

Coseismic Displacement Leyte (Philippine) Eq 6 July 2017

Cristiano Tolomei

Abstract—Coseismic displacement retrieved from InSAR data (Sentinel-1) of the 6 July 2017 Mw 6.5 earthquake in Leyte (Philippine). https://en.wikipedia.org/wiki/2017_Leyte_earthquake

I. INTRODUCTION

This document provides a paper-style view of the Research Object (RO) “Coseismic Displacement Leyte (Philippine) Eq 6 July 2017”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 “Research Product”, which represents an aggregation of related resources where research products (i.e., outputs), and the processes used to generate them, play the central role.² The RO was built by reusing [5]

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

- concepts (most frequently mentioned in the RO): *DEM, technique, earthquake*
- domains (fields of knowledge in which the main concepts are commonly used): *seismology*
- frequent expressions (most frequently mentioned noun phrases): *SARScape software, ground pixel resolution, wrapped pair*
- named entities (most frequently mentioned):
 - Places: *Eastern Visayas*

II. RESOURCES

The resources encapsulated by the RO are summarized in table I

TABLE I
RESEARCH OBJECT RESOURCES

name	size	type
Report_Philippine_eq.docx	12.8 KB	Document

ACKNOWLEDGMENT

The Research Object was uploaded to ROHub by *Cristiano Tolomei*. ROHub portal development was supported by EVEREST EU project (HORIZON 2020 grant 674907).

¹http://sandbox.rohub.org/rodl/ROs/coseismic_displacement_leyte_philippine_eq_6_july_2017/

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

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
- [5] URI of referenced RO https://en.wikipedia.org/wiki/2017_Leyte_earthquake