Reviewer's report

Title: AGUIA: Autonomous Graphical User Interface Assembly for Clinical Trials Semantic Data Services

Version: 3 Date: 23 September 2010

Reviewer: Ronald Cornet

Reviewer's report:

The structure of the document has improved since the last revision. Still there are some issues which should be addressed.

The background starts with the product (i.e., result) described in this paper. That's awkward. The first sentence of the background should be removed, the last sentence would better be phrased as requirements for the product.

The methods section contains "materials" and "methods". Please distinguish those.

e.g., "DHTML, REST, RDF" can be considered as methods, but S3DB is material.

Methods currently doesn't seem to cover the methods for testing/evaluation. Please add.

Make sure that everything is in the right section:

"The performance of the prototype can be seen in a video in the supplementary material" This is mentioned in the methods, but should be moved to results or rather discussion.

What would be good to add is a description of related work, e.g., orbeon forms (http://www.orbeon.com/). This would help readers to determine the added value of the approach described in this manuscript.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

'I declare that I have no competing interests