EO Data Service

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***Abstract*—The EO Data Service enables advanced data access and retrieval capabilities to geospatial data (e.g. Landsat-8, Sentinel2, MODIS Level 2 and Level 3 Atmosphere products, ...).**

I. Introduction

This document provides a paper-style view of the Research Object (RO) "*EO Data Service*"[1] generated . The RO has been created, managed and preserved via ROHub platform [1]. Please refer to [2] for a general introduction to the RO concept, to [3] for a detailed description of the RO model, and to [4] for more information about ROHub platform.

The RO is of type *"Service-centric", which represents an aggregation of related resources where (Web) services play the central role.* [2].

Additionally, this RO has been enriched automatically with the following annotations:

- concepts (most frequently mentioned in the RO): *products, retrieval*
- domains (fields of knowledge in which the main concepts are commonly used): *building industry*
- frequent expressions (most frequently mentioned noun phrases): *retrieval capabilities to geospatial data, retrieval capability*

Acknowledgment

The Research Object was uploaded to ROHub by *Simone Mantovani*. ROHub portal development was supported by EVER-EST EU project (HORIZON 2020 grant 674907).

References

[1] The Research Object Management Platform - ROHub http://www.rohub.org/.

[2] K. Belhajjame, O. Corcho, D. Garijo, J. Zhao, P. Missier, D. Newman, R. Palma, S. Bechhofer, E. García Cuesta, J. M. Gómez-Pérez, S. Soiland-Reyes, L. Verdes-Montenegro, D. De Roure, and C. Goble "Workflow-Centric Research Objects: First Class Citizens in Scholarly Discourse", Proceedings of Workshop on the Semantic Publishing, SePublica Crete, Greece 28 May 2012.

[3] Belhajjame K., Zhao J., Garijo D., Gamble M., Hettne K., Palma R., Mina E., Corcho O., Gómez-Pérez J. M., Bechhofer S., Klyne G., Goble C. "Using a suite of ontologies for preserving workflow-centric research objects", Journal of Web Semantics: Science, Services and Agents on the World Wide Web Available online 11 February 2015 ISSN 1570-8268.

[4] Palma R., Corcho O., Gómez-Pérez J. M., Mazurek, C. "ROHub - A Digital Library of Research Objects Supporting Scientists Towards Reproducible Science". In Semantic Publishing Challenge of Proc. Extended Semantic Web Conference (ESWC) Crete, Greece 25-29 May 2014

[1] *http://sandbox.rohub.org/rodl/ROs/EO_Data_Service/*

[2] See RO types definitions at http://w3id.org/ro/earth-science#