# DREAM CDT
## Data, Risk And Environmental Analytical Methods

DREAM is a new **Centre for Doctoral Training** in 'Data, Risk And Environmental Analytical Methods', established between four leading Universities – Cranfield, Newcastle, Cambridge, and Birmingham

Drawing on long-established consortium collaboration and complementary expertise, we seek outcomes for DREAM that include:

- Support for scientific excellence in the use of Big Data principles to improve our understanding of environmental risks and mitigation options across the NERC thematic priorities, and the role of Big Data in improving decision making
- Development of the next generation of doctoral students equipped to address the 'grand challenges' in the use of Big Data for Risk and Mitigation analysis
- Provision of expert practitioners able to satisfy the strong sector demand for leading edge researchers in the field of Big Data for the environmental and social sciences
- Establishment of a student-focused centre of excellence in the use of Big Data approaches to environmental science via the CDT partnership, with support from its sponsor base

DREAM will provide the opportunity for 30 fully-funded PhD studentships in three cohorts to undertake postgraduate research and to apply practical big data analytics. The training will combine excellence in risk mitigation science with cutting-edge big data interpretation across the environmental sciences.

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www.dream-cdt.ac.uk