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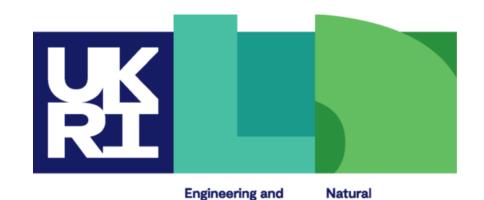
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Partners









Physical Sciences

Research Council

Environment

Research Council



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Introduction



- 60+ days of interactive face-to-face and online courses and webinars.
- Course catalogue aimed to cover users' needs.
- The number of face-to-face courses will be larger from May 2023.
- Self-service courses also available:
 - MPI
 - OpenMP
 - GROMACS+CP2K
- Past course materials and recordings available on the ARCHER2 website.
- Feedback from:
 - Past course attendees.
 - ARCHER2 training forum.
 - ARCHER2 training panel.

ARCHER2 Training Programme 2023/24 draft



Quarter	Course	Level	Days	Quarter	Course	Level	Days
Q1	Data Carpentry	1	2	Q3	Data Carpentry	1	2
	HPC Carpentry	1	2		HPC Carpentry	1	2
	Reproducible comp. env. using containers	1	2		Reproducible comp. env. using containers	1	2
	Plotting and Programming in Python	1	1		Introduction to Xcompact3D (*)	1	1
	Introduction to OpenMP	2	3		Advanced use of LAMMPS (*)	2	1
	Advanced MPI	3	2		Advanced OpenMP	2	2
	Parallel Performance Analysis using Scalasca	3	2		Debugging and Profiling on ARCHER2 (*)	2	2
					Intermediate Modern Fortran (*)	2	2
	Virtual tutorials	1-3	1.5		Virtual tutorials	1-3	1.5
	Software Carpentry	1	2	Q4	Software Carpentry	1	2
	ARCHER2 for Data Scientists	1	1		ARCHER2 for Data Scientists	1	1
	ARCHER2 for Developers	1	2		ARCHER2 for Developers	1	2
	ARCHER2 for Package Users	1	1		ARCHER2 for Package Users	1	1
	Data Analysis and Visualisation in Python	1	2		Modern C++ for Computational Scientists	1	2
Q2	Introduction to VASP (+)	1	1		Message Passing Programming with MPI	2	3
	Understanding Package Performance	1	1		Efficient use of the HPE Cray EX System	3	3
	Data Science for Decision Makers (*)	1	1				
	Efficient Parallel IO	3	1				
	Performance Optimisation on AMD EPYC	3	2				
	Virtual tutorials	1-3	1.5		Virtual tutorials	1-3	1.5

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Questions/discussion

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- What courses would you add/remove/keep?
- Is there any course that you (or your consortium) might be particularly interested in?
- Would you prefer to enrol in any of the below courses in a self-service format?

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	Plotting and Programming in Python	1	1		Introduction to Xcompact3D (*)	1	1
	Introduction to OpenMP	2	3		Advanced use of LAMMPS (*)	2	1
	Advanced MPI	3	2		Advanced OpenMP	2	2
	Parallel Performance Analysis using Scalasca	3	2		Debugging and Profiling on ARCHER2 (*)	2	2
					Intermediate Modern Fortran (*)	2	2
	Virtual tutorials	1-3	1.5		Virtual tutorials	1-3	1.5
	Software Carpentry	1	2	Q4	Software Carpentry	1	2
Q2	ARCHER2 for Data Scientists	1	1		ARCHER2 for Data Scientists	1	1
	ARCHER2 for Developers	1	2		ARCHER2 for Developers	1	2
	ARCHER2 for Package Users	1	1		ARCHER2 for Package Users	1	1
	Data Analysis and Visualisation in Python	1	2		Modern C++ for Computational Scientists	1	2
	Introduction to VASP (+)	1	1		Message Passing Programming with MPI	2	3
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