

Site update from Leeds for HPC-SIG meeting on 9 February 2017

1. As part of a regular upgrade programme, Leeds are retiring an old cluster and commissioning a new cluster, ARC3 (4056 cores, 22TB memory, 360TB Lustre filestore, Infiniband interconnect and NVidia K80 nodes)
2. Continue to provide an extensive consultancy and training programme, including 11 Software and Data Carpentry workshops over the past year and our own training programme with workshops including Linux command line skills, Introduction to HPC, parallel & high performance programming, visualisation and Cloud: <http://arc.leeds.ac.uk/training/> Consultancy work has included increasing collaborations with Arts, the Digital Humanities and work to support taught elements of DTC provision.
3. Training collaborations have been supported through three NERC ATSC (Advanced Training Short Course) and a BBSRC STARS (Strategic Training Awards for Research Skills).
4. Leeds continues to establish and support research networks, including a visualisation network, an RSE group and a local Women in HPC chapter.
5. The new cluster, with GPU nodes, is our first move into accelerator technologies and should allow us to better support a number of new communities, such as those involved in Deep Learning. In addition, we have been exploring application of containerisation technologies (particularly Singularity: <http://singularity.lbl.gov/>) which has shown great potential so far.
6. For the past two summers, we've run an 8 week paid intern programme in conjunction with the School of Computing at Leeds, offering undergraduate students the opportunity to work with HPC, learn about its applications and (with guidance) support users.

Coming up:

Leeds are hosting the Software Sustainability Institute's annual Collaborations Workshop (CW17), between March 27 and 29 2017 with a theme of "The Internet of Things (IoT) and Open Data: implications for research." <https://www.software.ac.uk/cw17>

The following week (on April 5th 2017), Leeds are also planning to host a UK-wide Women in HPC meeting. More details on this to follow.