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RESEARCH ARTICLE

A STUDY ON INTERROGATION SYSTEM FOR GEORESOURSE USING RESOURCE DESCRIPTION FRAMEWORK

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Abstract- Ontology's use standard machine-readable languages to explicitly define the formal semantics of concepts and their relationships in a domain. Resource Description framework for interrogation system will require the domain expert knowledge and data owner authentication as well as the appropriate ontology prediction. For Spatial Data Ontology based information retrieval will be complex due to the nature of ontology. So the new mechanism is proposed for the ontology framework for geo-spatial data's. For this one, the resource description Framework (RDF) ontology for accessing the geo spatial data. Due to the complexity of RDF access, the application of N-Triple algorithm for Convert the RDF data's in to the subject, Object, Predicates is applied. This will improve the accuracy of the Information retrieval from the both domain expert and the data owners based on flexible query from user.

Index Terms- Resource Description Framework (RDF); Ontology; Ontology Web Language (OWL)

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