Reputation: new ways of building, showcasing and measuring scholarly reputation in the digital age







The main currency for the scholar is not power, as it is for the politician, or wealth, as it is for the businessman, but reputation (Becher, 1989).

Reputation matters and digital world offers many opportunities in this respect especially in regard to the visibility proffered and it is your peers who provide the judgement.

So, inevitably this is the subject of emerging socio-technical systems and they are making considerable headway, arguably, transforming the scholarly world as we shall learn.

And they are very much a disruptive force for publishers...as you probably are aware and not just in regard to reputation.

Could not be a more important scholarly topic



Traditionally been *very* narrowly defined and measured

- and all.
- If anything, practice becoming more endemic in the competitive, global digital up and 'converts' tend to be the strongest believers.
- (in high impact factor journals) or perish'.
- we think that we can solve it all by focussing on (research) impact!

• Built mainly around one scholarly activity (research), one output of that activity (publication in high-impact factor, peer reviewed papers) and on one measurement of that output (citations). A once bibliographic tool defines scholarly reputation, world-wide. Warts

environment in which scholars find themselves. Chinese, Malays, Russians etc. playing catch-

• Appointments made on H index scores, conveniently served-up by Google Scholar Citations to individual, the wider-community and potential employer. It is a case of 'publish'

• Tail wags the dog. Such a narrow view of reputation suits publishers, the purveyors of papers, but marginalises the other scholarly activities and skews scholarship and academia. Not surprisingly (poor) teaching quality (and universities) are such a big issue in Europe. And



Open science: the harbinger of change?

- Open Science 2.0 disruptive, collaborative/sharing technologies (e.g. open access, open data, open lab notebooks citizen science) gives rise to new ways of scholarly working, dissemination, measurement and ushers in new 'actors'.
- Scientific reputation in the new digital age therefore needs to fall in line:
 - scientific excellence through high-impact publications, but also covers other key collaboration and outreach.
 - (e.g. free-lance scientists), or "new actors", such as citizen scientists. We are all future tied up with this.
 - Take account of and give full recognition for new formats for conducting, publishing, collaborating, sharing and disseminating scholarship – blogs, social media, online communities, MOOCs.

• Need a more inclusive definition of scholarly activities that not only emphasises activities and their reputation building aspects - *teaching, mentoring, peer-reviewing,*

Include "new profiles" of scholars with non-traditional academic backgrounds

researchers now, thanks to the big fat, open, interactive information pipe. EU's economic

Takes us to emerging reputation mechanisms and the EC project

- With new forms of working and new actors, evaluating and measuring scientific reputation becomes a new challenge.
- In (5 years ago!) comes novel social networking services and tools, used by scholars to support and enhance their everyday work (searching/reading), but also to build/maintain their reputation.
- It follows that the EC, a major proponent of all things open, commissioned 6 month study of emerging reputational mechanisms/platforms and its stakeholders to see what's happening.
- Stages:
 - a. Audit of scholarly activities and production of new conceptual framework;
 - b. Evaluation of existing reputation platforms/mechanisms;
 - c. User studies (European-wide questionnaire and interviews);
 - d. Expert workshop with policy recommendations



Audit of scholarly activities with reputation conferring potential (50+)

The scholarship of research	Discovery. Pursuit of knowledge for its own sake and the benefit of humankind.	Nearly half of all activities	E.g. producing research outputs, obtaining funding (' <i>get grants or</i> <i>perish</i> '), dissemination, sharing and peer reviewing
The scholarship of integration	The arraying of extant knowledge, often within a wider, cross- disciplinary context	A fifth of all activities	E.g. literature reviews, textbooks, collaborative, inter- or multi- disciplinary projects
The scholarship of application	The application of disciplinary knowledge and skill to societal/ practical problems	A fifth of all activities	E.g. consultancy and popularizing science
The scholarship of teaching	The conveying of the human store of knowledge to new generations	Less than a fifth of activities	E.g. PhD supervision and conductin a social networks based, participatory MOOC
The scholarship of co-creation	Participating in scholarly research with the public	About a tenth of activities	E.g. Citizen Science projects



- 25 platforms, which together supported 50% of scholarly activities, but heavily skewed towards research. None cover the whole gamut of activities. Examples: ResearchGate, Academia.edu, Impactstory, Kudos
- Activities supported include:
 - **16** research (over-abundance of activities related to releasing and disseminating research outputs)
 - **3** teaching
 - **2** application
 - **1** integration
 - **0** co-creation

Come a long way from Google Scholar Citations. Platforms barely 5 years old, with more than 50 million scholarly users and growing very fast.

Audit of emerging reputation platforms

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User study: scholarly activities that contribute towards reputation

- Confirmation that research contributes most, with 95% of scholars rating them a very important/ important. Conducting research, disseminating research results v journal articles/books and collaboration ge highest ratings.
- Disseminating research via blogging/tweeting least important of 18 activities (24% important/very important Could be a reputational risk.
- Another activity regarded lowly, but not a lowly as blogging, is management/administration, with 25% saying important/very important.
- Employers rate social networking and blogging lower than scholars. Biggest difference is regarding management, wh is considered much more important by employers.

S	Activity	F
as via et	Conducting research	
	Disseminating research results via journal articles/books	
	Collaborating in research	
	Disseminating research results via conferences	
	Peer reviewing	
8 :).	Taking part in inter- or multi-disciplinary projects	
S	Serving one's community through activities such as editorship, society posts	
	Production of literature reviews and textbooks	
%	Conducting application-oriented research	
	Teaching	
	Consultancy for industry and government	
	Popularisation of scholarship	
hich	Designing courses and programmes	
	Production of open educational resources	
	Conducting research with lay participants	
	Disseminating research via social networking	
	Administration and management	
	Disseminating research via blogging/tweeting	

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Benefits of reputation platforms for the academic community

a) build a dynamic *digital identity* you can control; b) build a reputation *more quickly*;

c) calibrate and *benchmark* your reputation; d) provide greater opportunities for *collaboration*;

- e) get ongoing peer *feedback*;
- f) attract the *attention* of colleagues to your research/publications; g) make research and its impact more *visible* to a larger and wider audience; i) more efficient *access* to research (no passwords/costs);

h) better understanding of who are the most valuable *contacts* in their specialism;

j) be *spotted* by editorial teams, scientific authorities for jobs, conference organisers.

Negatives

- on research, but also on education for all.
- important.
- credibility/quality control?
- in.
- scholarly authorities and institutions are going to employ them seriously.
- Reputational systems become too powerful, as citation-based ones are.
- reputational system that shows them up best.

• Skewed towards research. Platforms reflect institutional reality. Runs counter to today's changing societal priorities, which see the future of the knowledge society as depending not only

• **Teaching**. Much neglected and little excuse for this given EC initiatives, which see research and teaching not only as mutually dependent and reciprocally reinforcing, but also as equally

• Palpable mistrust of social media, the crowd and the open and what it can deliver in the way of reliable metrics and this stops scholars using emerging platforms. Hippy science! What of

• Very little in the way of institutional support. Usage of platforms very much left to the initiative and skills of the individual scholar. Could be changing with attempts at institutional buy-

• **Transparency.** An issue. Gaming. Needs to be a quality assessment of reputational systems if

• **Tower of Babel.** Confusing multiplicity of ways of providing recognition for scholarly work. Vie with each other to establish their own reputation. Balkanisation' of reputation: scholars pick the



- In every subject and country studied there are scholars using the emerging reputational platforms.
- While scholars do not currently see emerging platforms as being central tools for management of their academic reputation, do see a future potential and cautiously dipping toes in the new waters.
- Scholar!).
- Significantly, it is young researchers, 'the new wave' who have the **most** encompassing view of reputation. Also enables them to fast track their careers big pressure on ECRs.
- wake-up to the new reputation paradigm. Might even loose their warehouse function. awakening and so far the universes have not collided. Just a matter of time and an
- Publishers benefit, of course, from traditional reputation, but possibly have been slow to • Case of parallel universes: impact factors have never been so important but a giant is internet year is just 7 weeks.

• Even naysayers felt reputational platforms are the future (heard that about Google

- But a combination of factors will ring the changes:
 - a) the unevenness and unfairness of the existing system;
 - b) digital inevitability. RG 800,000 (2008); 8,000,000 (2015);
 - my teaching);
 - d) convenience of access and availability of information;
 - e) policy directives from the EC, governments and funders.

 Consensus view of workshop was that the platforms will spark changes, but marginally and incrementally. This because there are big obstacles to change, notably it is a conservative, massive, global system that has to be changed.

• c) increasing consumer (student/parent/employer) pressure to change lobby (you can find all you need about my research reputation or lack of it but nothing about

For the full reports and PowerPoint see: http://ciber-

research.eu/CIBER projects.html And papers see:

- Jamali, H. R., Nicholas, D., & Herman, E. 2016. Scholarly reputation in the digital age and the role of emerging platforms and mechanisms, *Research Evaluation*, accepted in press. doi: 10.1093/reseval/rvv032
- Nicholas, D.; Herman, E.; Jamali, H. R.; Bravo, B. R.; Boukacem-Zeghmouri, C.; Dobrowolski, T., and Pouchot, S. 2015. New ways of building, showcasing, and measuring scholarly reputation, *Learned Publishing*, 28 (3), 169-183
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More information

