

Interactive comment on “A multi-service data management platform for scientific oceanographic products” by Alessandro D’Anca et al.

Anonymous Referee #1

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The paper describes the data management platform developed by the TESSA project to provide a near real-time access to oceanographic data that enable their usage on Situational Sea Awareness services.

The presented solution adopted already existing systems, IT solutions and standards creating an innovative system that allows offering a wide set of services/features to the users in an integrated environment enabling a new way to make science.

Below some comments:

1) Nowadays, each data management system should demonstrate how it satisfies the FAIR Guiding Principles for scientific data management. The following paper is considered as a sort of reference for these principles: <http://www.nature.com/articles/sdata201618>. It would be an added value for the pa-

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per describing how the TESSA platform respects the guidelines described there.

2) In the introduction, authors refer to three standards: ISO 19115, ISO 19139, INSPIRE. In the rest of the paper is described how ISO 19115 is used but it is not clear how the other two standards have been implemented.

3) There are no references for these three standards in the introduction although they are listed in the reference list at the end (unless INSPIRE).

4) There is no related work sections. Maybe something could be added in the introduction.

5) The paragraph in pag. 3, lines 25-29 should be splitted in 2 paragraphs, it is not easy to read: "In particular, the THREDDS includes the WMS - Web Map Service (wms, 2006), for the dynamic generation of maps starting from geographically referenced data, the direct downloading using the HTTP protocol, and the OPeNDAP (ope) service, which is a framework that aims to simplify the sharing of scientific information on the web by making available local data from remote connections, providing also variables selection and spatial and temporal subsetting capabilities."

6) Reference list should be enriched.

7) Typo – Pag 1, line 20: "which is is strategically" to "which is strategically"

8) Typo – Pag 3, line 23: "a set of services that allow" to "a set of services that allows"

9) Typo – Pag. 9, line 11: "a strategy of intervention (namely" to "a strategy of intervention, namely"

10) Typo: Pag. 9, line 11 and 19: "Witoil" to "WITOIL"

11) Typo: Pag. 9, line 19: "files of Temperature, Currents and Wind at. . ." to "files of temperature, currents and wind at. . ."

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