Mind the Gap!

Moving from Aspiration to Experience in UK Data Management

Leslie Carr,
EPrints, Web & Internet Science Research Group,
University of Southampton

Mirror BYTeS
MumbaiMirror

Every day, two or three people fall into the foot-wide gap on platform 2 of Mumbra Railway Station, forty kilometres from Mumbai.

Nilesh Nikade

Posted On Monday, November 23, 2009

Openness Agendas

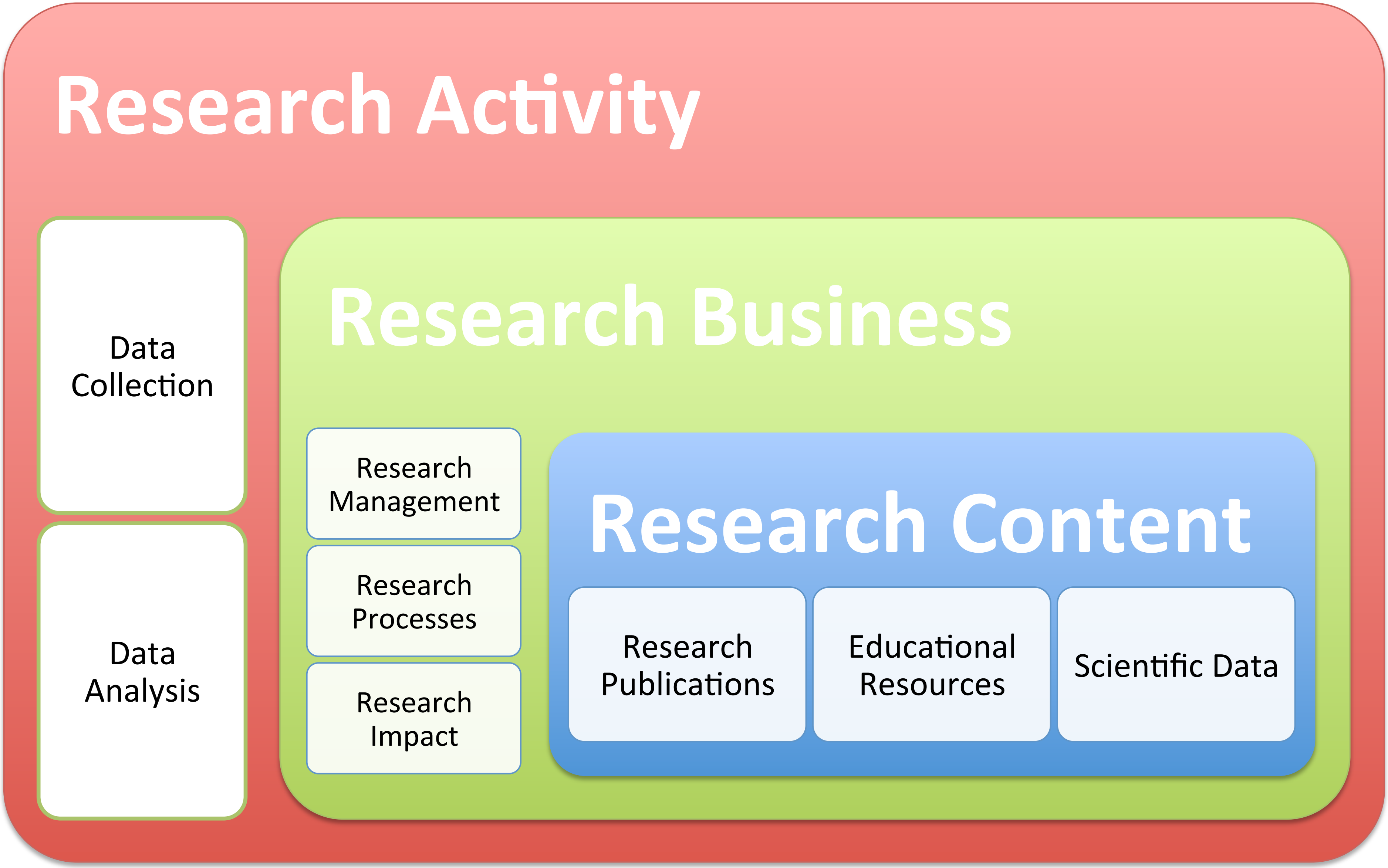
- Open Access to Research Outputs
- Open Educational Resources
- Open Research Data

- All underpinned by active preservation and curation policies and workflows
- **Repositories are tremendously important**

Disclaimer

- The following slides refer to implementation work done on the EPrints repository platform (version 3.3) however
  - Other repository platforms do exist…
  - The concept of **repository** is important, not the brand names!

Repository Scope



Research Activity

Data Collection

Data Analysis

Research Business

Research Management

Research Processes

Research Impact

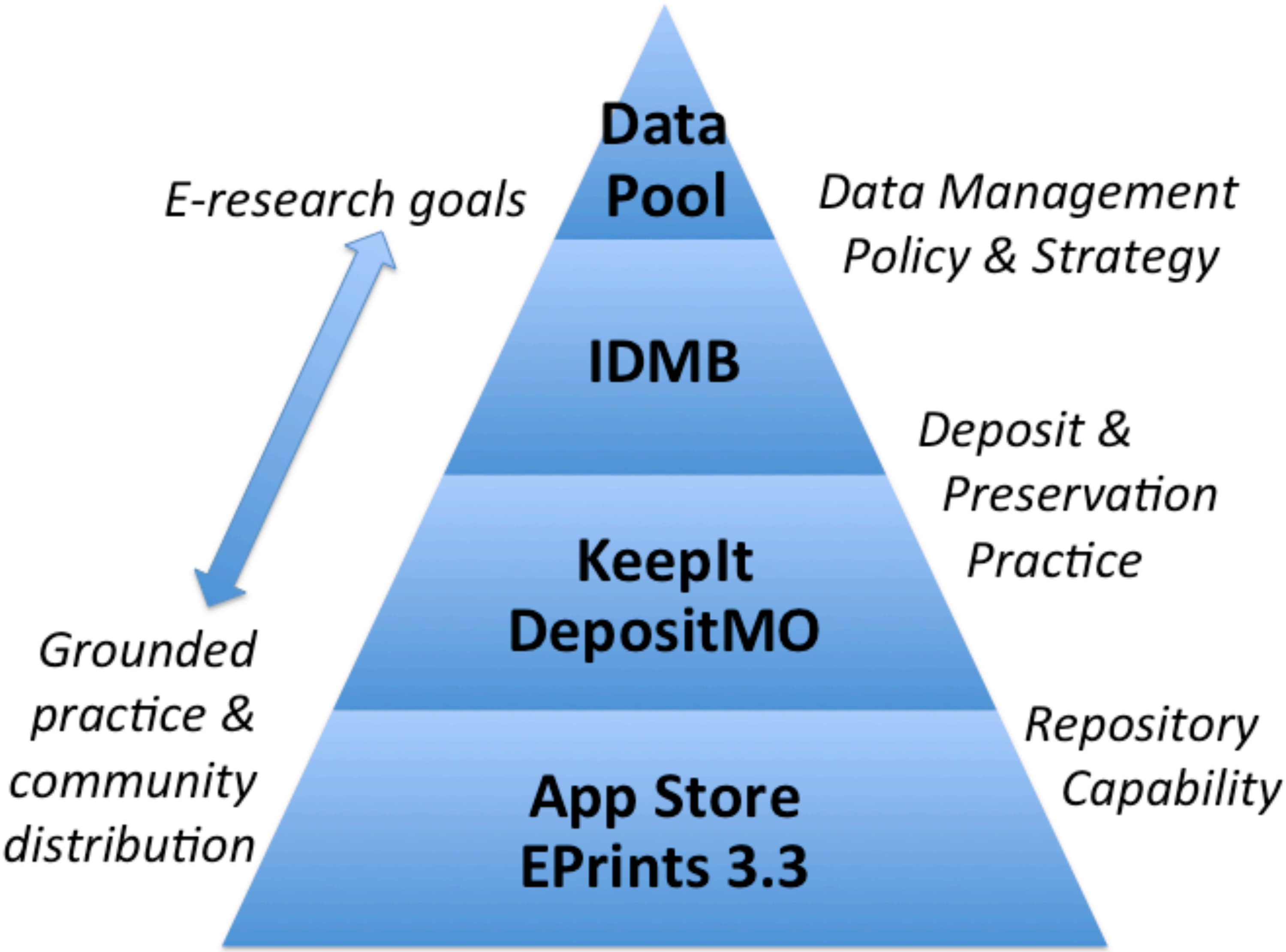
Research Content

Research Publications

Educational Resources

Scientific Data

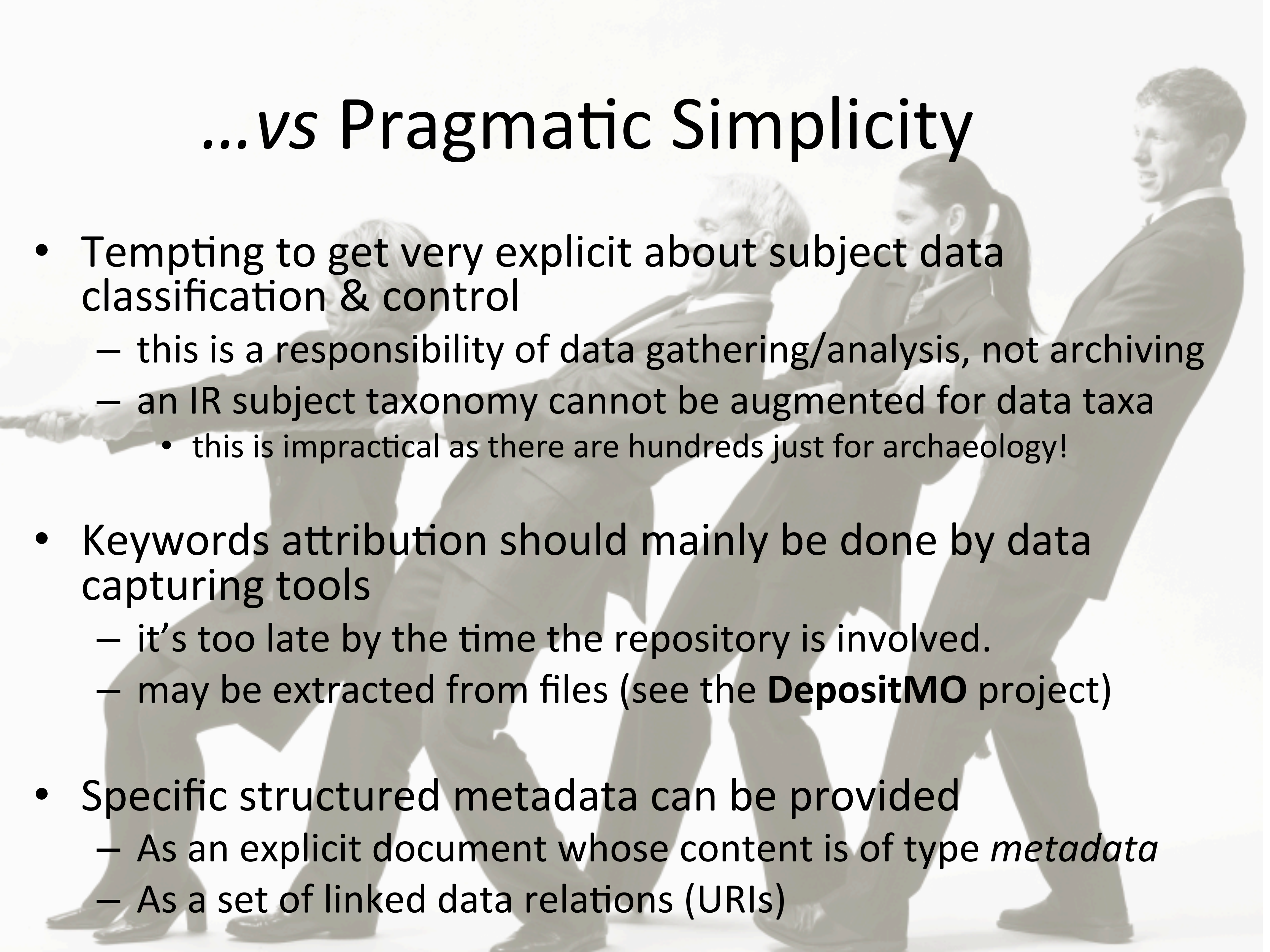
Research Data Management Practice



Data Pool
IDMB
KeepIt
DepositMO
App Store
EPrints 3.3
E-research goals
Grounded practice & community distribution
Data Management Policy & Strategy
Deposit & Preservation Practice
Repository Capability

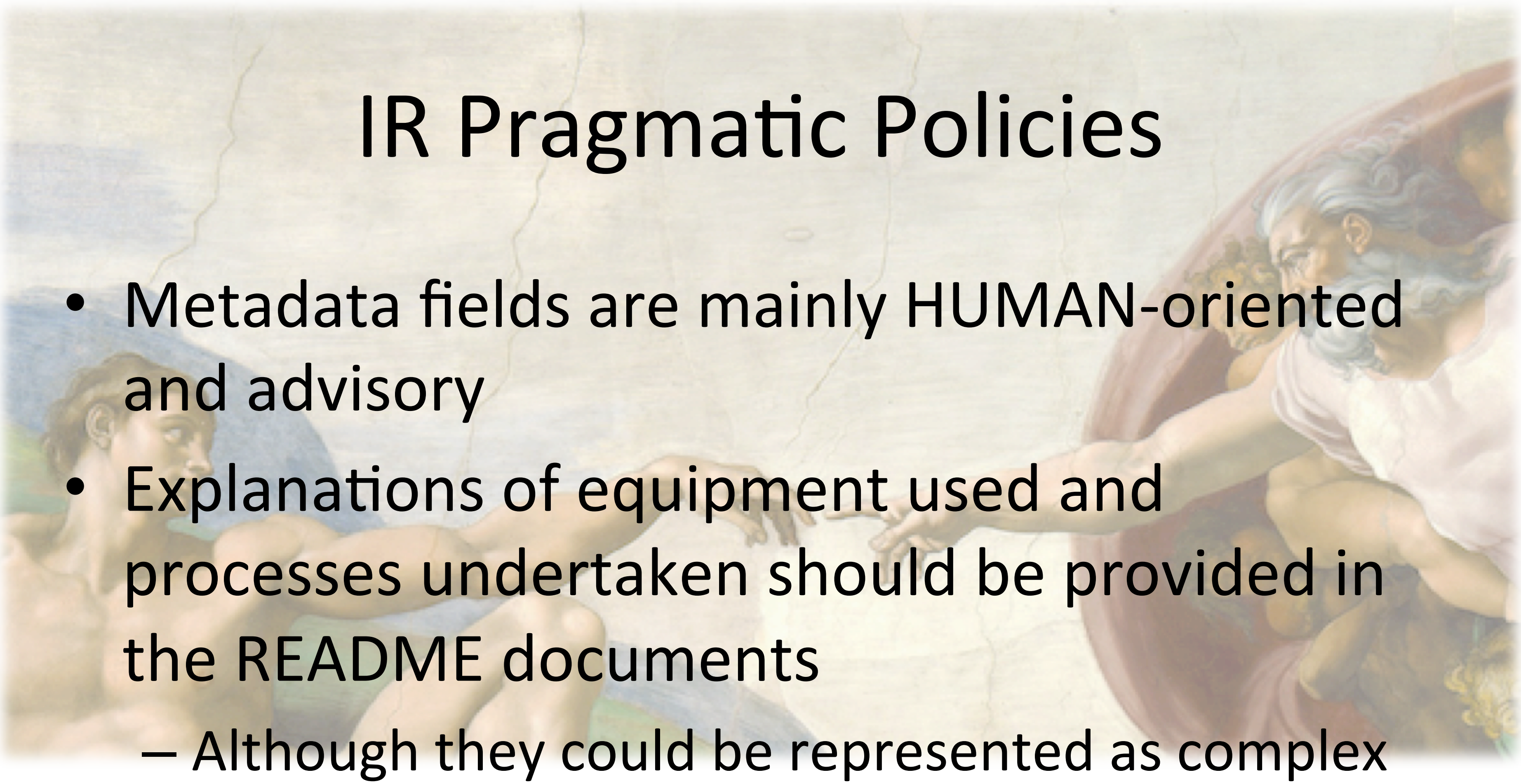
Ontological Exactitude *vs…*

…*vs* Pragmatic Simplicity



- Tempting to get very explicit about subject data classification & control
  - this is a responsibility of data gathering/analysis, not archiving
  - an IR subject taxonomy cannot be augmented for data taxa
    - this is impractical as there are hundreds just for archaeology!
- Keywords attribution should mainly be done by data capturing tools
  - it's too late by the time the repository is involved.
  - may be extracted from files (see the **DepositMO** project)
- Specific structured metadata can be provided
  - As an explicit document whose content is of type *metadata*
  - As a set of linked data relations (URIs)

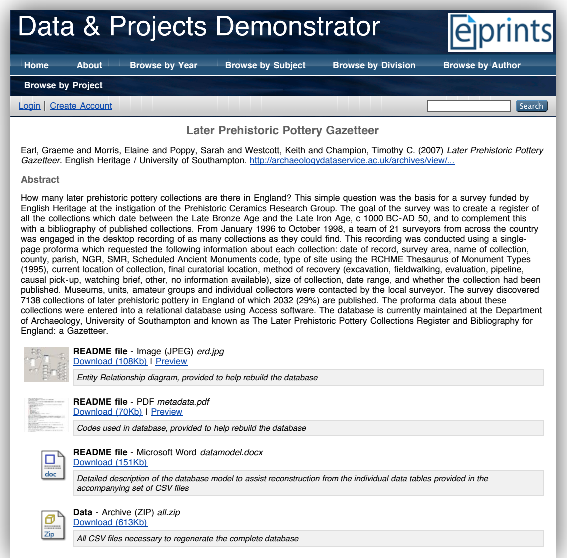
IR Pragmatic Policies



- Metadata fields are mainly HUMAN-oriented and advisory
- Explanations of equipment used and processes undertaken should be provided in the README documents
  - Although they could be represented as complex metadata or workflow documents, they are unlikely to be successful in attracting any popular use in the short term

Data-Oriented EPrint Records

- Dataset
  - A one-off, independent collection of data.
  - Contains one (or possibly more) data documents and probably README information to explain how to interpret the data document.
  - Metadata reflects the collection and processing of the data (*e.g.* a range of contributors instead of a creator)



Later Prehistoric Pottery Gazetteer

Earl, Graeme and Morris, Elaine and Poppy, Sarah and Westcott, Keith and Champion, Timothy C. (2007) *Later Prehistoric Pottery Gazetteer.* English Heritage / University of Southampton. http://archaeologydataservice.ac.uk/archives/view/...

Abstract

How many later prehistoric pottery collections are there in England? This simple question was the basis for a survey funded by English Heritage at the instigation of the Prehistoric Ceramics Research Group. The goal of the survey was to create a register of all the collections which date between the Late Bronze Age and the Late Iron Age, c 1000 BC-AD 50, and to complement this with a bibliography of published collections. From January 1996 to October 1998, a team of 21 surveyors from across the country was engaged in the desktop recording of as many collections as they could find. This recording was conducted using a single-page proforma which requested the following information about each collection: date of record, survey area, name of collection, county, parish, NGR, SMR, Scheduled Ancient Monuments code, type of site using the RCHME Thesaurus of Monument Types (1995), current location of collection, final curatorial location, method of recovery (excavation, fieldwalking, evaluation, pipeline, causal pick-up, watching brief, other, no information available), size of collection, date range, and whether the collection had been published. Museums, units, amateur groups and individual collectors were contacted by the local surveyor. The survey discovered 7138 collections of later prehistoric pottery in England of which 2032 (29%) are published. The proforma data about these collections were entered into a relational database using Access software. The database is currently maintained at the Department of Archaeology, University of Southampton and known as The Later Prehistoric Pottery Collections Register and Bibliography for England: a Gazetteer.

README file - Image (JPEG) *erd.jpg*
Download (108Kb) I Preview

Entity Relationship diagram, provided to help rebuild the database

README file - PDF *metadata.pdf*
Download (70Kb) I Preview

Codes used in database, provided to help rebuild the database

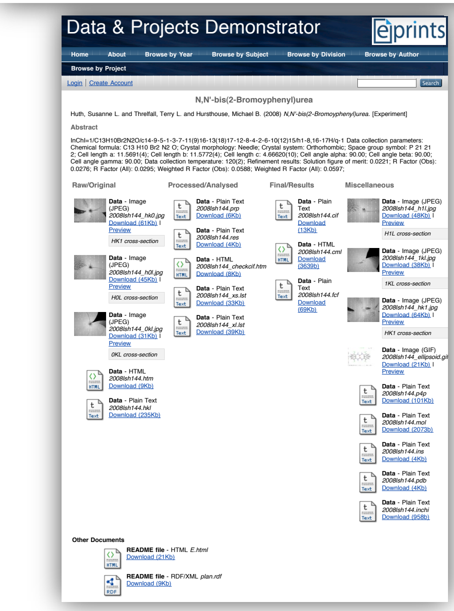
README file - Microsoft Word *datamodel.docx*
Download (151Kb)

Detailed description of the database model to assist reconstruction from the individual data tables provided in the accompanying set of CSV files

Data - Archive (ZIP) *all.zip*
Download (613Kb)

All CSV files necessary to regenerate the complete database

- Experiment
  - A structured process that may result in many datasets, intermediate analyses and final results.
  - Contains various data documents and README information. The experimental methodology/trial protocol/observational process can be described in a normal descriptive text.
  - Metadata reflects the experimental activities and context.



N,N'-bis(2-Bromoyphenyl)urea

Huth, Susanne L. and Threlfall, Terry L. and Hursthouse, Michael B. (2008) *N,N'-bis(2-Bromoyphenyl)urea.* [Experiment]

Abstract

InChI=1/C13H10Br2N2O/c14-9-5-1-3-7-11(9)16-13(18)17-12-8-4-2-6-10(12)15/h1-8,16-17H/q-1 Data collection parameters: Chemical formula: C13 H10 Br2 N2 O; Crystal morphology: Needle; Crystal system: Orthorhombic; Space group symbol: P 21 21 2; Cell length a: 11.5691(4); Cell length b: 11.5772(4); Cell length c: 4.66620(10); Cell angle alpha: 90.00; Cell angle beta: 90.00; Cell angle gamma: 90.00; Data collection temperature: 120(2); Refinement results: Solution figure of merit: 0.0221; R Factor (Obs): 0.0276; R Factor (All): 0.0295; Weighted R Factor (Obs): 0.0588; Weighted R Factor (All): 0.0597;

Raw/Original

Data - Image (JPEG) *2008lsh144_hk0.jpg*
Download (61Kb) I Preview

HK1 cross-section

Data - Image (JPEG) *2008lsh144_h0l.jpg*
Download (45Kb) I Preview

H0L cross-section

Data - Image (JPEG) *2008lsh144_0kl.jpg*
Download (31Kb) I Preview

0KL cross-section

Data - HTML *2008lsh144.htm*
Download (9Kb)

Data - Plain Text *2008lsh144.hkl*
Download (235Kb)

Processed/Analysed

Data - Plain Text *2008lsh144.prp*
Download (6Kb)

Data - Plain Text *2008lsh144.res*
Download (4Kb)

Data - HTML *2008lsh144_checkcif.htm*
Download (8Kb)

Data - Plain Text *2008lsh144_xs.lst*
Download (33Kb)

Data - Plain Text *2008lsh144_xl.lst*
Download (39Kb)

Final/Results

Data - Plain Text *2008lsh144.cif*
Download (13Kb)

Data - HTML *2008lsh144.cml*
Download (3639b)

Data - Plain Text *2008lsh144.fcf*
Download (69Kb)

Miscellaneous

Data - Image (JPEG) *2008lsh144_h1l.jpg*
Download (48Kb) I Preview

H1L cross-section

Data - Image (JPEG) *2008lsh144_1kl.jpg*
Download (38Kb) I Preview

1KL cross-section

Data - Image (JPEG) *2008lsh144_hk1.jpg*
Download (64Kb) I Preview

HK1 cross-section

Data - Image (GIF) *2008lsh144_ellipsoid.gif*
Download (21Kb) I Preview

Data - Plain Text *2008lsh144.p4p*
Download (101Kb)

Data - Plain Text *2008lsh144.mol*
Download (2073b)

Data - Plain Text *2008lsh144.ins*
Download (4Kb)

Data - Plain Text *2008lsh144.pdb*
Download (4Kb)

Data - Plain Text *2008lsh144.inchi*
Download (958b)

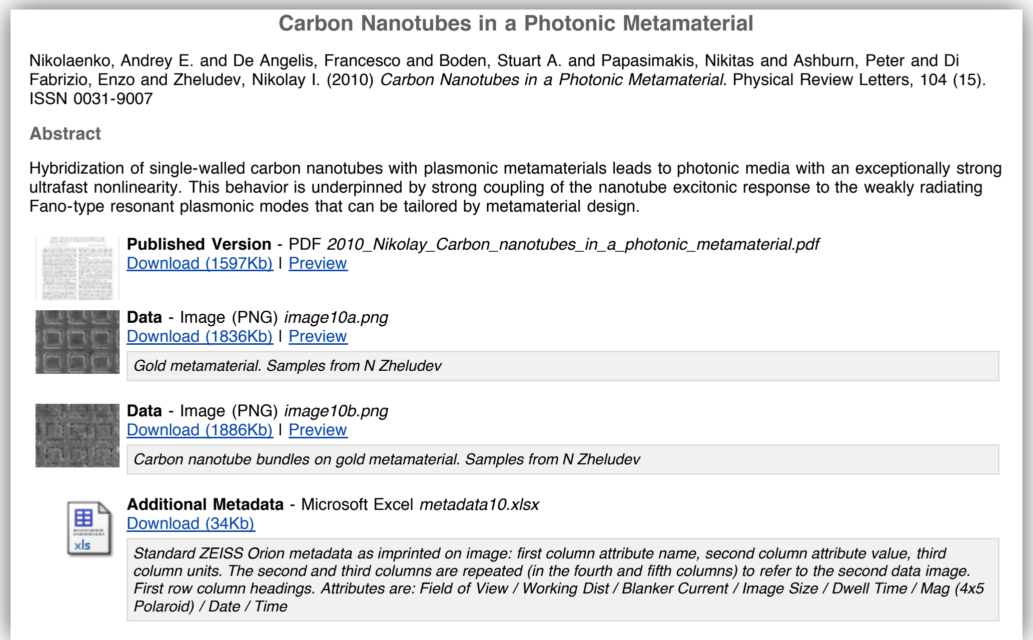
Other Documents

README file - HTML *E.html*
Download (21Kb)

README file - RDF/XML *plan.rdf*
Download (9Kb)

Data-Carrying EPrint Records

- Publication
  - Any publication-style eprint – journal article, conference paper, report *etc*
  - Publications may contain a data document with associated README information.
  - Metadata reflects the publication, not the data gathering
    - list of authors rather than research technicians



Carbon Nanotubes in a Photonic Metamaterial

Nikolaenko, Andrey E. and De Angelis, Francesco and Boden, Stuart A. and Papasimakis, Nikitas and Ashburn, Peter and Di Fabrizio, Enzo and Zheludev, Nikolay I. (2010) *Carbon Nanotubes in a Photonic Metamaterial.* Physical Review Letters, 104 (15). ISSN 0031-9007

Abstract

Hybridization of single-walled carbon nanotubes with plasmonic metamaterials leads to photonic media with an exceptionally strong ultrafast nonlinearity. This behavior is underpinned by strong coupling of the nanotube excitonic response to the weakly radiating Fano-type resonant plasmonic modes that can be tailored by metamaterial design.

Published Version - PDF *2010_Nikolay_Carbon_nanotubes_in_a_photonic_metamaterial.pdf*
Download (1597Kb) | Preview

Data - Image (PNG) *image10a.png*
Download (1836Kb) | Preview

Gold metamaterial. Samples from N Zheludev

Data - Image (PNG) *image10b.png*
Download (1886Kb) | Preview

Carbon nanotube bundles on gold metamaterial. Samples from N Zheludev

Additional Metadata - Microsoft Excel *metadata10.xlsx*
Download (34Kb)

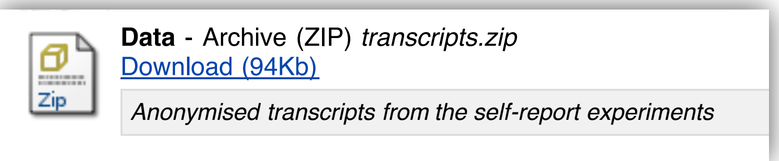
Standard ZEISS Orion metadata as imprinted on image: first column attribute name, second column attribute value, third column units. The second and third columns are repeated (in the fourth and fifth columns) to refer to the second data image. First row column headings. Attributes are: Field of View / Working Dist / Blanker Current / Image Size / Dwell Time / Mag (4x5 Polaroid) / Date / Time

Kinds of Publication Content

- different versions or lifecycle stages
  - draft / submitted / accepted / published / updated / redacted
- associated material that augments the publication
  - supplemental material
- slides or video of a talk about the publication
  - presentation
- an image that visually represents the publication
  - coverimage

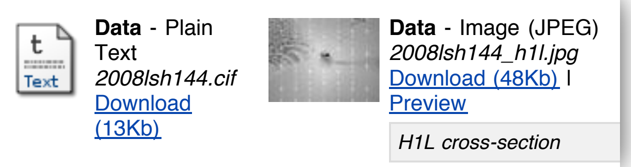
Kinds of Data Content

- Data
  - Primary information, experimental results, equipment readings, survey responses



Data - Archive (ZIP) *transcripts.zip*
Download (94Kb)

Anonymised transcripts from the self-report experiments

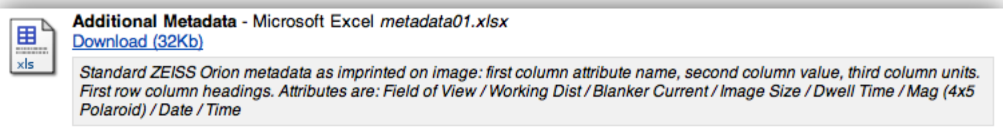


Data - Plain Text *2008lsh144.cif*
Download (13Kb)

Data - Image (JPEG) *2008lsh144_h1l.jpg*
Download (48Kb) | Preview

H1L cross-section

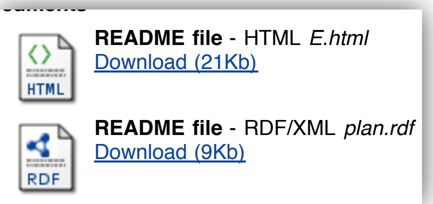
- Additional Metadata
  - Subject-specific secondary information about the conditions under which the data was obtained (*e.g.* focal length, beam energy etc)



Additional Metadata - Microsoft Excel *metadata01.xlsx*
Download (32Kb)

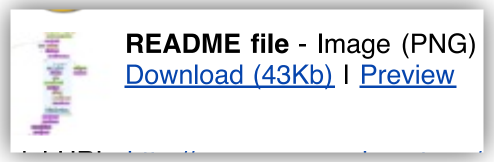
Standard ZEISS Orion metadata as imprinted on image: first column attribute name, second column value, third column units. First row column headings. Attributes are: Field of View / Working Dist / Blanker Current / Image Size / Dwell Time / Mag (4x5 Polaroid) / Date / Time

- README
  - Experiment-specific explanation of methodology, process or rules of interpretation of the result data
  - If a separate README document is not justified, a README field is provided for convenience.



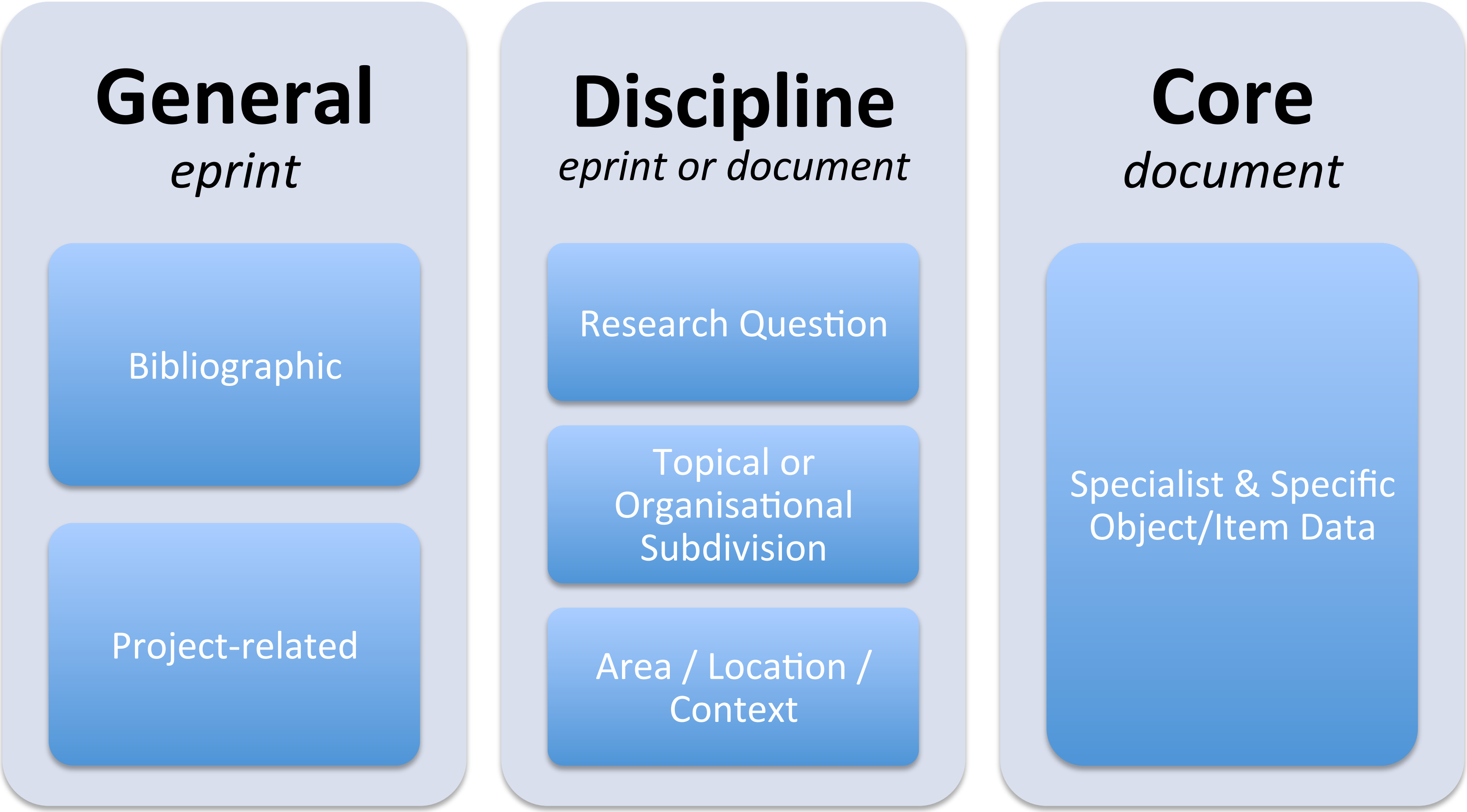
README file - HTML *E.html*
Download (21Kb)

README file - RDF/XML *plan.rdf*
Download (9Kb)



README file - Image (PNG)
Download (43Kb) | Preview

Institutional Data Management Blueprint
3-layer **metadata** guidance



General

eprint

Bibliographic

Project-related

Discipline

eprint or document

Research Question

Topical or Organisational Subdivision

Area / Location / Context

Core

document

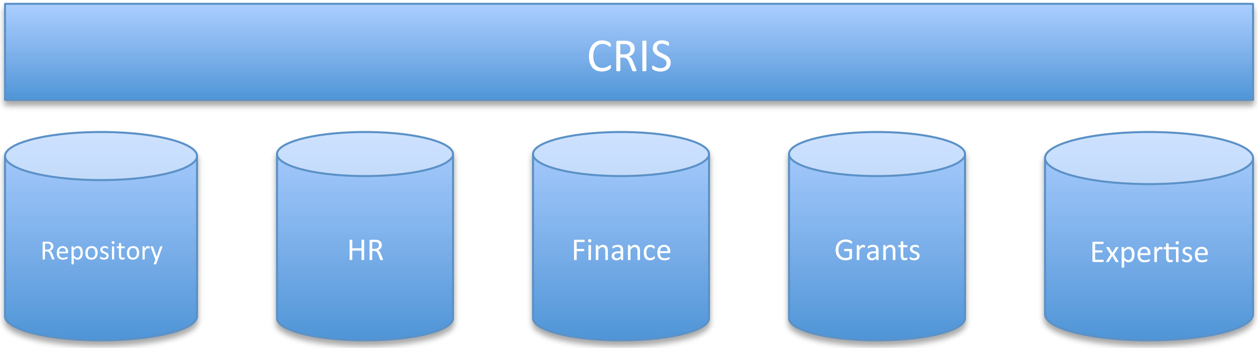
Specialist & Specific Object/Item Data

Research-specific info should be delegated to the document level, or the data files themselves

JISC Readiness for REF project

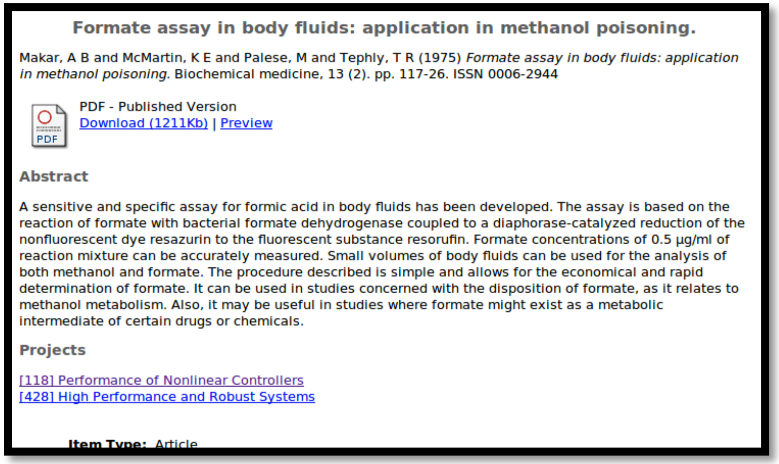
Research Management

- A CRIS (Current Research Information System) pulls together information from all of an institution's research-relevant databases
  - Used for research reporting
- Repositories should support the CERIF standard to co-operate as components of a CRIS environment



EPrints + CRIS

- EPrints internally accommodates CERIF data
  - Not just *publications* but also *projects* and *organisations*
  - Allows data interchange with external CRIS systems
  - Allows repository to act as a simple CRIS
- CERIFed repositories have many separate datasets, all linked together via explicit relationships



Formate assay in body fluids: application in methanol poisoning.

Makar, A B and McMartin, K E and Palese, M and Tephly, T R (1975) *Formate assay in body fluids: application in methanol poisoning.* Biochemical medicine, 13 (2). pp. 117-26. ISSN 0006-2944

PDF - Published Version
Download (1211Kb) | Preview

Abstract

A sensitive and specific assay for formic acid in body fluids has been developed. The assay is based on the reaction of formate with bacterial formate dehydrogenase coupled to a diaphorase-catalyzed reduction of the nonfluorescent dye resazurin to the fluorescent substance resorufin. Formate concentrations of 0.5 µg/ml of reaction mixture can be accurately measured. Small volumes of body fluids can be used for the analysis of both methanol and formate. The procedure described is simple and allows for the economical and rapid determination of formate. It can be used in studies concerned with the disposition of formate, as it relates to methanol metabolism. Also, it may be useful in studies where formate might exist as a metabolic intermediate of certain drugs or chemicals.

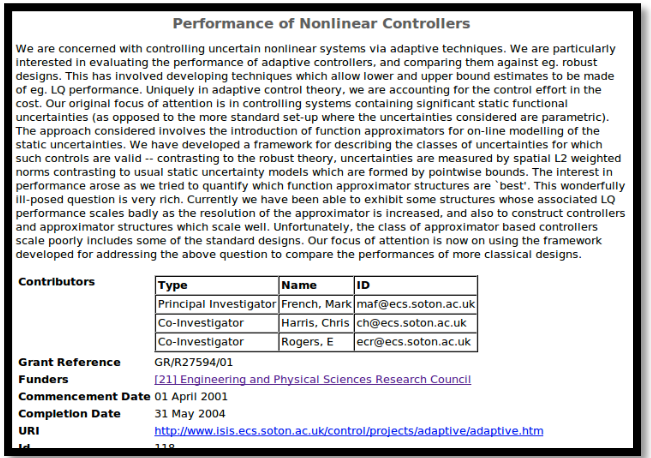
Projects

[118] Performance of Nonlinear Controllers
[428] High Performance and Robust Systems

Item Type: Article

article record

links to



Performance of Nonlinear Controllers

We are concerned with controlling uncertain nonlinear systems via adaptive techniques. We are particularly interested in evaluating the performance of adaptive controllers, and comparing them against eg. robust designs. This has involved developing techniques which allow lower and upper bound estimates to be made of eg. LQ performance. Uniquely in adaptive control theory, we are accounting for the control effort in the cost. Our original focus of attention is in controlling systems containing significant static functional uncertainties (as opposed to the more standard set-up where the uncertainties considered are parametric). The approach considered involves the introduction of function approximators for on-line modelling of the static uncertainties. We have developed a framework for describing the classes of uncertainties for which such controls are valid -- contrasting to the robust theory, uncertainties are measured by spatial L2 weighted norms contrasting to usual static uncertainty models which are formed by pointwise bounds. The interest in performance arose as we tried to quantify which function approximator structures are `best'. This wonderfully ill-posed question is very rich. Currently we have been able to exhibit some structures whose associated LQ performance scales badly as the resolution of the approximator is increased, and also to construct controllers and approximator structures which scale well. Unfortunately, the class of approximator based controllers scale poorly includes some of the standard designs. Our focus of attention is now on using the framework developed for addressing the above question to compare the performances of more classical designs.

Contributors

Type	Name	ID
Principal Investigator	French, Mark	maf@ecs.soton.ac.uk
Co-Investigator	Harris, Chris	ch@ecs.soton.ac.uk
Co-Investigator	Rogers, E	ecr@ecs.soton.ac.uk

Grant Reference	GR/R27594/01
Funders	[21] Engineering and Physical Sciences Research Council
Commencement Date	01 April 2001
Completion Date	31 May 2004
URI	http://www.isis.ecs.soton.ac.uk/control/projects/adaptive/adaptive.htm
Id	118

project record

Research Data Collection

- Repository as data collection service
- Social scientists view ‘the Web’ as their next big data challenge
  - and methodological challenge!
- Support researchers for long-term data collection (months / years)
  - forum contributions
  - Google search results
  - Youtube videos
  - Facebook entries
  - Tweets
  - Blog comments

The challenges of managing social media research data: a researcher's perspective

DCC because good research needs good data

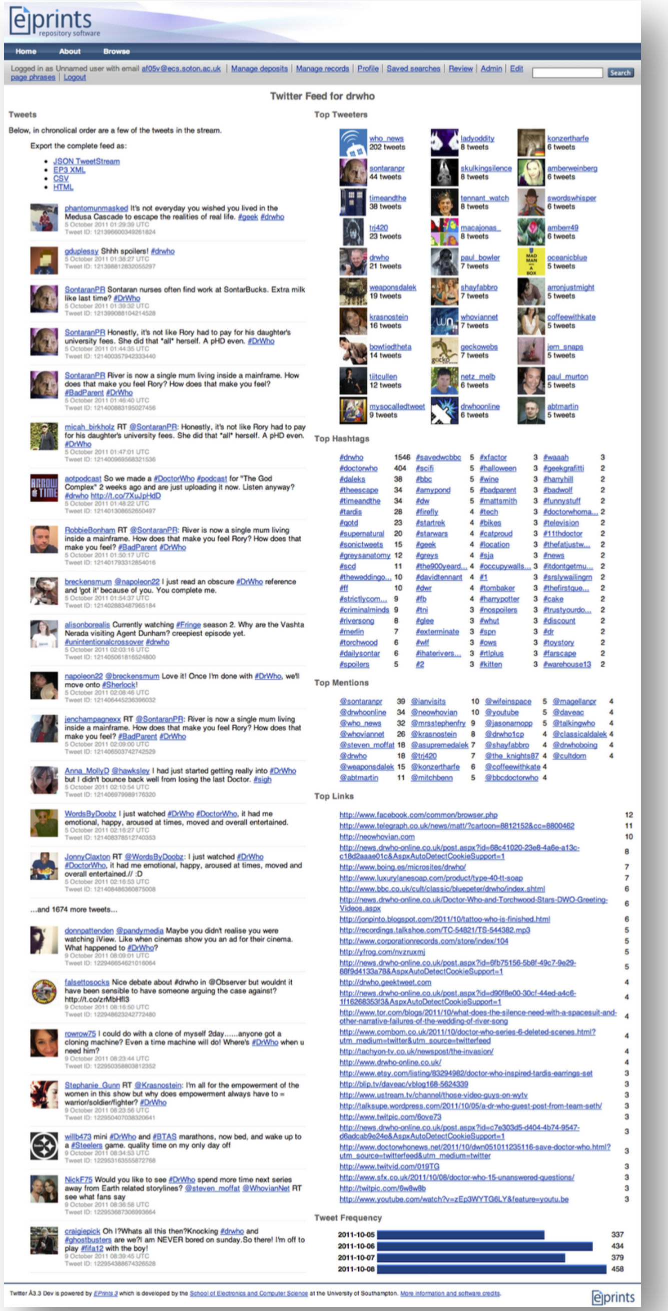
http://www.dcc.ac.uk/news/challenges-managing-social-media-research-data-researchers-perspective

- *Dr Anne Alexander is Co-ordinator of the Cambridge Digital Humanities Network, a network of researchers at Cambridge who are interested in how the use of digital tools is transforming scholarship in the humanities and social sciences.*

- "But as a researcher, interacting with the material on Facebook brings a huge number of challenges. A particular problem I am struggling with at the moment is how to 'freeze' a dynamic digital environment such as a Facebook wall in order to capture some of the data I am interested in studying. Beyond taking screen shots and saving as a pdf, this is difficult to do, and it is risky to assume that the material you want to look at will still be available in six months' time, let alone years hence."

Twitter

- Two repository datasets
  - individual tweets
  - timeline
- With rendering and rudimentary analysis
  - to support long-term data collection
- Package downloadable from EPrints Bazaar



Logged in as Unnamed user with email af05v@ecs.soton.ac.uk | Manage deposits | Manage records | Profile | Saved searches | Review | Admin | Edit page phrases | Logout

Twitter Feed for drwho

Tweets

Below, in chronolical order are a few of the tweets in the stream.

Export the complete feed as:

- JSON TweetStream
- EP3 XML
- CSV
- HTML

phantomunmasked It's not everyday you wished you lived in the Medusa Cascade to escape the realities of real life. #geek #drwho
5 October 2011 01:29:39 UTC
Tweet ID: 121396600349261824

gduplessy Shhh spoilers! #drwho
5 October 2011 01:38:27 UTC
Tweet ID: 121398812832055297

SontaranPR Sontaran nurses often find work at SontarBucks. Extra milk like last time? #DrWho
5 October 2011 01:39:32 UTC
Tweet ID: 121399088104214528

SontaranPR Honestly, it's not like Rory had to pay for his daughter's university fees. She did that *all* herself. A pHD even. #DrWho
5 October 2011 01:44:35 UTC
Tweet ID: 121400357942333440

SontaranPR River is now a single mum living inside a mainframe. How does that make you feel Rory? How does that make you feel? #BadParent #DrWho
5 October 2011 01:46:40 UTC
Tweet ID: 121400883195027456

micah_birkholz RT @SontaranPR: Honestly, it's not like Rory had to pay for his daughter's university fees. She did that *all* herself. A pHD even. #DrWho
5 October 2011 01:47:01 UTC
Tweet ID: 121400969568321536

aotpodcast So we made a #DoctorWho #podcast for "The God Complex" 2 weeks ago and are just uploading it now. Listen anyway? #drwho http://t.co/7XuJpHdD
5 October 2011 01:48:22 UTC
Tweet ID: 121401308652650497

RobbieBonham RT @SontaranPR: River is now a single mum living inside a mainframe. How does that make you feel Rory? How does that make you feel? #BadParent #DrWho
5 October 2011 01:50:17 UTC
Tweet ID: 121401793312854016

breckensmum @napoleon22 I just read an obscure #DrWho reference and 'got it' because of you. You complete me.
5 October 2011 01:54:37 UTC
Tweet ID: 121402883487965184

alisonborealis Currently watching #Fringe season 2. Why are the Vashta Nerada visiting Agent Dunham? creepiest episode yet. #unintentionalcrossover #drwho
5 October 2011 02:03:16 UTC
Tweet ID: 121405061816524800

napoleon22 @breckensmum Love it! Once I'm done with #DrWho, we'll move onto #Sherlock!
5 October 2011 02:08:46 UTC
Tweet ID: 121406445236396032

jenchampagnexx RT @SontaranPR: River is now a single mum living inside a mainframe. How does that make you feel Rory? How does that make you feel? #BadParent #DrWho
5 October 2011 02:09:00 UTC
Tweet ID: 121406503742742529

Anna_MollyD @hawksley I had just started getting really into #DrWho but I didn't bounce back well from losing the last Doctor. #sigh
5 October 2011 02:10:54 UTC
Tweet ID: 121406979989176320

WordsByDoobz I just watched #DrWho #DoctorWho, it had me emotional, happy, aroused at times, moved and overall entertained.
5 October 2011 02:16:27 UTC
Tweet ID: 121408378512740353

JonnyClaxton RT @WordsByDoobz: I just watched #DrWho #DoctorWho, it had me emotional, happy, aroused at times, moved and overall entertained.// :D
5 October 2011 02:16:53 UTC
Tweet ID: 121408486360875008

...and 1674 more tweets...

donnpattenden @pandymedia Maybe you didn't realise you were watching iView. Like when cinemas show you an ad for their cinema. What happened to #DrWho?
9 October 2011 08:09:01 UTC
Tweet ID: 122946654621016064

falsettosocks Nice debate about #drwho in @Observer but wouldnt it have been sensible to have someone arguing the case against? http://t.co/zrMbHfl3
9 October 2011 08:16:50 UTC
Tweet ID: 122948623242772480

rowrow75 I could do with a clone of myself 2day......anyone got a cloning machine? Even a time machine will do! Where's #DrWho when u need him?
9 October 2011 08:23:44 UTC
Tweet ID: 122950358803812352

Stephanie_Gunn RT @Krasnostein: I'm all for the empowerment of the women in this show but why does empowerment always have to = warrior/soldier/fighter? #DrWho
9 October 2011 08:23:56 UTC
Tweet ID: 122950407038320641

willb473 mini #DrWho and #BTAS marathons, now bed, and wake up to a #Steelers game. quality time on my only day off
9 October 2011 08:34:53 UTC
Tweet ID: 122953163555872768

NickF75 Would you like to see #DrWho spend more time next series away from Earth related storylines? @steven_moffat @WhovianNet RT see what fans say
9 October 2011 08:36:58 UTC
Tweet ID: 122953687306993664

craigiepick Oh I?Whats all this then?Knocking #drwho and #ghostbusters are we?I am NEVER bored on sunday.So there! I'm off to play #fifa12 with the boy!
9 October 2011 08:39:45 UTC
Tweet ID: 122954388674326528

Top Tweeters

who_news 202 tweets	ladyoddity 8 tweets	konzertharfe 6 tweets
sontaranpr 44 tweets	skulkingsilence 8 tweets	amberweinberg 6 tweets
timeandthe 38 tweets	tennant_watch 8 tweets	swordswhisper 6 tweets
trj420 23 tweets	macajonas_ 8 tweets	amberr49 6 tweets
drwho 21 tweets	paul_bowler 7 tweets	oceanicblue 5 tweets
weaponsdalek 19 tweets	shayfabbro 7 tweets	arronjustmight 5 tweets
krasnostein 16 tweets	whoviannet 7 tweets	coffeewithkate 5 tweets
bowtiedtheta 14 tweets	geckowebs 7 tweets	jem_snaps 5 tweets
tiitcullen 12 tweets	netz_melb 6 tweets	paul_murton 5 tweets
mysocalledtweet 9 tweets	drwhoonline 6 tweets	abtmartin 5 tweets

Top Hashtags

#drwho	1546	#savedwcbbc	5	#xfactor	3	#waaah	3
#doctorwho	404	#scifi	5	#halloween	3	#geekgrafitti	2
#daleks	38	#bbc	5	#wine	3	#harryhill	2
#theescape	34	#amypond	5	#badparent	3	#badwolf	2
#timeandthe	34	#dw	5	#mattsmith	3	#funnystuff	2
#tardis	28	#firefly	4	#tech	3	#doctorwhoma...	2
#gotd	23	#startrek	4	#bikes	3	#television	2
#supernatural	20	#starwars	4	#catproud	3	#11thdoctor	2
#sonictweets	15	#geek	4	#location	3	#thefatjustw...	2
#greysanatomy	12	#greys	4	#sja	3	#news	2
#scd	11	#the900yeard...	4	#occupywalls...	3	#itdontgetmu...	2
#theweddingo...	10	#davidtennant	4	#1	3	#srslywailingrn	2
#ff	10	#dwr	4	#tombaker	3	#thefirstque...	2
#strictlycom...	9	#fb	4	#harrypotter	3	#cake	2
#criminalminds	9	#tni	3	#nospoilers	3	#trustyourdo...	2
#riversong	8	#glee	3	#whut	3	#discount	2
#merlin	7	#exterminate	3	#spn	3	#dr	2
#torchwood	6	#wlf	3	#ows	3	#toystory	2
#dailysontar	6	#ihaterivers...	3	#rtlplus	3	#farscape	2
#spoilers	5	#2	3	#kitten	3	#warehouse13	2

Top Mentions

@sontaranpr	39	@ianvisits	10	@wifeinspace	5	@magellanpr	4
@drwhoonline	34	@neowhovian	10	@youtube	5	@daveac	4
@who_news	32	@mrsstephenfry	9	@jasonarnopp	5	@talkingwho	4
@whoviannet	26	@krasnostein	8	@drwho1cp	4	@classicaldalek	4
@steven_moffat	18	@asupremedalek	7	@shayfabbro	4	@drwhoboing	4
@drwho	18	@trj420	7	@the_knights87	4	@cultdom	4
@weaponsdalek	15	@konzertharfe	6	@coffeewithkate	4		
@abtmartin	11	@mitchbenn	5	@bbcdoctorwho	4		

Top Links

http://www.facebook.com/common/browser.php	12
http://www.telegraph.co.uk/news/matt/?cartoon=8812152&cc=8800462	11
http://neowhovian.com	10
http://news.drwho-online.co.uk/post.aspx?id=68c41020-23e8-4a6e-a13c-c18d2aaae01c&AspxAutoDetectCookieSupport=1	8
http://www.boing.es/microsites/drwho/	7
http://www.luxurylanesoap.com/product/type-40-tt-soap	7
http://www.bbc.co.uk/cult/classic/bluepeter/drwho/index.shtml	6
http://news.drwho-online.co.uk/Doctor-Who-and-Torchwood-Stars-DWO-Greeting-Videos.aspx	6
http://jonpinto.blogspot.com/2011/10/tattoo-who-is-finished.html	6
http://recordings.talkshoe.com/TC-54821/TS-544382.mp3	5
http://www.corporationrecords.com/store/index/104	5
http://yfrog.com/nvzruxmj	5
http://news.drwho-online.co.uk/post.aspx?id=6fb75156-5b8f-49c7-9e29-88f9d4133a78&AspxAutoDetectCookieSupport=1	5
http://drwho.geektweet.com	4
http://news.drwho-online.co.uk/post.aspx?id=d90f8e00-30cf-44ed-a4c6-1f16268353f3&AspxAutoDetectCookieSupport=1	4
http://www.tor.com/blogs/2011/10/what-does-the-silence-need-with-a-spacesuit-and-other-narrative-failures-of-the-wedding-of-river-song	4
http://www.combom.co.uk/2011/10/doctor-who-series-6-deleted-scenes.html?utm_medium=twitter&utm_source=twitterfeed	4
http://tachyon-tv.co.uk/newspost/the-invasion/	4
http://www.drwho-online.co.uk/	4
http://www.etsy.com/listing/83294982/doctor-who-inspired-tardis-earrings-set	3
http://blip.tv/daveac/vblog168-5624339	3
http://www.ustream.tv/channel/those-video-guys-on-wytv	3
http://talksupe.wordpress.com/2011/10/05/a-dr-who-guest-post-from-team-seth/	3
http://www.twitpic.com/6ove73	3
http://news.drwho-online.co.uk/post.aspx?id=c7e303d5-d404-4b74-9547-d6adcab9e24e&AspxAutoDetectCookieSupport=1	3
http://www.doctorwhonews.net/2011/10/dwn051011235116-save-doctor-who.html?utm_source=twitterfeed&utm_medium=twitter	3
http://www.twitvid.com/019TG	3
http://www.sfx.co.uk/2011/10/08/doctor-who-15-unanswered-questions/	3
http://twitpic.com/6w8w8b	3
http://www.youtube.com/watch?v=zEp3WYTG6LY&feature=youtu.be	3

Tweet Frequency

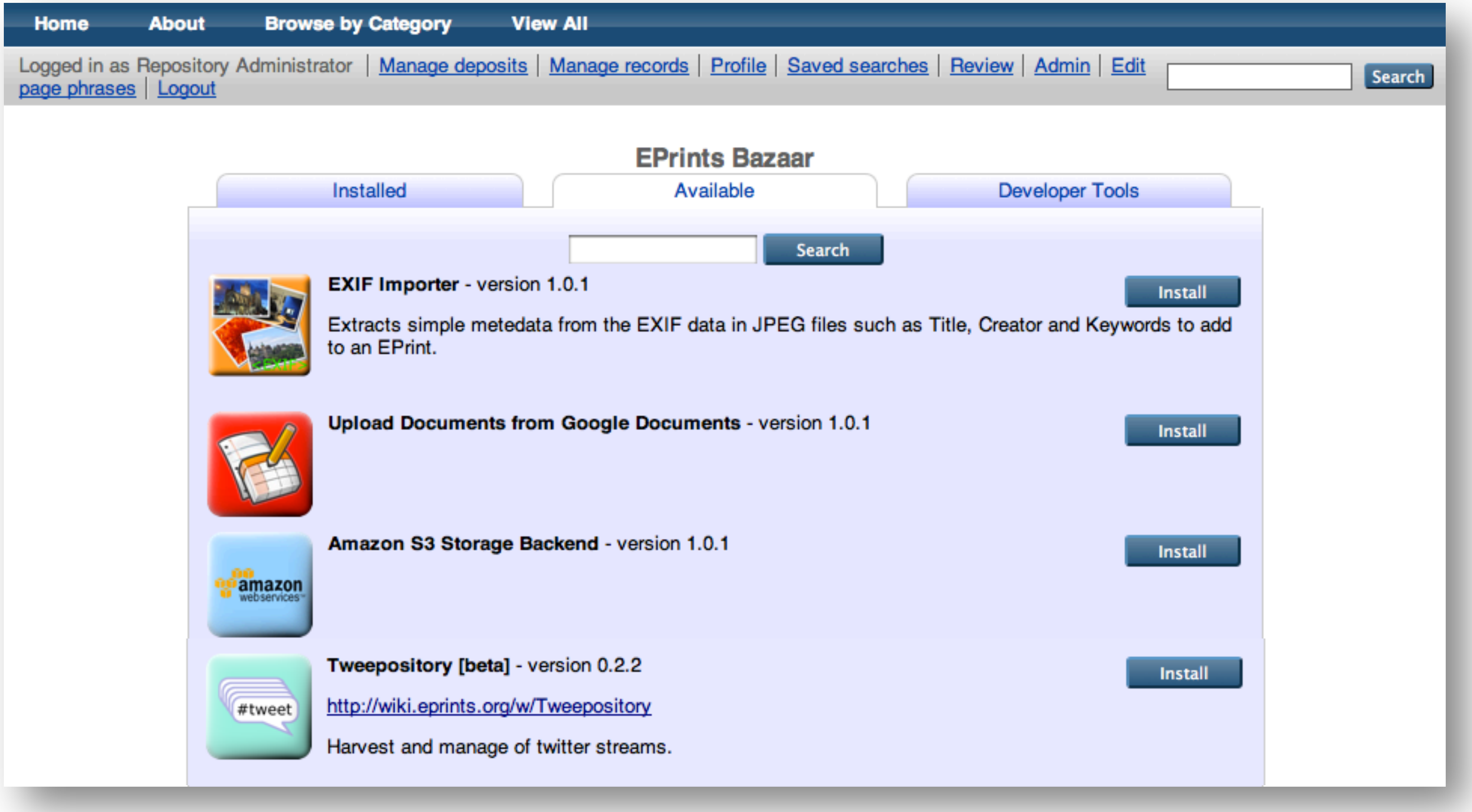
2011-10-05	337
2011-10-06	434
2011-10-07	379
2011-10-08	458

Twitter Ã3.3 Dev is powered by EPrints 3 which is developed by the School of Electronics and Computer Science at the University of Southampton. More information and software credits.

500,000 tweets about "Dr Who" collected over 6 months

EPrints Bazaar

- 1-click installation



Logged in as Repository Administrator | Manage deposits | Manage records | Profile | Saved searches | Review | Admin | Edit page phrases | Logout

EPrints Bazaar

EXIF Importer - version 1.0.1

Extracts simple metedata from the EXIF data in JPEG files such as Title, Creator and Keywords to add to an EPrint.

Upload Documents from Google Documents - version 1.0.1

Amazon S3 Storage Backend - version 1.0.1

Tweepository [beta] - version 0.2.2

http://wiki.eprints.org/w/Tweepository

Harvest and manage of twitter streams.

App *as* Repository? *for* Repository?

- Publication workflows and technologies are similar for all disciplines
- Scientific workflows and technologies are different for every discipline
- Every lab or research group should have its own app that integrates seamlessly with its own practices and deposits automatically into the repository
  - SWORD
  - JISC DepositMO

Final Thought
What is a Repository ANYWAY?

- Do all these agendas (open access, research reporting, e-research) just confuse the IR mission statement?
- A repository is not just a piece of information management software
- It is a socially embedded technological phenomenon that promotes new relationship to research information
  - International programs of 'advocacy'
  - Institutionally embedded, with teams of librarians trained to use, and to train researchers to use, repositories
  - Personal engagement with end-users