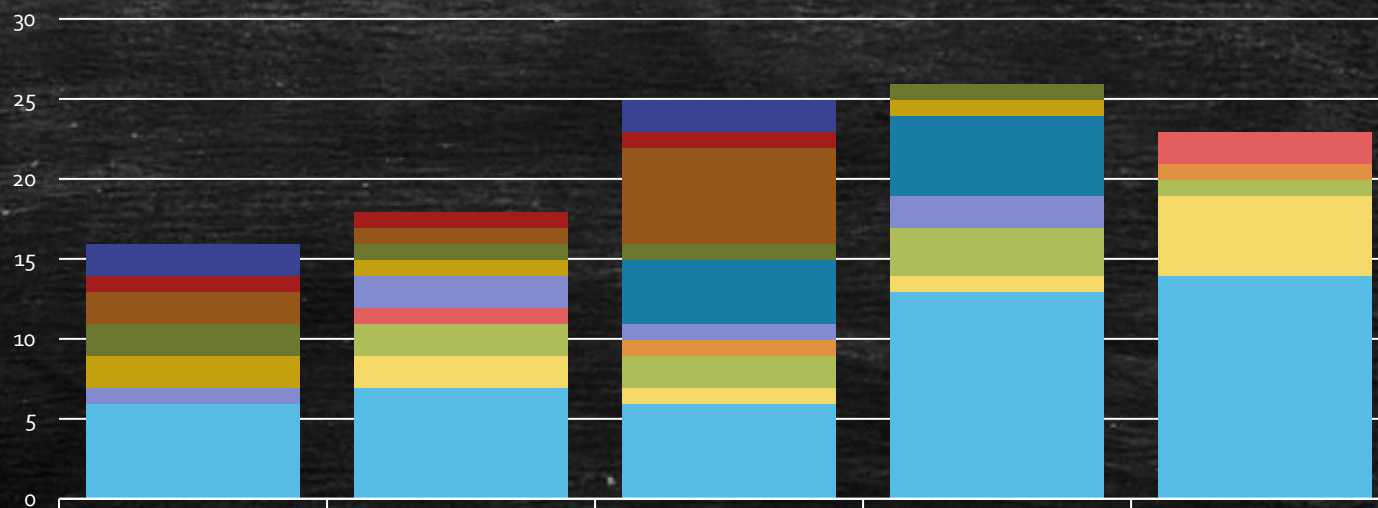


# Utilization (per month)



# Publications per year

Δημοσιεύσεις (πλήθος) ανά έτος



	2018	2019	2020	2021	2022
■ Ιατρικής	2		2		
■ Φαρμακευτικό	1	1	1		
■ Γεωλογίας	2	1	6		
■ Μαθηματικών	2	1	1	1	
■ Βιολογίας	2	1		1	
■ Χημείας			4	5	
■ Μηχανολόγων Μηχανικών	1	2	1	2	
■ Χημικών Μηχανικών		1			2
■ Πληροφορική			1		1
■ ΗΜΜΥ		2	2	3	1
■ Πολιτικών Μηχανικών		2	1	1	5
■ Φυσικής	6	7	6	13	14

# Job accounting data and efficiency

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```
$ sacct -u <username> -S now-1day  
$ seff <jobid>
```

```
$ seff 1562855  
Job ID: 1562855  
Cluster: aristotle  
User/Group: alcharal/alcharal  
State: COMPLETED (exit code 0)  
Cores: 1  
CPU Utilized: 00:03:57  
CPU Efficiency: 97.93% of 00:04:02 core-wi  
Job Wall-clock time: 00:04:02  
Memory Utilized: 3.98 GB  
Memory Efficiency: 51.01% of 7.81 GB
```

```
$ seff 1560512  
Job ID: 1560512  
Cluster: aristotle  
User/Group: alcharal/alcharal  
State: COMPLETED (exit code 0)  
Nodes: 1  
Cores per node: 8  
CPU Utilized: 01:22:21  
CPU Efficiency: 54.51% of 02:31:04 cor  
Job Wall-clock time: 00:18:53  
Memory Utilized: 10.62 GB  
Memory Efficiency: 67.98% of 15.62 GB
```

# CPU load with sinfo

---

```
$ sinfo -N
```

```
$ sinfo -p rome -N -o "%4N %60 %t"  
NODE CPU_LO STATE  
cn32 0.01 idle  
cn33 0.01 idle  
cn34 126.88 alloc  
cn35 128.15 alloc  
cn36 130.15 alloc  
cn37 127.24 alloc  
cn38 128.08 alloc  
cn39 126.26 alloc  
cn40 128.10 alloc  
cn41 128.04 alloc  
cn42 123.34 alloc  
cn43 127.33 alloc  
cn44 0.01 idle  
cn45 0.01 idle  
cn46 0.01 idle  
cn47 0.24 idle  
cn48 0.01 idle
```

# Additional Resources

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- Statistics: <https://stats.it.auth.gr/#hpc>
- Documentation: <https://hpc.it.auth.gr>
- Contact Support: [hpc-support@auth.gr](mailto:hpc-support@auth.gr)
- HPC Auth Slack channel: <https://auth-hpc.slack.com>
- Request Access: [https://eforms.auth.gr/it/scientific\\_account/](https://eforms.auth.gr/it/scientific_account/)
- Request Software: [https://eforms.auth.gr/it/compl\\_scientific\\_software/](https://eforms.auth.gr/it/compl_scientific_software/)

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