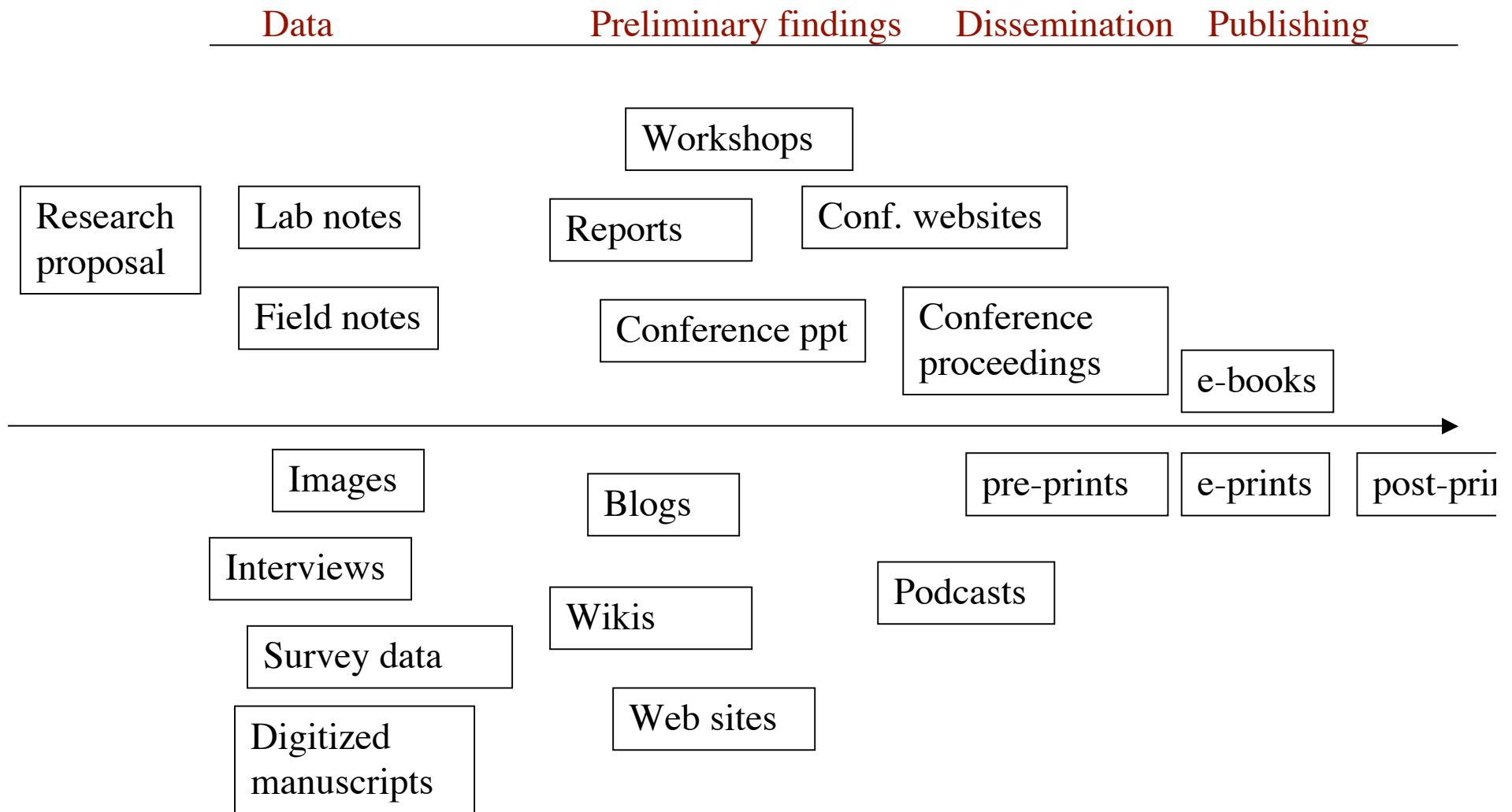


Non formal digital resources

*Everything that is not electronic
journals or books*

abstract archive bibliographies
blogs books catalogues conference
corpora data databases datasets drafts
engines eprints graphics image
images journals learning
library manuscripts maps
museum notebooks numerical numericaldata
photographs podcasts portals
postprints proceedings reports
resources satellite search
tagged text theses vrm web
workingdrafts

What are non formal digital resources?



Institutional repositories

- About 2002
- A set of services for **management** and **dissemination** of **digital materials** created by members
- Increase breadth of digital materials
- Scholarly communication, not just publishing
- Support new forms of scholarly communication

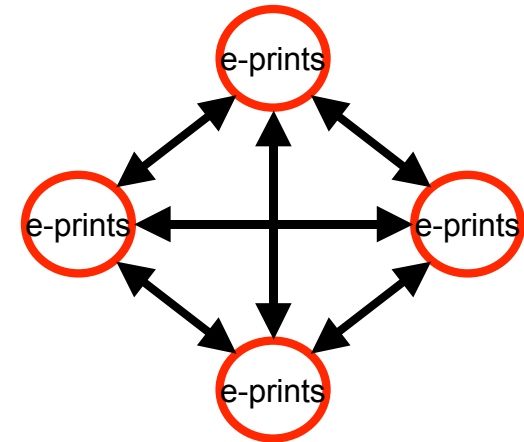
- Lynch 2003 *IRs-Essential infrastructure for Scholarship in the Digital Age*

Study on non formal resources in IRs

- *What are IRs made of?*
 - *What types of materials?*
 - *Criterion for accepting materials?*
 - *Content ingest and work flow process?*
- Online questionnaire for repository managers
- Interviews with case study IRs

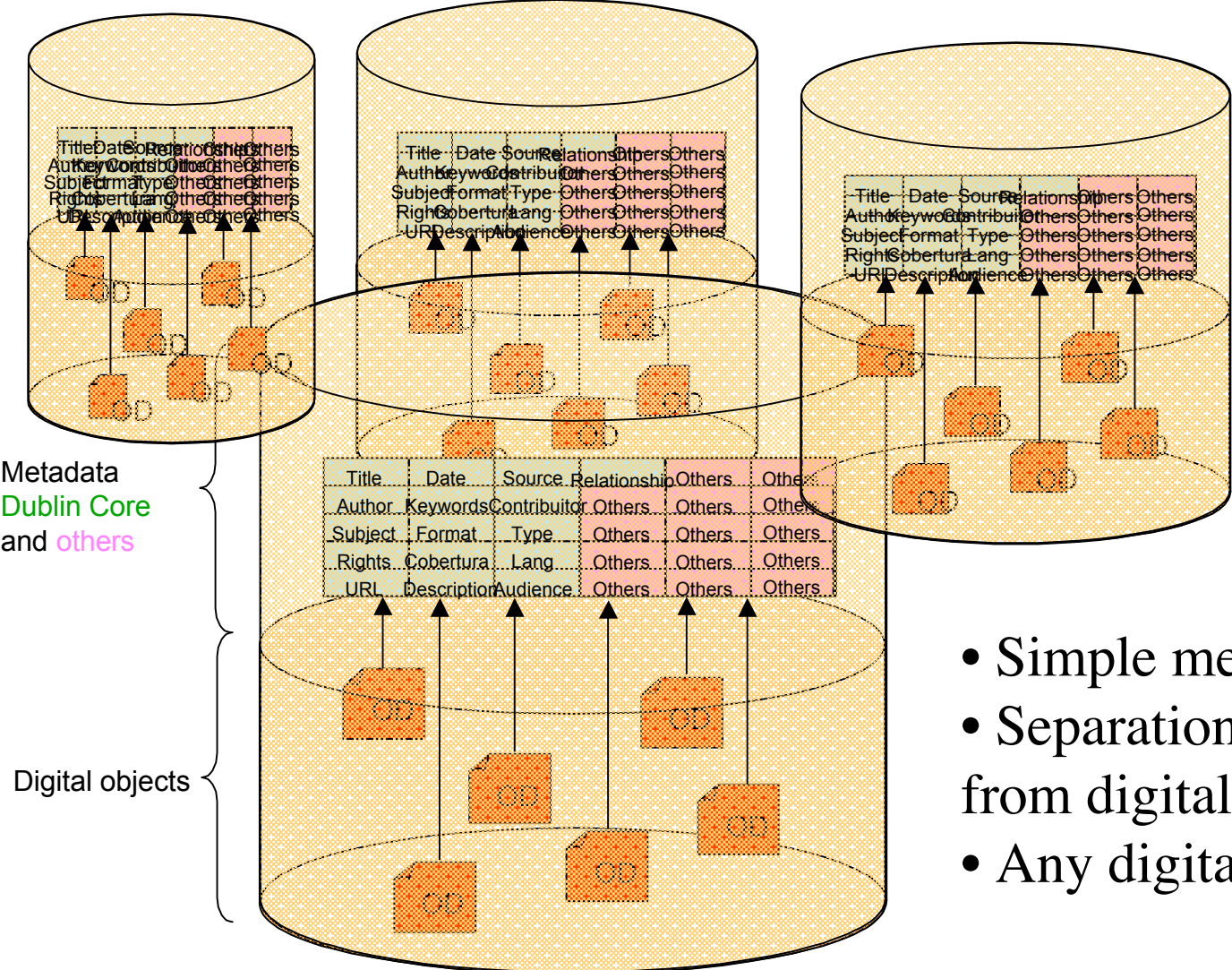
Overview of e-print repositories

- Sharing of pre-prints. Creation of e-print repositories
- OAI-PMH (Open Archives Initiative Protocol for Metadata Harvesting) 1999
- Creation of EPrints and DSpace
- Self-archiving initiative / Open Access principle
 - Mandates (research funders and universities)

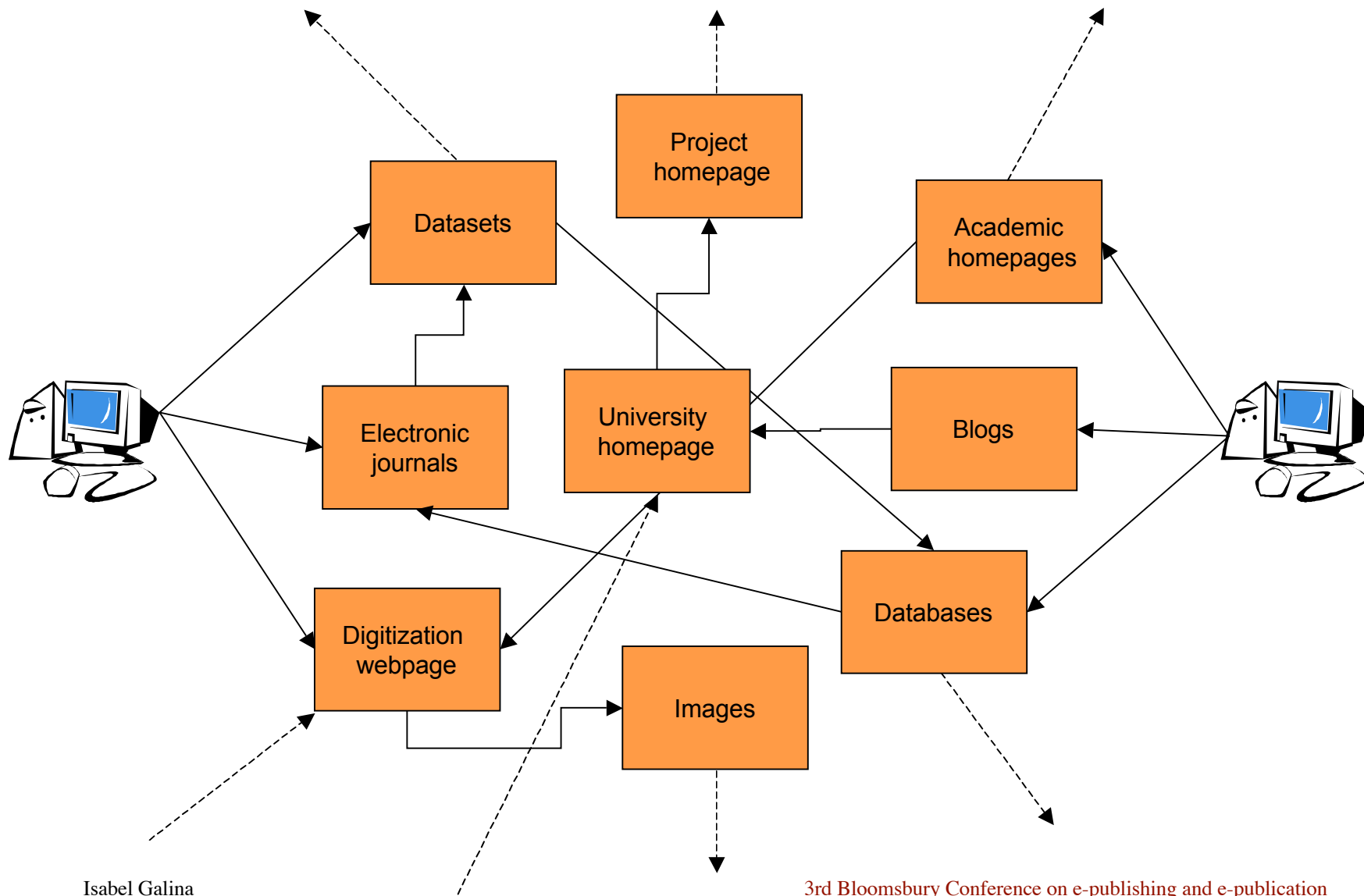


- Repositories
 - National
 - Subject
 - Institutional
 - Departmental

OAI-PMH Repositories



- Simple metadata
- Separation of metadata from digital object
- Any digital object



Isabel Galina



3rd Bloomsbury Conference on e-publishing and e-publication
Beyond Books and Journals

IRs for eprints only?

- Repositories should contain a wide variety of resources (80%)
- Repositories should only contain peer reviewed resources (70% disagree, 12% agree)
 - Administrative documents
 - Conference proceedings
 - Datasets and databases
 - Images, maps, diagrams
 - Learning objects
 - Audio-visual materials and multimedia
 - Patents
 - References/bibliographies
 - Software
 - Theses and dissertations
 - Reports
 - Working papers
 - (from OpenDOAR list)

Content typology for digital resources

- What is ‘digital (research) output’?

<ul style="list-style-type: none"> • Administrative documents • Architectural drawings • Blog posts • Book reviews • Committee papers • Conference power point presentations • Confidential directorate documents • CVs • Departmental newsletters • Digitized materials general • Digitized materials-XML encoded texts • Digital art • Digital photographs • Essays • Exam papers • Executive Orders and Proclamations • Guides/manuals 	<ul style="list-style-type: none"> • Institutional memory types of documents (i.e. historical photos) • Lectures • Magazines • Maps • Musical scores • Newsletters • News reports about research • Photographs and photograph albums • Poetry • Projects/business plans • Promotional flyers • Psychological scales • Raw and processed imagery obtained from satellite and aerial platforms • Raw data generated in projects 	<ul style="list-style-type: none"> • Records of court proceedings • Research memo • Research project proposals • Results of observations • Results of observations and simulations related to publications in peer-reviewed articles (Astronomy & Astrophysics) • Scans of old books. • Student's assignments • State mandated public access materials • Teaching material • Tutorials Syllabus • Speech • Videos • Web pages
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- Administrative documents

- Digitized material

- TLO

- New digital resources

IRs not just for eprints?

- Criteria for accepting resources:
 - *We only take anything that has been peer reviewed*
 - Most non formal publications are not
 - What about pre-prints?
- In practice
 - Difficult to implement (example - we don't take preprints. What about reports? Oh we do take those)
- Indicate peer 'reviewedness'
 - If published with university name
 - IRs take no certifying or validating responsibility
 - Use several indicators to assess quality
 - IRs will be an indicator for non formal?

IRs approaches to handling of non formal digital resources

- Capacity
- Ad hoc basis
- Wait and see

Capacity to handle non formal

- Depositing in separate repository
 - Specialist repository (datasets)
 - Creating separate repository (LO)
- Reasons
 - Different drivers
 - Different handling (dynamic datasets)
 - What is data? (ie. Collected letters of a writer from 19th century under dataset category)

Ad hoc basis

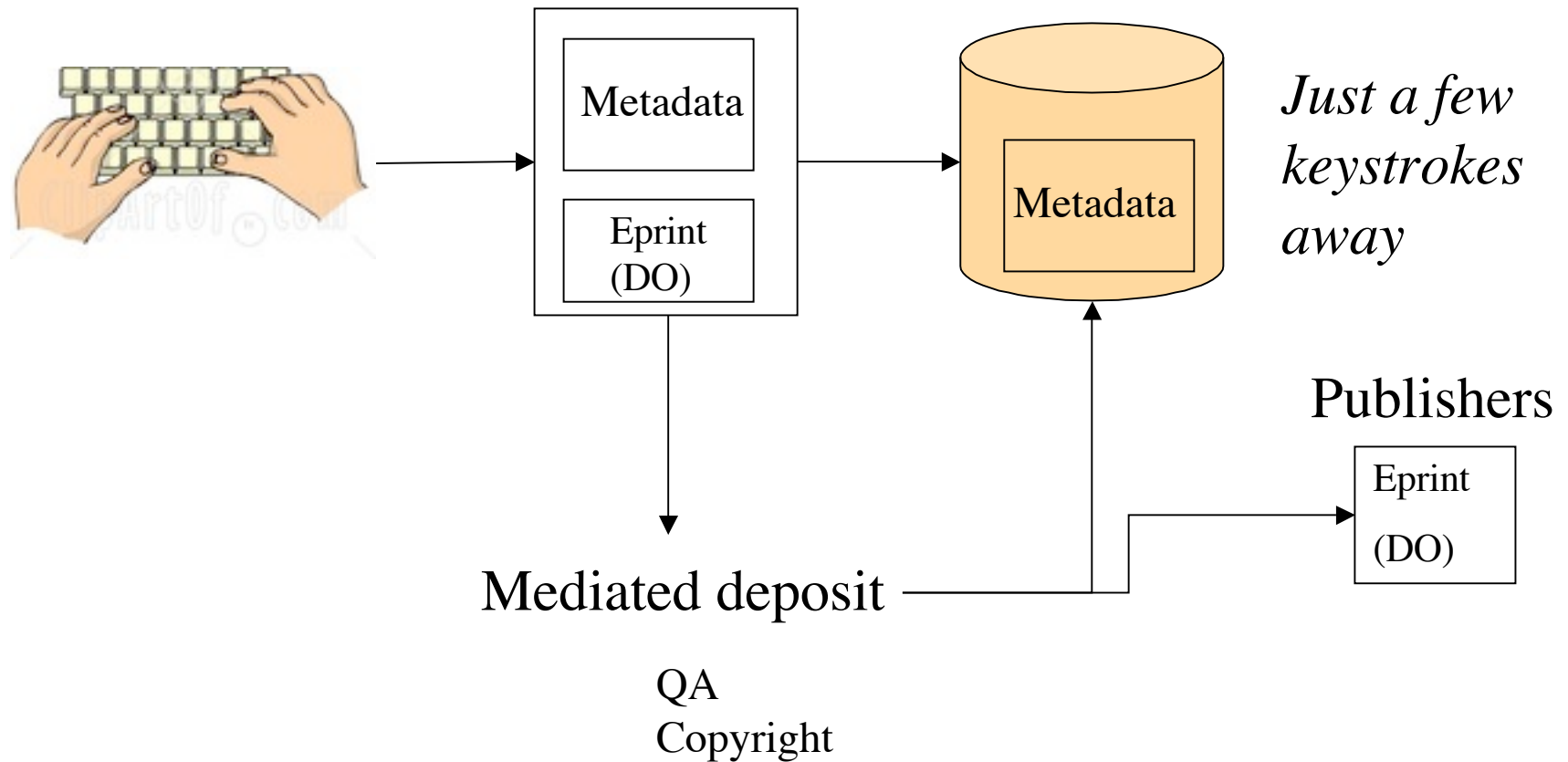
- New type committee decides
 - Pod cast as research output?
- Determined by users
 - Example of avi file that bent peer review only rule

If I had suggested that a year beforehand they would of said 'oh no that is not refereed'. But as soon as one of them appeared on the national news they couldn't put it in the repository fast enough because it is a way of enhancing their profile, boasting about their research.

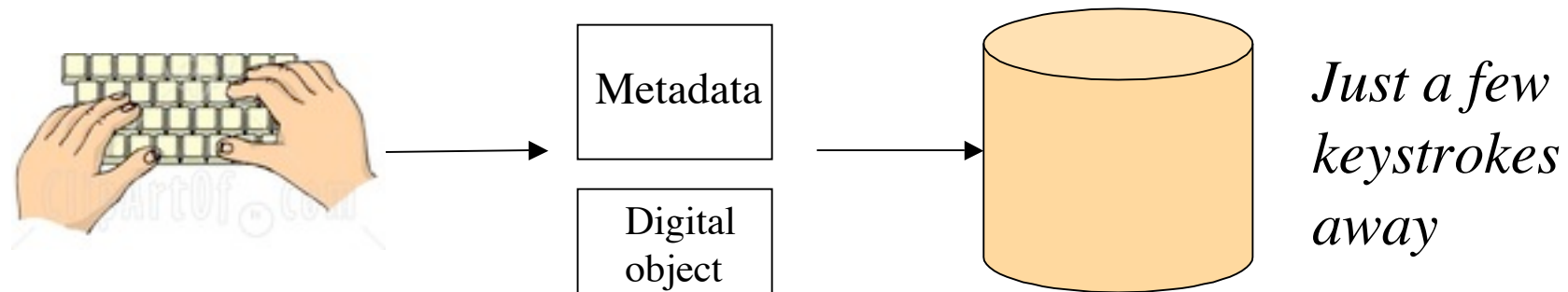
Wait and see approach

- Address selection, ingest, metadata, copyright, access and preservation issues
- Disciplines are being left out
 - There are some departments which are obvious sources for this material (videos, images, audios), which we haven't tackled and we are aware of that*
 - So we are going to have to deal with anything that comes our way but for now we can't really do anything other than basic textual stuff*
 - There is clearly interest and awareness but we know it is a new order of challenges as well*

Item ingest for formal publications



Item ingest for non formal resources



- Multiple deposits (back end deposits) - image database
- Ad hoc approaches
- Specialist metadata
- Copyright issues

IRs at a tipping point?

- Mandates
- Hiring dedicated staff
- Improvements to software
- *The repository is on the edge of the university, doing something that is vaguely important , but that no one quite comprehends*
- *The view that people have of it has changed as well, initially from something unknown to something that is known, half-trusted, half-mistrusted*
- *It changed from something that the university can just let tick along in the background to become something that you need the support as a central service*

Conclusions and further work

- Unmonitored repositories fill up with junk (31% agree, 34% disagree)
- Quality assurance / Certification
 - Eprints (many IRs do not accept preprints)/ only peer reviewed
 - Are IRs generating more traffic towards traditional publishers?
 - IRs glorified bibliographic listings?

Conclusions and further work

- Quality assurance / Certification
 - Non formal
 - How? Case by case basis?
 - IRs develop alternate systems / adopting publisher roles
- Deposit mechanisms
 - Metadata
- Flexibility of IRs and OAI-PMH
 - OAI-ORE (Object Reuse and Exchange)

- Thank you!
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