HPC Training at EPCC (including ARCHER2)

David Henty d.henty@epcc.ed.ac.uk





Reusing this material



This work is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License.

http://creativecommons.org/licenses/by-nc-sa/4.0/

This means you are free to copy and redistribute the material and adapt and build on the material under the following terms: You must give appropriate credit, provide a link to the license and indicate if changes were made. If you adapt or build on the material you must distribute your work under the same license as the original.

Note that this presentation contains images owned by others. Please seek their permission before reusing these images.





EPCC

- Founded in 1990 as Edinburgh Parallel Computing Centre
 - A Centre in The University of Edinburgh, Scotland, UK
 - self-funded with over 100 full-time staff
 - relocated to the Bayes Centre in 2018











Activities

- Projects in HPC, Data Science & Software Development
 - supporting UK academic research
 - industrial partners
 - European funding
- National Supercomputing services
 - ARCHER2 and Cirrus



- Postgraduate Masters Programmes in HPC
- HPC training courses for national services

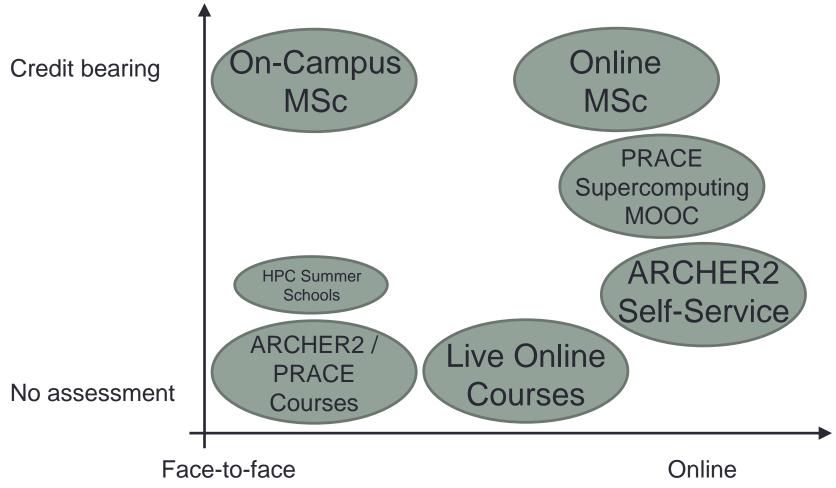








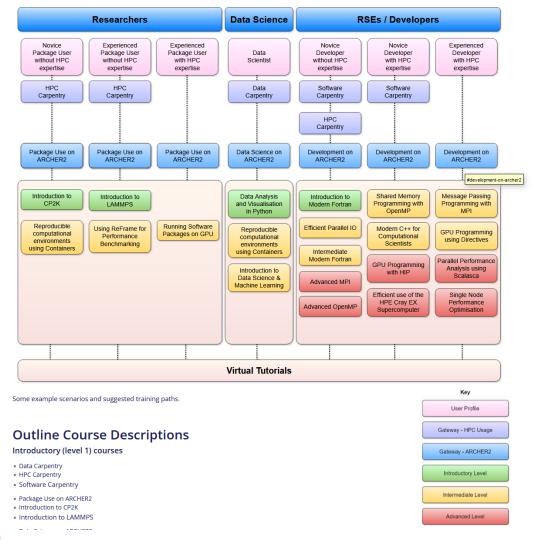
EPCC Ecosystem (non-COVID)







https://www.archer2.ac.uk/training/courses/

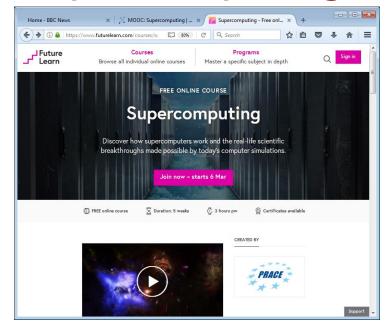






futurelearn.com/courses/supercomputing/

- Free introductory course
 - videos, articles, quizzes, discussion boards etc.
 - certificate upon completion of multiple-choice test (+fee!)
 - largely conceptual
 - tutors contribute to discussions
 - "ask an expert" sessions
- Five runs from 2017 2019
 - typically around 3000 "joiners"
 - typically around 300 "completers"
- Still running in "unfacilitated" mode

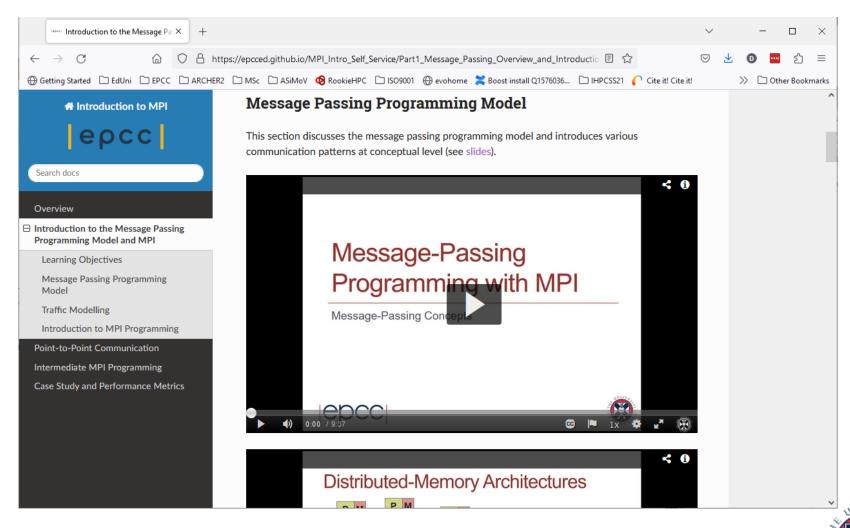








ARCHER2 Self-Service Courses





Conclusions

- ARCHER2 training available face-to-face and online (synchronous delivery or asynchronous self-service)
- Wide range of material covering a diverse user community
- We see high demand for introductory / fundamental courses
 - Carpentries
 - programming
 - data science
- as well as for emerging areas
 - GPUs



