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**Spatial Data Quality Control: a SOA approach**

Spatial data is increasingly included in the overall data-centric view of the Corporate investment, but quality issues often undermine its true value. The effective use of spatial data for decision making and to improve organisational effectiveness means up-to-date and accurate information at our fingertips. This requires accessible and measurable quality information and access to master data controls. With SOA technology entering the mainstream, organisations are benefiting from greater business flexibility, greater adaptability and agility of applications and the re-use of application components. Using such an approach it is possible to rapidly analyse scattered spatial data to establish its operational purpose and facilitate its re-use by providing data mining, rules-based conformance checking and data cleaning capabilities. In addition it provides accessible quality information and master data management across the business processes. This rigorous control of data quality provides significant return on investment by automating traditionally time-consuming, ongoing and expensive tasks.

This paper will look at the importance of enterprise data quality and the benefits that a SOA approach can bring to address the growing need for master data management of spatial data.