Hey, Tony, "Open Access, Open Data, Open Science"

Open Access, Open Data, Open Science

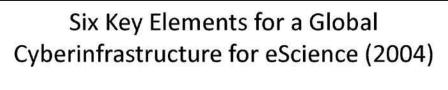
Tony Hey Microsoft Research

Open Access and Repositories

- As Dean of Engineering at Southampton I was 'responsible' for monitoring the research output of over 200 Faculty and 500 Post Docs and Grad Students
 - The University library could not afford to subscribe to all the journals that my staff published in, not to mention conference proceedings and workshop contributions, so we insisted on keeping a digital copy of all output in a University Repository ...
- 'Green Open Access' or 'Self-Archiving' has authors making peer-reviewed final drafts of their articles accessible by depositing them in their Institution's OA Repository upon acceptance for publication
 - Note that individual papers can be set to be immediately visible outside the institution or set to 'delayed open access' as in PubMedCentral. Web copies of non-journal versions are allowed by most publishers ...

	37	Some I								
		Electron	ic Thes	es and I	Disserta	tions				
logs reveal about accesses to VT ETDs. (Fisc										and the second second
	1997/98	1998/99	1999/00	2000/01	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07
Successful requests	441,480	976,587	1,436,279	2,725,773	6,759,779	9,455,258	13,627,721	23,327,315	27,199,853	24,934,678
Requests for PDF files (mostly full ETDs)	221,679	481,038	578,152	2,173,420	4,497,199	7,320,818	10,697,468	17,461,678	21,113,555	18,580,199
Requests for HTML files (mostly tables of contents and abstracts)	165,710	215,539	260,699	400,149	471,917	367,767	410,988	517,684	555,518	547,237
Requests for Multimedia	1,714	4,468	12,633	44,237	169,186	121,251	54,584	87,911	88,996	123,648
Distinct files requested	6,419	21,451	16,409		50,982	31,884	43,280	53,606	112,260	135,874
Distinct hosts served	29,816	57,901	87,804		425,475	680,771	985,146	1,594,913	18,92,653	1,530,570
Average data transferred daily	156,089 Kb	219,132 Kb	382 Mb	945 Mb	2.15 Gb	3.49 Gb	5.641 Gb	27.85 Gb	38.18 Gb	38.46 Gb
Data transferred	55,637 Mb	78,107 Mb	137 Gb	332 Gb	780 Gb	1 2 Tb	2.06 Tb	9.93 Tb	13 97 Tb	13 71 Ть
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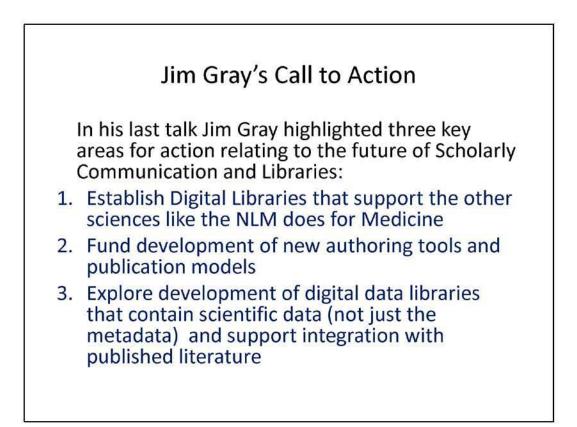
	1	-							
1	Harvard								
2	MIT	Southampton # 21							
3	UNAM								
5	UC Madrid	VirginiaTech # 37							
6	Munich								
7	Stanford	– Cambridge # 97							
8	U Queensland	Oxford # 115							
9	Kyoto								
10	Masaryk								
11	Toronto								
12	Michigan	Clearly not a 'perfect' metric -							
13	UPC Barcelona	but aqually clearly this must measure							
14	Texas A&M	 but equally clearly, this must measure 							
15	ETH Zurich	something of relevance for the							
16	Nebraska								
17	Groningen	research reputation of a university							
18	Vienna								
19	синк								
20		Institutional Research Repository							
21	Southampton	 A second state and a second sec							
22	Cornell	must be part of the university's							
23									
24		'Reputation Management' strateg							
25	Murcia								

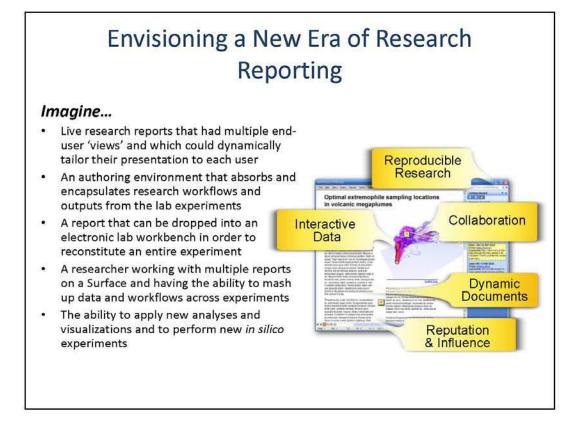


- 1. High bandwidth Research Networks
- 2. Internationally agreed AAA Infrastructure
- 3. Development Centers for Open Software
- 4. Technologies and standards for Data Provenance, Curation and Preservation
- 5. Open access to Data and Publications via Interoperable Repositories
- 6. Discovery Services and Collaborative Tools

UK Digital Curation Centre (JISC funded 2004)









Future role for University Research Libraries?

