Metadata Catalog Service for Geographic Information Resource

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ABSTRACT

This paper presents a framework of Geo-Information Catalog Service System. Catalog Service System uses for the administration of the metadata in georesources exist in Internet to implement the share of georesources. This paper designs the framework of Catalog Service System based on the research about metadata and Metadata standard, experience of Metadata Systems, and application requirement. Further, this paper design the strategies of metadata based on XML in description, transform, query and store. Finally, this paper provides an implementation of the Catalog Service System named CAT System, which is used to build a GIS Decision-Making System with WFS and WMS together. The GIS Decision-Making System gives GIS technolgy supports to Beijing E-Gov.

Keywords: Catalog Service Goeresource Metadata XML