

Summary

What now?

EPSRC

NERC SCIENCE OF THE ENVIRONMENT

 **archer**

CRAY
THE SUPERCOMPUTER COMPANY

epcc



SAFE

- SAFE is an online ARCHER management system which all users have an account on
 - Request machine accounts
 - Reset passwords
 - View resource usage
- Primary way in which PIs manage their ARCHER projects
 - Management of project users
 - Track user's project usage
 - Email users of the project



Budgeting on ARCHER

- Budgets are measures in kAUs
 - 0.36 kAUs for a node hour.
 - There is no usage charge for time spent working on the login nodes, post processing nodes or RDF DAC
 - You can track usage via the SAFE or the *budgets* command (calculated daily.)
- To calculate how many kAUs a job would require or the monetary cost of this then see the ARCHER website
 - <https://www.archer.ac.uk/access/au-calculator/>
 - <https://www.archer.ac.uk/access/cost/>



Getting access to ARCHER

- Standard research grant
 - Request Technical Assessment using form on ARCHER website
 - Submit completed TA with notional cost in Je-S
 - Apply for time for maximum of 3 years
- ARCHER Resource Allocation Panel (RAP)
 - Request Technical Assessment using form on ARCHER website
 - Submit completed TA with RAP form
 - Every 6 months
- Application for computer time only
 - Instant Access – Pump-Priming Time
 - Request Technical Assessment using form on ARCHER website
 - Submit completed TA with 2 page description of work



Documentation

- See <http://www.archer.ac.uk/documentation/>
- The Quick Start Guide at <https://www.archer.ac.uk/support/getting-started/> is a good place to start.



Funding calls

- Embedded CSE support
 - Through a series of regular calls, Embedded CSE (eCSE) support provides funding to the ARCHER user community to develop software in a sustainable manner for running on ARCHER. Funding will enable the employment of a researcher or code developer to work specifically on the relevant software to enable new features or improve the performance of the code
 - Apply for funding for development effort
 - Regular calls are every 4 months
 - actively encouraging applications from New Scientific Communities
- See <http://www.archer.ac.uk> for details



ARCHER Driving Test

- https://www.archer.ac.uk/training/course-material/online/driving_test.php
- On successful completion of the Driving Test
 - invited to apply for an account and awarded an allowance of 1200 kAUs (80,000 core-hours) to use to run jobs over a period of up to 12 months.
- Test covers various specific features of ARCHER
 - easy to understand now you have completed this general course
 - see “Material specific to ARCHER” at <https://www.archer.ac.uk/training/course-material/online/index.php>



Support

- Helpdesk
 - Email support@archer.ac.uk
 - via ARCHER SAFE <http://www.archer.ac.uk/safe>
 - phone: +44 (0)131 650 5000
 - By post, to:
ARCHER helpdesk
EPCC
James Clerk Maxwell Building
Peter Guthrie Tait Road
EDINBURGH EH9 3JZ
- <http://www.archer.ac.uk/documentation/>



Training opportunities

- ARCHER Training (free to academics):
 - <http://www.archer.ac.uk/training/>
- EPCC MSc in HPC
 - <http://www.epcc.ed.ac.uk/msc/>
- EPCC accredited online HPC courses
 - <http://www.epcc.ed.ac.uk/online-courses/>



Virtual Tutorials

- Live online interactive sessions
 - a forum for users of ARCHER to ask any questions you may have about the ARCHER service.
- 30 – 45 minute lecture on specific topic
 - followed by an open Q&A session
- Broadcast using Blackboard Collaborate.
- Every second Wednesday of the month at 15:00 UK time
 - <http://www.archer.ac.uk/training/virtual/>



Feedback and follow-up

- <http://www.archer.ac.uk/training/feedback/>

