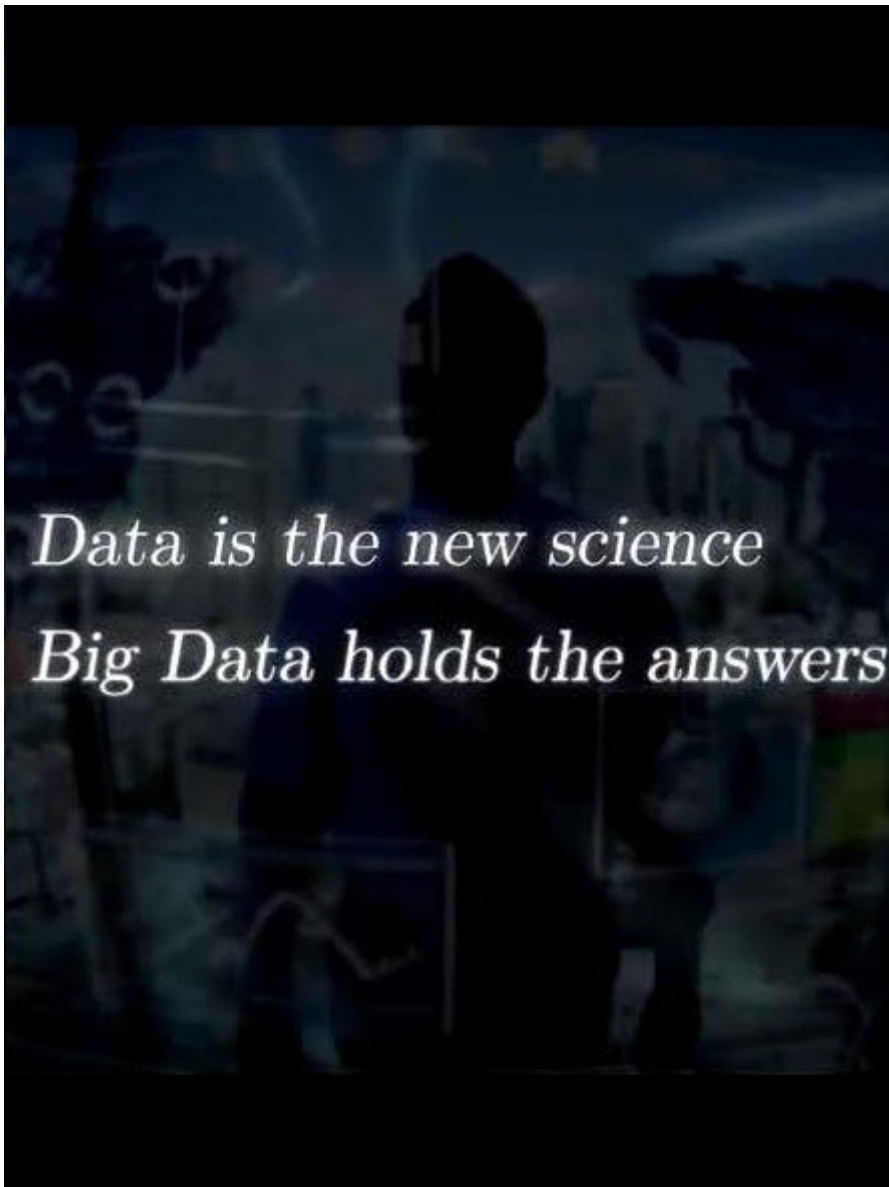# Big data and climate change

Weather and climate studies are a clear case of large amount of data that are required to make a detailed prediction.

Barcelona Supercomputing Center investigates hardware and software for Big Data. We carry out research projects that require large quantities of data. Weather and climate studies are a clear case of large amount of data that are required to make a detailed prediction.
Every time a model reproduces the global changes in a single decade it generates between 135 TB (terabytes) and 5 PB (petabytes) of data.

(Vídeo en català [aquí](#)).

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

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