



[Volume XXXIX-B2](#)

Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XXXIX-B2, 167-172, 2012
www.int-arch-photogramm-remote-sens-spatial-inf-sci.net/XXXIX-B2/167/2012/
doi: 10.5194/isprsarchives-XXXIX-B2-167-2012
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NON-SPATIAL AND GEOSPATIAL SEMANTIC QUERY OF HEALTH INFORMATION

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Keywords: Public health; ontologies; respiratory diseases; RuleML; geospatial data; semantic interoperability

Abstract. With the growing amount of health information and frequent outbreaks of diseases, the retrieval of health information is given more concern. Machine understanding of spatial information can improve the interpretation of health data semantics. Most of the current research focused on the non-spatial semantics of health data, using ontologies and rules. Utilizing the spatial component of health data can assist in the understanding of health phenomena. This research proposes a semantic health information query architecture that allows the incorporation of both non-spatial semantics and geospatial semantics in health information integration and retrieval.

[Conference Paper](#) (PDF, 1418 KB)

Citation: Gao, S., Anton, F., Mioc, D., and Boley, H.: NON-SPATIAL AND GEOSPATIAL SEMANTIC QUERY OF HEALTH INFORMATION, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XXXIX-B2, 167-172, doi:10.5194/isprsarchives-XXXIX-B2-167-2012, 2012.

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