
Spatial Web Portal for Building Spatial Data Infrastructure

Chaowei Phil Yang^{1,2}, Ying Cao¹, John Evans², Menas Kafatos¹, Myra Bambacus²

¹Earth Systems and GeoInformation Sciences and Center for Earth Observing and Space Research, School of Computational Sciences, George Mason University
²NASA GeoScience Interoperability Office, Code 604.0
E-mail: cyang3@gmu.edu

Abstract

The past decades have witnessed the rapid growth of heterogeneous geospatial information systems. An important way to share these valuable assets is a spatial data infrastructure (SDI). Recent developments in Web Services and distributed geospatial information services (Yang et al., 2005) provide a practical approach, Web Portals, to building a SDI. This article describes research, development, and challenges related to Web Portals for SDI.

Keywords

spatial Web portal, spatial data infrastructure, interoperability, Web services
