Posidonia regression along Apulian coast crossferlilize land monitoring VRC

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***Abstract*—In our study case, starting from historical data of posidonia meadows distribution, we try to individuate regression area and to compare their distribution with the different human activities that can determinate change in the Land/Sea use dectecting by WPS developed by Sat Cen VRC**

***Index Terms*— apulia; Italy; posidonia oceanica; regression; meadow**

I. Introduction

This document provides a paper-style view of the Research Object (RO) "*Posidonia regression along Apulian coast crossferlilize land monitoring VRC*"[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 *"Process-centric", which represents an aggregation of related resources where the scientific method/processes play the central role.* [2]. The RO was built by reusing [5]

An overview of this RO is depicted in Figure 1. In summary, the hypothesis of this work is described in *Hypothesis.txt*[3]; the conclusions drawn are described in *Conclusion.txt*[4].Additionally, this RO has been enriched automatically with the following annotations:

- concepts (most frequently mentioned in the RO): *coast, Apulian, regression*
- domains (fields of knowledge in which the main concepts are commonly used): *botany, agriculture*
- frequent expressions (most frequently mentioned noun phrases): *oceanica meadow, regression of Posidonia oceanica meadow, Posidonia oceanica meadow*
- named entities (most frequently mentioned):
  - Places: *Posidonia*

II. Resources

The resources encapsulated by the RO are summarized in table I

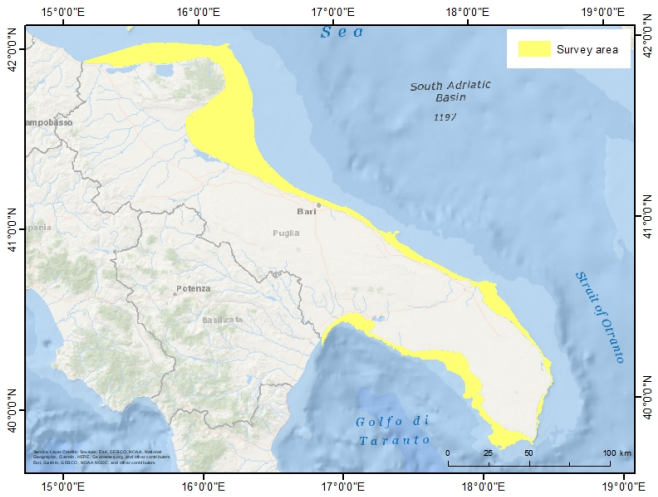

Fig. 1. Research Object Sketch

TABLE I
Research Object Resources

name	size	type
Hypothesis.txt	92.0 B	Hypothesis
Conclusion.txt	148.0 B	Conclusion
sketch_pos.jpg	274.8 KB	Sketch

[1] *http://sandbox.rohub.org/rodl/ROs/posidonia_regression_along_apulian_coast_crossferlilize_land_monitoring_VRC/*

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

[3] http://sandbox.rohub.org/rodl/ROs/posidonia_regression_along_apulian_coast_crossferlilize_land_monitoring_VRC/Hypothesis.txt

[4] http://sandbox.rohub.org/rodl/ROs/posidonia_regression_along_apulian_coast_crossferlilize_land_monitoring_VRC/Conclusion.txt

ACKNOWLEDGMENT

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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 http://sandbox.rohub.org/rodl/ROs/posidonia$_{r}egression_{a}long_{a}pulian_{c}oast/$