Accepted Manuscript

Semantic mediation of observation datasets through Sensor Observation Services

Manuel A. Regueiro, José R.R. Viqueira, Christoph Stasch, José A. Taboada

PII: S0167-739X(16)30272-2
DOI: http://dx.doi.org/10.1016/j.future.2016.08.013
Reference: FUTURE 3135

To appear in: *Future Generation Computer Systems*

Received date: 15 February 2016
Revised date: 8 July 2016
Accepted date: 12 August 2016

Please cite this article as: M.A. Regueiro, J.R.R. Viqueira, C. Stasch, J.A. Taboada, Semantic mediation of observation datasets through Sensor Observation Services, *Future Generation Computer Systems* (2016), http://dx.doi.org/10.1016/j.future.2016.08.013

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Semantic Mediation of Observation Datasets through Sensor Observation Services

Highlights

- A semantic mediation framework for environmental observation data sources.
- Data source semantic mappings defined within the scope of SSN and SWEET ontologies.
- Global views (SOS offerings) defined by OWL restrictions in the mediator ontology.
- Query processing supported by the combination of SPARQL and SOS 1.0 interface.
- Local as view data integration approach simplifies the incorporation of new sources.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/4950531

Download Persian Version:

https://daneshyari.com/article/4950531

Daneshyari.com