

Change Detection Data Centric

EU SatCen

Abstract—Change Detection over Madrid

I. INTRODUCTION

This document provides a paper-style view of the Research Object (RO) “*Change Detection Data Centric*”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 “*Data-centric*”, which represents an aggregation of related resources where data resources (e.g., datasets, documents, files) play the central role.²

In summary, the hypothesis of this work is described in *MasterSentinel-1product*³, *AreaofInterest*⁴, *Polarization*⁵, *SlaveSentinel-1product*⁶; the methods used include *definition.txt*⁷; Additionally, this RO has been enriched automatically with the following annotations:

- concepts (most frequently mentioned in the RO): *Detection*
- frequent expressions (most frequently mentioned noun phrases): *Satcen 2018*, *detection over Madrid*
- named entities (most frequently mentioned):
 - Places: *Madrid*

II. RESOURCES

The resources encapsulated by the RO are summarized in table I

TABLE I
RESEARCH OBJECT RESOURCES

name	size	type
Input-Master.txt	143.0 B	File
workflow.txt	4.0 B	File
definition.txt	0.0 B	WorkflowDefinition
Copyright.txt	11.0 B	Document

¹http://sandbox.rohub.org/rodl/ROs/s1a_iw_grdh_1sdv_20170621t061751_20170621t061816_017128_01c8e4_c27d/

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

³http://sandbox.rohub.org/rodl/ROs/s1a_iw_grdh_1sdv_20170621t061751_20170621t061816_017128_01c8e4_c27d/MasterSentinel-1product

⁴http://sandbox.rohub.org/rodl/ROs/s1a_iw_grdh_1sdv_20170621t061751_20170621t061816_017128_01c8e4_c27d/AreaofInterest

⁵http://sandbox.rohub.org/rodl/ROs/s1a_iw_grdh_1sdv_20170621t061751_20170621t061816_017128_01c8e4_c27d/Polarization

⁶http://sandbox.rohub.org/rodl/ROs/s1a_iw_grdh_1sdv_20170621t061751_20170621t061816_017128_01c8e4_c27d/SlaveSentinel-1product

⁷http://sandbox.rohub.org/rodl/ROs/s1a_iw_grdh_1sdv_20170621t061751_20170621t061816_017128_01c8e4_c27d/definition.txt

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