

Proposal Evaluation Form



EUROPEAN COMMISSION

Horizon 2020 - Research and Innovation Framework Programme

Evaluation Summary Report - Research and innovation actions/Innovation actions

Call: H2020-ICT-2014-1
Funding scheme: Innovation action
Proposal number: 644969
Proposal acronym: QROWD
Duration (months): 30
Proposal title: Quality Repair for Open Web Data
Activity: 2014.ICT15.a BigOpenData IA

| N. | Proposer name | Country | Total Cost | % | Grant Requested | % |
|--------|---|---------|------------|--------|-----------------|--------|
| 1 | SEMANTIC WEB COMPANY GMBH | AT | 707,966 | 19.50% | 495,576 | 19.01% |
| 2 | BROX IT-SOLUTIONS GMBH | DE | 586,710 | 16.16% | 410,397 | 15.75% |
| 3 | ONTOS AG | CH | 497,185 | 13.70% | 0 | 0.00% |
| 4 | PARTNERSCHAFT FUR ERNEUERBARE ENERGIE UND ENERGIEEFFIZIENZ REEEP VEREIN | AT | 372,810 | 10.27% | 372,810 | 14.30% |
| 5 | UNISTER GMBH | DE | 460,395 | 12.68% | 322,277 | 12.36% |
| 6 | INSTITUT FUR ANGEWANDTE INFORMATIK EV | DE | 475,220 | 13.09% | 475,220 | 18.23% |
| 7 | UNIVERSITY OF SOUTHAMPTON | UK | 530,100 | 14.60% | 530,100 | 20.34% |
| Total: | | | 3,630,386 | | 2,606,380 | |

Abstract:

The aim of the proposal is to realize two business scenarios (combining four business interest partners) along the data value chain. Each of them addresses aspects of Linked (Open) Data management, which are challenged by the fact that Linked Data sets, open or corporate, for whatever reasons (technology, costs of human labor etc) are very noisy. In the project we will develop and provide a library of services that bring together human and computational intelligence to identify and solve quality issues along the Linked Data Life Cycle. These services will be added to data management solutions available at Brox, SWC and Ontos and further customized and evaluated those two business scenarios. The result will be a set of technologies for quality mechanisms, covering the full data value chain for Linked Data which is needed in various sectors. New and/or optimised products and services along the data value chain - either for the ICT vendors as well as for the business partners are the final outcome of QROWD.

Evaluation Summary Report

Evaluation Result

Total score: 8.50 (Threshold: 10.00)

Form information

SCORING

Scores must be in the range 0-5.

Interpretation of the score:

- 0-** The proposal fails to address the criterion or cannot be assessed due to missing or incomplete information.
- 1- Poor.** The criterion is inadequately addressed, or there are serious inherent weaknesses.
- 2- Fair.** The proposal broadly addresses the criterion, but there are significant weaknesses.
- 3- Good.** The proposal addresses the criterion well, but a number of shortcomings are present.
- 4- Very good.** The proposal addresses the criterion very well, but a small number of shortcomings are present.
- 5- Excellent.** The proposal successfully addresses all relevant aspects of the criterion. Any shortcomings are minor.

Criterion 1 - Excellence

Score: **3.00** (Threshold: 3.00/5.00 , Weight: 100.00%)

Note: The following aspects will be taken into account, to the extent that the proposed work corresponds to the topic description in the work programme. If a proposal is partly out of scope, this must be reflected in the scoring, and explained in the comments.

Clarity and pertinence of the objectives

Credibility of the proposed approach

Soundness of the concept, including trans-disciplinary considerations, where relevant

Extent that proposed work is ambitious, has innovation potential, and is beyond the state of the art (e.g. ground-breaking objectives, novel concepts and approaches)

The main objectives of the proposal are clearly described and consist in incorporating data curation into the standard data management life

cycle as a core support activity and developing a set of quality assessment and repair services for linked and open data that are applicable to any data curation scenario.

The presented business cases are rather use cases of the crowd sourcing platform demonstrating its capabilities and are not driven by real business needs. The description of the business cases does not clarify several aspects. For example the energy use case implies only the use of the open clean data but not the use of the platform itself. It is not clear how does this business case use the crowd capabilities of the platform, what concrete datasets are used and what quality issues they have, how the datasets are accessible, what is their size and complexity. The eCommerce use case does not convincingly explain the importance of semantically annotating the data and the level of required semantic expressivity. Those aspects harm the credibility and the soundness of the proposal.

While based on well-established crowd-sourcing methodologies and standardized tools (LIMES, OntoQUAD, Reegle Tagging API, Linked Data Stack), the planned to be developed crowd-sourcing standalone tools include considerable Research and Development effort. Furthermore, it is not clearly explained in the proposal what incentives will be used to encourage people to join the crowd activities implied here.

The state of the art is clearly explained. The advances beyond the state of the art exclusively come from the innovative integration of existing solutions and are limited to the Linked Data Community.

Criterion 2 - Impact

Score: **3.00** (Threshold: 3.00/5.00 , Weight: 100.00%)

Note: The following aspects will be taken into account, to the extent to which the outputs of the project should contribute at the European and/or International level:

The expected impacts listed in the work programme under the relevant topic

Enhancing innovation capacity and integration of new knowledge

Strengthening the competitiveness and growth of companies by developing innovations meeting the needs of European and global markets, and where relevant, by delivering such innovations to the markets

Any other environmental and socially important impacts

Effectiveness of the proposed measures to exploit and disseminate the project results (including management of IPR), to communicate the project, and to manage research data where relevant

The potential impact of this proposal is partially in line with the expected impact listed in the work programme. It mainly targets the improvement of the existing open (linked) data stack. The lack of business cases that are necessary to bootstrap the adoption of the proposed platform inhibits the impact.

The proposal offers a substantial qualitative enhancement of the current linked data supply chains that may generate sizable savings to the data management offices if they adopt them. The provided standalone and open-source data quality assessment and repair tools integrated with several standard linked data management tools have the potential to become part of a robust and growing ecosystem by providing a new crucially important capability for the commercial and industrial usability of linked open data and linked open data supply chains. However, no clear plans for building this ecosystem are given.

No direct social or environmental impacts are described.

The cross-lingual aspects of the proposal are mentioned but are limited to the meta-data level. Cross-sector and cross-border characteristics of the proposed approach are not clearly described.

The exploitation plans and the monetization strategy are described but are not convincing. It is not clear how the potential users will be reached out in domains that each partner represents. The dissemination plan includes the standard participation at conferences, organization of events, marketing materials.

The IPR management is adequately addressed in the proposal, and the open source tools developed during the project will remain publicly available for re-use.

Criterion 3 - Quality and efficiency of the implementation

Score: **2.50** (Threshold: 3.00/5.00 , Weight: 100.00%)

Note: The following aspects will be taken into account:

Coherence and effectiveness of the work plan, including appropriateness of the allocation of tasks and resources

Complementarity of the participants within the consortium (when relevant)

Appropriateness of the management structures and procedures, including risk and innovation management

The implementation plan describes phases however it is not clear whether the project will use iterative development approach developing the platform in iterations and gaining feedbacks for further platform enhancements. The quality of the platform may be affected by this. The implementation plan provides a good description of WPs and tasks however does not give details on the content of deliverables. It is not clear how the tasks are related to each other by inputs and outputs.

The management structures are not convincing. For example there are no details about the advisory board in the organization structure.

The risks table does not include assessment of the degree of the risk, the outlined technological risks encompass the entire development of the technology. Furthermore, the risk related to the possibility that the "business opportunities become outdated" contradicts to overall motivation for the project.

The consortium is complementary, well balanced and has the necessary skills to implement this proposal.

The allocated effort matches the complexity of the tasks and the project plan.

Operational Capacity

Status: **Operational Capacity: Yes**

Not provided

Proposal content corresponds, wholly or in part, to the topic description against which it is submitted, in the relevant work programme part

Status: **Yes**

Not provided

Overall comments

This proposal failed to reach the threshold on criterion 3 and on the overall score.