

RE: Submission Paper- Open Data on the Web Conference, 23, 24 April 2013, London

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Title: Open Linked Education

The education industry is quickly evolving thanks to maturing technologies and the ubiquity of mobile devices. Open Education Resources, Massive Online Open Courses, and cloud services are changing not only the way we deliver educational resources, it also challenges some of our fundamental pedagogical assumptions.

As Education re-directs its focus to digital products, programs, and services, the shift from traditional print is a significant one. Publishers must now deliver information via internet protocols and must quickly come to grips with the screen as the main point of entry for educational resources.

Pearson plans to chair an Open Linked Education Community Group which will launch at the Open Data on the Web conference in London. Metadata is essential in participating with the global knowledge network and with the belief that our semantic collective is far more powerful than any individual or single organization's effort, this group hopes to provide a means to share education-ready vocabularies.

In this session, we'll explore how a curated "Subject" vocabulary might be leveraged as a community service to the education sector. Working from John Seely Brown and John Hagel's theory in *The Power of Pull*, we hope to explore "how a small move, smartly done, can set big things in motion" for education.

We will also explore anticipated challenges: educational standards such as the Learning Resource Metadata Initiative have elements that ask for the "aboutness" of a resource. How shall this be populated? How can a subset of DBpedia reference the BIC/BISAC subject codes or the Library of Congress subject codes?

To provide context, we will introduce the evolving education landscape:

- Knowledge aggregation to knowledge flows
- Knowledge capture to dynamic creation
- Explicit to Tacit learning
- Transactions to Relationships
- Content to Context

We'll share the initial goals of the Open Linked Education Community Group:

- Build a Subject database from a curated subset of Wikipedia (DBpedia) that can be used by institutions and instructors to tag their educational resources.
- Create a website presence with API's for reconciling with Google Refine. Provide tutorials on how instructors, teachers, and institutions can use Google Refine to access the datasets
- Build relations and bridges to at least 3 existing open linked datasets
- Provide SPARQL endpoints for the data