



Big data dissemination & impact on the met value chain

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The meteorological market is experiencing transformational changes; new supercomputing capability is delivering increasing levels of accuracy. Plus, the emergence of the information economy offers a significant opportunity for meteorological information to participate in a growing diversity of applications via the Internet of Things (IoT).

However, new computational power is leading to the exponential increase in data volumes, with the current data infrastructure becoming an unsustainable method of delivering large data sets on time and in full.

By end of summer 2017, the Met Office expects to produce 200 – 250 TB of PSI data per day, growing from 30TB in early 2016. Having transformational impacts on how the Met Office transmits information to its customers and the suitability of current data policies to realise social economic benefits, and deliver greater innovation within the data reuse community.

The presentation will delve into these issue in further detail, exploring how the Met Office is looking to overcome the challenge of managing and producing large volumes of data, to ensure social economic benefits of improved accuracy can be realised by society.