Crowdsourcing opportunities for research information systems

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Research organisations

Entities in the system
• Organisations
• Researchers
• Publications

Publishers
Data examination in the system

Research organisations

 Publishers

Entities in the system
- Organisations
- Researchers
- Publications
Organisations correct the data

Representatives edit:
- abstracts, keywords
- issue details, article title
- affiliation
- authorship
- list of citations
- classifiers
- link to the full text

As well as add metadata of missing publications
CEMI RAS citation counts in 2015

<table>
<thead>
<tr>
<th>Year</th>
<th>Citations</th>
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<tbody>
<tr>
<td>2015</td>
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<td>2006</td>
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</tbody>
</table>
Suggestions from CEMI experience

• Manual moderation creates problems
• 7575 new citation links were established for CEMI RAS
• Metadata of 774 publications were corrected
• About 10% of users are interested in manual profile examination
Crowdsourcing opportunity

1 - publication database
2 - analyzer
3 - list of tasks
4 - claims interface
5 - task allocator
Number of tasks to do

Number of revealed citations

Number of claimed citations

111 examinations per claim
Crowdsourcing opportunity

1 - publication database
2 - analyzer
3 - list of tasks
4 - claims interface
5 - task allocator
External motivation

1 - publication database
2 - analyzer
3 - list of tasks
4 - claims interface
5 - task allocator
6 - scoring system
Conclusion

• Mechanism is feasible
• External motivation is needed
• Business interests are not disturbed
• 4000 active users could examine 217 mln of citations and 22 mln of publications in less than 6 months