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The UK Ada Lovelace Centre

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The Ada Lovelace Centre (ALC) will be a centre of expertise in scientific software engineering and data management, helping UK national facilities (Diamond Light Source, ISIS Neutron and Muon Source, Central Laser Facility, Scientific Computing Department) to maximise scientific and economic impact along all parts of the data chain e.g. machine learning techniques to efficiently filter high value data at the beamline, advanced simulation techniques to interpret analysed data, and long term curation and re-use of aggregated data. At the same time ALC will help to reduce the related environmental (energy) impact, and associated cost, of facility and computing resource operation. A number of collaborative projects have been carried out under the ALC 'brand' over the last few years, but funding is now available to expand the activity and properly establish the centre. This contribution will outline the current status and future plans and prospects.

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