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Interactive comment on "Data interoperability software solution for emergency reaction in the Europe Union" *by* R. Casado et al.

Anonymous Referee #1

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GENERAL COMMENTS

The paper addresses some very relevant issues related to the coordination in emergency situations. It presents a technical solution to improve interoperability between different emergency management systems. This is a very important issue in scenarios like the European Union, composed by many countries, with different cultures, languages and information systems that in the event of an emergency hinder an effective collaboration

The solution includes an ontology to describe all common concepts related to emergency as well as a technical architecture and an implementation on top of the ontology.

SPECIFIC COMMENTS

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Interactive Discussion

Discussion Paper

The solution presented in the paper is well described, however, there are some points that would improve its understanding:

- After reading the scenario used for the validation, it seems that information flow in an operational usage scenario is unidirectional: Once configured the system, it allows the stakeholders to view all information, but not take actions (these have to be taken using the local EMSs). This is probably a work in progress, but it should be discussed at the end

- A top level graphical view of the different components of the ontology may facilitate its understanding.

- Similarly, a top level of the technical architecture (by detailing the information presented at Fig. 1) would be very useful.

- Information in Section 5.3 from page 6022 (line 10) to Section 6 title should be placed in section 5.3

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 2, 6003, 2014.