IranQuakeNov2017@IGARSS

Nikos Svigkas

Abstract*—Poster presented at IGARSS 2018 conference, "Surface Deformation and Source Modeling for the Mw 7.3 Iran Earthquake (November 12, 2017) Exploiting Sentinel-1 and Alos-2 Insar Data" by Tolomei C.,Svigkas, N., Fathian, A., Atzori, S., Pezzo G.

I. Introduction

This document provides a paper-style view of the Research Object (RO) " *IranQuakeNov2017@IGARSS*"[1] , which is a *release* generated on *31 July 2018* . 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 *"Bibliographic", which is intended mainly for the aggregation of bibliographic resources, bibliographic references, or documents (e.g., grey literature) that are a relevant to a specific topic.* [2].

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

- concepts (most frequently mentioned in the RO): *IRAN, NOVEMBER, Figure, area, DEFORMATION, result, EARTHQUAKE, displacement, fault*
- domains (fields of knowledge in which the main concepts are commonly used): *seismology, geography*
- frequent expressions (most frequently mentioned noun phrases): *surface deformation, INSAR data, coherence deformation signal*
- named entities (most frequently mentioned):
  - Places: *Iran*

Note that the RO can be cited through its DOI *10.24424/ro-id.R8AZJO4LVQ*.

II. Resources

The resources encapsulated by the RO are summarized in table I

TABLE I
Research Object Resources

name	size	type
Poster_IGARSS_2018.pdf	1.6 MB	BibliographicResource

Acknowledgment

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

[1] *http://sandbox.rohub.org/rodl/ROs/The_Iran2017_earthquake-release/*

[2] See 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