

# The Visualization Design of Spatial-Temporal Web-based GIS-Using SVG

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## ABSTRACT

Spatial-temporal data visualization employing geographical information system and information visualization provides an advanced means to assist with visual data exploration, hypothesis formation and decision making. SVG (Scalable Vector Graphics) is a XML-based 2D Graphics standard on the Web. Employing SVG on the Web GIS provides all the advantages of the XML, including readability, reusability and interoperability. This paper describes the visualization design of spatial-temporal Web-based GIS using SVG. We have developed a prototyped SARS information visualization system based on spatial-temporal SARS data occurred in Taipei during 2003. The results are shown and its applications to other areas are discussed.

Keywords : SVG、WebGIS、GML、information visualization

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