

SinkTrack

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Abstract—It reads and elaborates ASCII file produced with FM Midwater in order to calculate some statistics, mean, standard deviation of backscatter, depth, angle of net for each ping, and to produce a graph with the track of the net

Index Terms—MarGnet, net, sink velocity, water column, backscatter

I. INTRODUCTION

This document provides a paper-style view of the Research Object (RO) “SinkTrack”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 “Workflow-centric”, which represents an aggregation of related resources where scientific workflows 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): *ASCII file, net, net*
- domains (fields of knowledge in which the main concepts are commonly used): *transports, statistics*
- frequent expressions (most frequently mentioned noun phrases): *elaborate ASCII file, angle of net*

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REFERENCES

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- [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 <http://sandbox.rohub.org/rodl/ROs/sinktrack/>

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

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