

# ICT: Big Data

*An introduction to commercial innovation opportunities in the UK big data sector*

## The UK big data sector

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With 2.5 quintillion bytes of data being created each day across the world, the global market for big data technologies will grow from US\$10 billion in 2012 to reach US\$50 billion by 2017.

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Employment in the UK big data sector is forecast to grow at 18 percent per annum to 2017, creating over 130,000 jobs.

3

The UK benefits from a well-established cloud computing sector and an advanced data centre resource, and has particular big data opportunities in sectors such as health, education, environment and energy, life sciences, finance, government and entertainment.

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The UK has globally-renowned thought leaders in big data including Tim Berners-Lee and Nigel Shadbolt, as well as world-class research facilities at institutions such as the University of Oxford and the University of Southampton.

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To support the expansion of the big data sector in the UK, the government has recently invested £150 million in improvements to the UK's e-infrastructure and £189 million in bioinformatics and environmental monitoring.

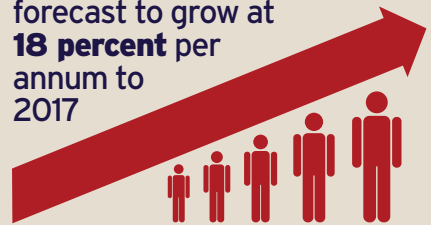
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Big data analytic processes are forecast to save the UK public sector up to £33 billion each year.

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