

Exeter Site Update

- Replaced two existing clusters: Zen (physics), Zeus (life sciences)
- £3M investment from UoE to buy new machine and refurbish data centre
- Consolidate facilities into a single central system
- Accommodate requirements from physical sciences, life sciences and others

Exeter Site Update

- Data centre refurbishment was carried out whilst HPC procurement was in progress
 - Hosted phase 1 system in containerised data centre whilst refurbishment was completed
- Differing requirements from physical sciences and life sciences
 - “Traditional” batch scheduled HPC + OpenStack in a single system



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- 372 compute nodes in batch queue:
 - 200x standard compute nodes (16 core Haswell/20 core Broadwell, 128GB RAM)
 - 2x high memory nodes (3TB RAM)
 - 2x GPU (K80), 2x Xeon Phi (KNC) nodes
 - 166 computes nodes dedicated to MRC and EU projects
- 24x Openstack nodes
- EDR Infiniband
- 200TB DDN GPFS storage
- Moab scheduler