AGGREGATING EDUCATIONAL DATA FOR PATIENT EMPOWERMENT

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Introduction
The aim of the proposed educational resource aggregator is to harvest educational resources from 3rd party repositories, present these to the medical expert for annotation and rating, and output the results of the annotation to a public RDF (Resource Description Framework) repository. The purpose is to provide personalized high quality educational material for patients.

Finally, Resource Metadata Processing involves metadata enrichment via semantic web sources and mappings of a public RDF schema so that the collected data to be exported as sharable knowledge through the LOD (Linked Open Data) cloud.

Results
The current status of collected data shows interesting variations between authoritative databases versus crowd sourced that confirm fair reliability of Wikipedia articles while more data is required for making strong point. All data is public at the CARRE Endpoint [3].

Figure 2. Hybrid Application [4]

Discussion
Future work will compare the user rated results with that of the search-engine based ones and provide an approximation model for automatic aggregation.

References
4. Educational Aggregator: http://edu.carre-project.eu

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Keywords
Educational resources, semantic annotation, RDF repository