

Making data and software citation easy: The Semantic Web journal's approach

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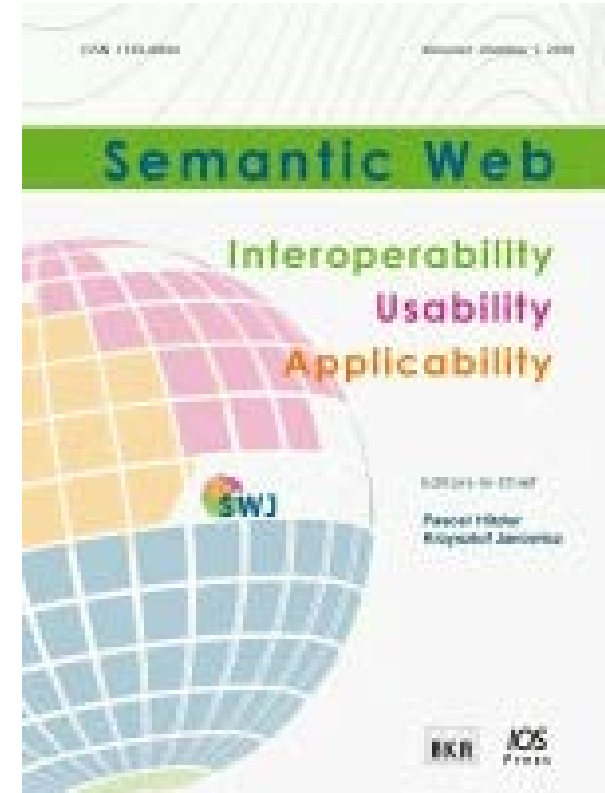


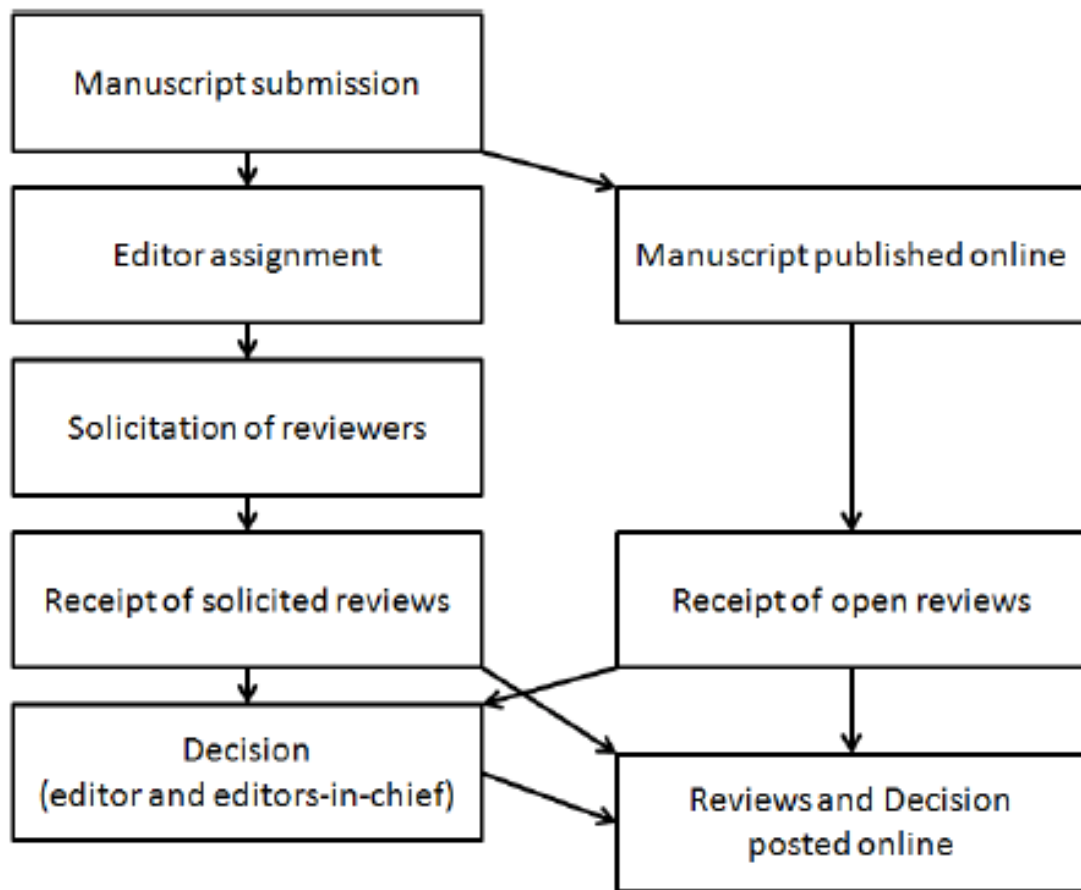
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- **EiCs:** Pascal Hitzler
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- **Established 2010. Going Strong.**
- **We very much welcome contributions at the “rim” of traditional Semantic Web research – e.g., work which is strongly inspired by a different field.**
- **Non-standard (open & transparent) review process.**
- **<http://www.semantic-web-journal.net/>**





- all submitted papers immediately posted online
- non-anonymous reviews (anonymity can be requested)
- all reviews publicly posted
- solicited and open reviewers (open must be non-anonymous)
- reviewers and editors by name acknowledged on the final paper

Figure 1: The Semantic Web journal's review process.

- The SWJ has specific paper types for these:
 - Dataset Descriptions
 - Ontology Descriptions
 - Tools and Systems Papers
- We consider them “research enablers”.
- Key review criterion is “high (demonstrated or potential) impact”
- Approach makes data/software citeable *in the form of regular paper citations*.
- Advantage:
 - no technological or social change needed. Works with current practice, easy to adopt.
- Disadvantage:
 - It’s a baby-step only.

- **Everybody** can contribute by raising awareness and by following good practice re data/software distribution whenever possible.
- **Journals** can have significant influence if they are important journals, but some may have to tread carefully to keep their rankings, and EiCs of top journals are overworked anyway.
- The incentive for **publishing houses** is not yet clear, and may not materialize.
- **Funding agencies** could make a real difference by developing and demanding significant structural changes (see open access in the life sciences).
- The potential **of libraries and institutional repositories** to create meaningful change in this area is currently very underestimated.

- Krzysztof Janowicz, Pascal Hitzler, Open and transparent: the review process of the Semantic Web journal. *Learned Publishing* 25 (1), 48-55, 2012.
- Pascal Hitzler, Krzysztof Janowicz, *What's Wrong with Linked Data?* <http://blog.semantic-web.at/2012/08/09/whats-wrong-with-linked-data/> , August 2012.
- Pascal Hitzler, Krzysztof Janowicz, Semantic Web Tools and Systems. *Semantic Web* 2 (1), 1-2, 2011.
- Pascal Hitzler, Krzysztof Janowicz, Linked Data, Big Data, and the 4th Paradigm. *Semantic Web* 4 (3), 2013, 233-235.