

The web gets social

AFRICA AI ALGORITHMS ARCHITECTURE ATTENTION
BAYESIAN BIOINFORMATICS BIOLOGY BLOG BOOK
CHANGE CLASSIFICATION CLUSTERING COGNITION
COLLABORATION COMMUNICATION COMMUNITY
CONTEXT CONTROL CSCW CULTURE DATA DESIGN
DEVELOPMENT DISTRIBUTED DOPAMINE ECOLOGY
ECONOMICS EDUCATION EMOTION EVOLUTION FMRI
GENDER GENETICS GOOGLE ...



TODD DAVIDSON/CORBIS

ADVANTAGES OF SHARING OUTWEIGH DRAWBACKS.

such as author names, and displays this.

Taking sharing further, users tag papers with whatever they feel best describes the article, for example, 'cold plastic deformation' or 'residual stress'. As more users use such services, they begin to discover that the clicking on the tag 'cold plastic deformation' now brings up papers not only just posted by you but by others.

In this way communities and resource discovery develops. But as with ArXiv, eBay, or any service that depends on user input, the more use it, the more valuable it becomes. Intense competition means, however, that researchers are often loathe to use such tools. They don't want competitors to see what they are reading. Yet the value of greater sharing is obvious. In particular in cutting across disciplinary boundaries. Sharing nurtures serendipity.

RSS is also much more than just an alerting service. Its real power kicks in when it is considered in the context of social software such as blogs and social bookmarking services. RSS allows you to find information. Blogs and tools such as Connotea and Cite-U-Like allow you to store information, and more importantly to share it with others in new ways. RSS then comes full circle, allowing you again to keep abreast of changes made by others to blogs or Connotea tags you are keeping an eye on. It's a sort of collaborative glue, like that Berners-Lee first had in mind.

There are also some 10 million blogs, but hard-core science blogs make up only a handful. Yet blogs, whether individual, or by groups of scientists in a field, are an ideal means to draw attention to, and comment on, the latest research, whether for colleagues or the public. Scientists should not shirk from stepping outside the formal publishing system. Blogs are not some sort of lower life form. They are a valuable adjunct to formal papers, and an efficient filter in the big picture of current awareness, based on selection by experts.

ArXiv is a leader in electronic publishing. It may soon spur greater blogging. It intends to link automatically to blogs discussing a particular paper, which would be displayed on ArXiv as 'external links discussing this article'. Paul Ginsparg, its founder, says he hopes the new service will promote 'coffee shop' discussion of articles, and greater visibility of physical science blogs. Researchers should be leading the use of innovative tools, instead of lagging behind. Sharing involves surrendering some privacy, and a risk of free riders. But if many participate the advantages far outweigh these drawbacks.

WEBSITES

ArXiv: <http://arxiv.org>
Cite-U-Like: <http://www.citeulike.org>
Connotea: <http://www.connotea.org>
Del.icio.us: <http://del.icio.us>
Flickr: <http://www.flickr.com>
LHC grid: <http://lcg.web.cern.ch/LCG/>
RSS example: http://www.nature.com/npg/servlet/Content?data=xml/02_newsfeed.xml&style=xml