

Land Monitoring RO

<http://emanuele79.livejournal.com/>

Abstract—This is a RO created for Land Monitoring Activities

I. INTRODUCTION

This document provides a paper-style view of the Research Object (RO) “*Land Monitoring RO*”¹, which is a *snapshot* generated from the live RO “*Land Monitoring RO*”². The ROs have 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 “*Basic*”, which represents a general aggregation of related resources.³

An overview of this RO is depicted in Figure 1. In summary, the hypothesis of this work is described in *LAND MONITORING-hypotesis.docx*⁴; Additionally, this RO has been enriched automatically with the following annotations:

- concepts (most frequently mentioned in the RO): *case, techniques, user, use, changes, information, user, analysis, sensing, Sentinel, Monitoring, LAND, communities*
- domains (fields of knowledge in which the main concepts are commonly used): *building industry, military, programming*
- frequent expressions (most frequently mentioned noun phrases): *land monitoring data, data privacy, data selection, service information, data provenance, archived data, social media information*
- named entities (most frequently mentioned):
 - Places: *Everest*



Fig. 1. Research Object Sketch

II. RESOURCES

The resources encapsulated by the RO are summarized in table I

¹<http://sandbox.rohub.org/rod/ROs/LandMonitoring-2-snapshot/>

²<http://sandbox.rohub.org/rod/ROs/LandMonitoring-2/>

³See RO types definitions at <http://w3id.org/ro/earth-science#>

⁴<http://sandbox.rohub.org/rod/ROs/LandMonitoring-2-snapshot/LAND%20MONITORING-hypotesis.docx>

TABLE I
RESEARCH OBJECT RESOURCES

| name | size | type |
|------------------------------------|----------|-------------|
| LAND MONITORING-hypotesis.docx | 439.7 KB | Hypothesis |
| Land Monitoring - conclusions.docx | 11.2 KB | Conclusions |
| Sentinel-1_User_Handbook.pdf | 3.0 MB | Document |
| imgTest.png | 24.4 KB | Sketch |

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REFERENCES

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- [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