Big Geospatial Data - OGC white paper and plans

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Big Data is a popular term for software that handles data of very large volume and variety. These new Big Data technologies can increase the value of geospatial data. Over the past year, the Open Geospatial Consortium (OGC) held two Location Powers events organized in 2016 and 2017,
several other workshops and organized multiple implementations around Big Data technologies.
Based on these works, OGC has published a survey named "The Open Geospatial Consortium (OGC) Big Geospatial Data White Paper" with these main themes:
• Geospatial data is increasing in volume and variety.

• New Big Data computing techniques are being applied to geospatial data.
• Geospatial Big Data techniques benefit many applications.

• Open standards are needed for interoperability, efficiency, innovation and cost effectiveness.

The main purpose of this White Paper is to identify activities to be undertaken in OGC Programs that advance the Big Data capabilities as applied to geospatial information and identify technology that can become the basis of open geospatial standards.

This presentation describes how Big Data technologies can be used and it identifies plans for further open developments of Big Data technologies for the geosciences.

Index Terms— Big Data, OGC, White Paper, Open Geospatial Consortium, OGC documents, bigdata, geospatial, location, standards