

The logo for FOSS4G 2006 features a stylized red and white graphic on the left, resembling a ribbon or a stylized letter 'G'. To its right, the text 'FOSS4G 2006 - Free And Open Source Software' is written in a bold, black, sans-serif font.

# FOSS4G 2006 - Free And Open Source Software

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## A FOSS4G role in Spatial Data Infrastructures: Implementing Data Standards

Friday 15 Sep 2006 at 08:30 (00h30')

The goal of many FOSS4G deployments, and indeed development efforts, are the creation of Spatial Data Infrastructures. SDIs are intended to be hierarchical - with activity devolved down to the lowest level, and the "whole being greater than the sum of the parts". In practice this is largely unrealised, and the tools are not yet good enough to achieve it. This paper examines the fundamental requirements for SDIs to interoperate, and focusses on the emerging methodologies for creating data standards so that SDI components are worth connecting. Implemented examples using the Geoserver platform will be provided, and an introduction will be provided to activities developing data standards support within Geoserver and Geotools. Finally, a series of guidelines and ideas for turning the "OpenSDI software stack" into a genuine SDI toolkit will be explored, in advance of detailed requirements analysis to be expected from an emerging alignment of global SDI architectures.

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