عنوان مقاله:

Data Processing in Space, Time and Semantics Dimensions

محل انتشار:

سومین همایش سیستمهای اطلاعات مکانی (سال: 1385)

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خلاصه مقاله:

This work presents an experimental system for data processing in space, time and semantics dimensions using current Semantic Web technologies. The paper describes how we obtain geographic and event data from Internet sources and also how we integrate them into an RDF store. We briefly introduce a set of functionalities in space, time and semantics dimensions. These functionalities are implemented based on our existing technology for main-memory based RDF data processing developed in the LSDIS Lab. A number of these functionalities are exposed as REST Web services. We present two sample client side applications that are developed using a combination of our services with Google map service.

کلمات کلیدی:

Semantics, RDF, Spatiotemporal, spatiotemporal thematic (STT) functions and proximity, GIS, Event

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