

2nd Annual Meeting of EUROfusion HPC ACHs

Experiences with MARCONI & LEONARDO

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This work has been carried out within the framework of the EUROfusion Consortium, funded by the European Union via the Euratom Research and Training Programme (Grant Agreement No 101052200 – EUROfusion). Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Commission. Neither the European Union nor the European Commission can be held responsible for them.



Motivation

Objective

- Sharing and Addressing Experiences, Problems, and Concerns with Machine Use

Multiple Viewpoints

- Users
- Developers
- TC/OC Members

Ticket Committee (TC): holds monthly meetings to:

- review issues reported by EUROfusion users on Marconi and Leonardo machines.
- monitor the reliability and stability of Marconi and Leonardo machines using production codes (e.g. Euterpe, Gene, Orb5, starwall ...)



Motivation

From TC experience, some Opening Thoughts for Discussion

- Network instabilities on Marconi and Leonardo due to hardware issues that caused job failures and reduced system availability. *Have you experienced this instability?*
- HPCMD tool was made available to users, enabling them to obtain information about their jobs' hardware usage. *Are you using it? Is useful?*
- Most tickets are resolved by the helpdesk within two business days. *What has your experience been with the ticket system on these machines?*
- Job queue waiting times are relatively long on Leonardo and have worsened on Marconi due to the reduction in available nodes. *What is your experience submitting jobs to those systems?*
- *Have you noticed notable wall clock time fluctuations in your executions?*
- **Open Discussion:** any experience, other issues and feedback are Welcome.