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Breakout group 1. The future of scholarly communication: Enhanced Publications

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Summary

The number of digital scholarly objects on the internet is growing rapidly. To keep scholarly publishing efficient, and to keep control over published materials, we need an integration of all components that make up the scientific information (for instance, article and supplementary materials). One way to integrate scientific information are Enhanced Publications (EP). A publication can be enhanced with (i) evidence of the research (like data sets), (ii) illustrations or clarifications (like multimedia materials) and (iii) post-publication data (like blogs, commentaries, ranking). An EP gives explicit links between the related objects, in order to directly show and support the relations between the objects. This link pattern of EPs will help to structure the environment of scholarly publishing, and should therefore make scholarly publishing much more efficient.

After a brief introduction, we will discuss the following issues:

- Are EPs the best way to solve the problems described? Are there alternatives?
- What should be the added value of an EP?
- How can an EP be created? And by whom?
- What are the boundaries of an EP? Can an EP develop in time? If so, we need a model that will be able to continually add related objects, also in a later stage.
- How can credits (citations/roles) be organized and (parts of) an enhanced publications be cited?
- How can EPs be preserved?
- The role of structural metadata schemes and ontologies which can express the way the object is structured and how it relates to its (descriptive) metadata:

If we use OAI-ORE, how can we improve resource map discovery?

What can POWDER do in the context of EP?

Participants are encouraged to suggest additional subjects for discussion.

In the breakout session we will try to find solutions to some of the above challenges by brain-storming in smaller groups.

Literature:

DRIVER II reports

- <http://www.driver-repository.eu/Enhanced-Publications.html>
- Enhanced Publications: state-of-the-art
- Enhanced Publications: Object Models and Functionalities
- <http://www.driver-repository.be/media/docs/D43.pdf>
- Technology watch

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