

What Happens after the Scholarly Data Revolution and “Big Data”? Opportunities and Challenges in Knowledge Structures and New Forms of Scholarly Communications

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Over the past decade we have seen the emergence and recognition of data, and the exploitation and reuse of “big data”, as an integral part of the scholarly record and the ongoing progress of scholarship. Many challenges remain, including stewardship and preservation, and the interdisciplinary integration, sharing and reuse of data over time, as well as the complex interrelationships between data and software. But it is time to begin thinking seriously about a world beyond these challenges, and what this means to scholarly communications, knowledge and data stewardship and curation, and interdisciplinary or multidisciplinary inquiry. In this talk, I will sketch several promising visions of the future (building upon developments already taking place) and explore some of the challenges we are likely to encounter along the way.