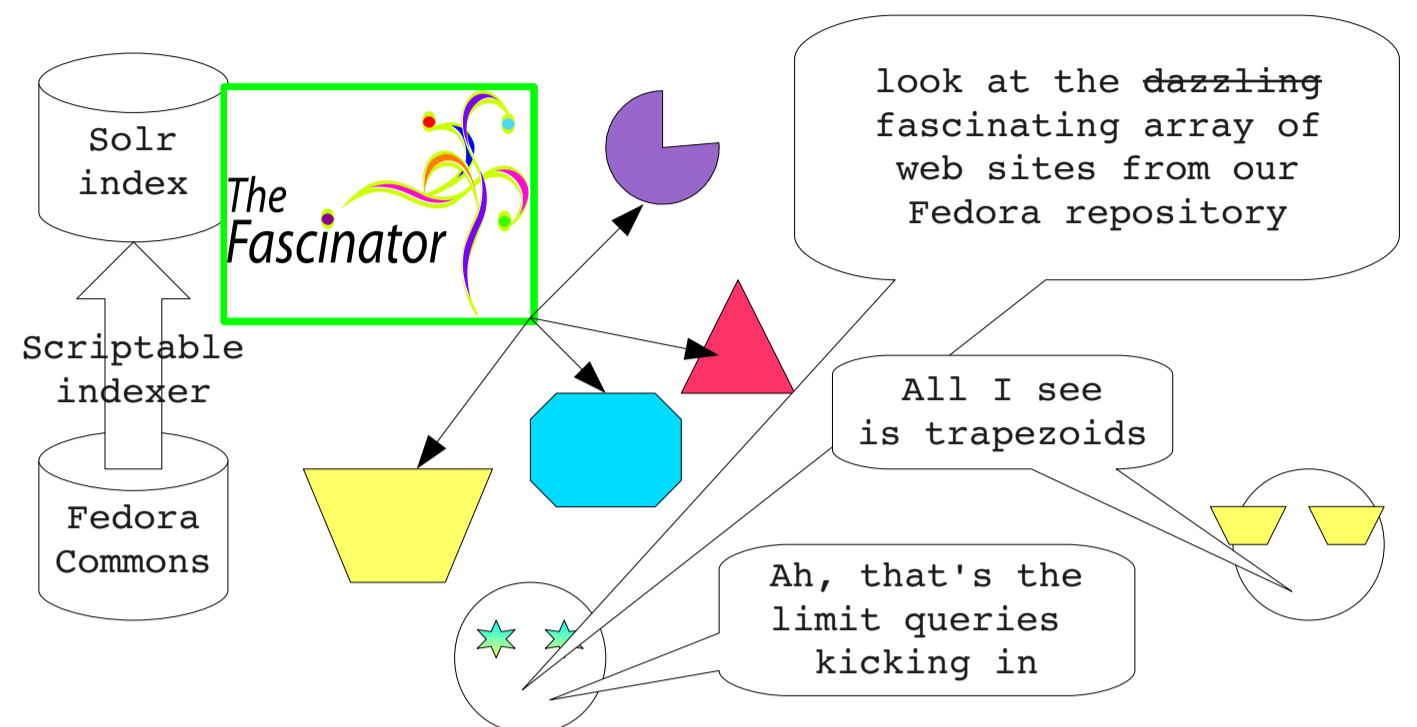


## The server: multiple views for multiple users

Built with [ARROW](#)<sup>i</sup> money on [Apache Solr](#)<sup>ii</sup> and [Fedora Commons](#)<sup>iii</sup>:

- Show multiple web views (portals) from a single repository.
- Demonstrate the benefits of a [Jython](#)<sup>iv</sup> scriptable indexer.
- Show workable access control using limit queries to constrain what user-groups can see.
- Used in:
  - Humanities repository @ [USQ](#)<sup>v</sup>.
  - [Australian IR census](#)<sup>vi</sup>.



## Getting small-scale research onto the data grid



Our goal: Make data management, exploration and routing as easy as PVC plumbing.



But repository standards are not quite as plug-n-play as plastic plumbing just yet.

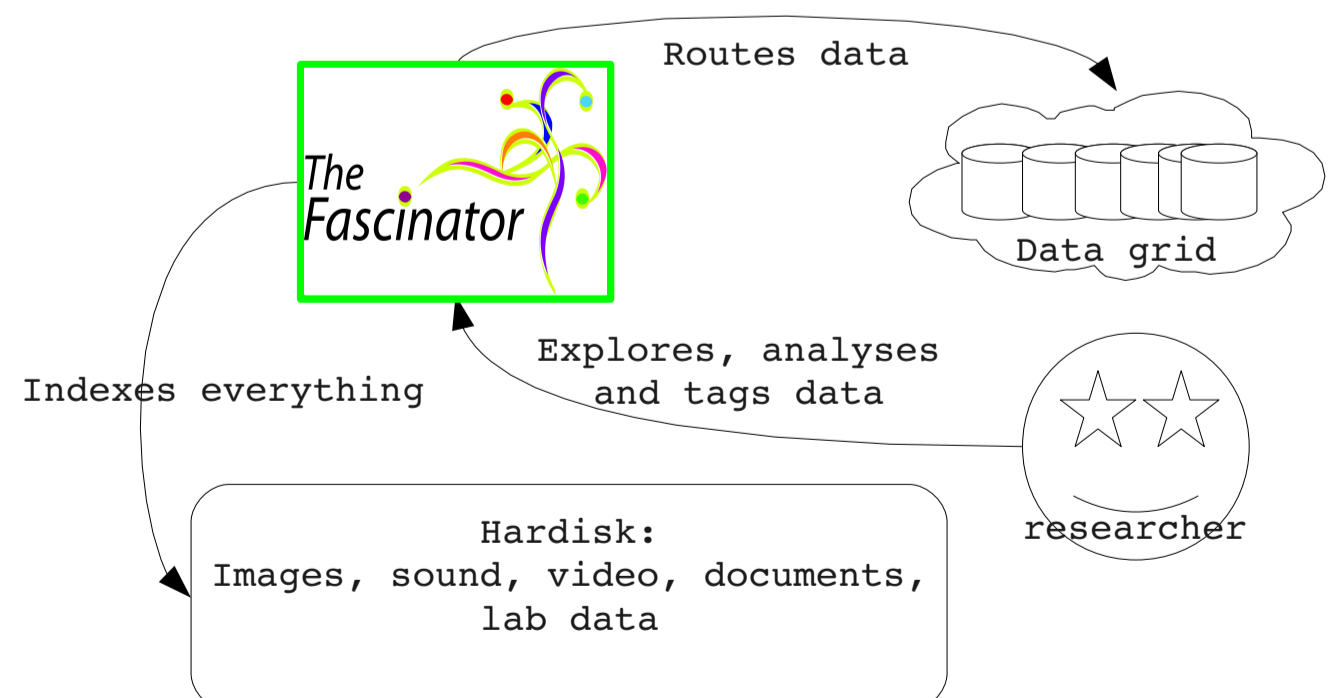
We will be trialling an implementation of [RIF-CS](#)<sup>vii</sup> which is a collection description language designed to allow discovery of data sets.

Other key standards: HTML, [OAI-PMH](#)<sup>viii</sup>, [OAI-ORE](#)<sup>ix</sup>, Atom Archive, [AtomPub](#)<sup>x</sup>, [SWORD](#)<sup>xi</sup>, [FRBR](#)<sup>xii</sup>, [OpenSearch](#)<sup>xiii</sup>, [SRU](#)<sup>xiv</sup>/SRW.

## The Fascinator Desktop: eResearch collector

The Fascinator desktop finds all your stuff:

- Treats directories/folders as metadata in their own right.
- Folksy tagging and formal ontology/taxonomy support.
- Route data to departmental, institutional or global repositories.
- Configurable to deal with ANY data type – automatic conversion.
- Configurable to deal with the way you work.
- Similar ideas: [Lensfield](#)<sup>xv</sup>, [MediaFlux](#)<sup>xvi</sup>.
- Inspiration: [Picasa](#)<sup>xvii</sup>, [DigiKam](#)<sup>xviii</sup> and [FieldHelper](#)<sup>xix</sup> for data management, tagging and upload, MP3 players for browsing, [Yahoo Pipes](#)<sup>xx</sup> for pipiness, [VuFind](#)<sup>xxi</sup> for faceting.



[Peter Sefton](#)<sup>xxii</sup>, Australian Digital Futures Institute, [University of Southern Queensland](#)<sup>xxiii</sup>

i <http://arrow.edu.au/>  
ii <http://lucene.apache.org/solr/>  
iii <http://www.fedora-commons.org/>  
iv <http://www.jython.org/Project/>  
v <http://www.usq.edu.au/>  
vi <http://cairss.caul.edu.au/www/aust-repos-census/aust-repos-census.htm>  
vii <http://globalregistries.org/rifcs.html>  
viii <http://www.openarchives.org/pmh/>  
ix <http://www.openarchives.org/ore/>  
x <http://tools.ietf.org/wg/atompub/>  
xi <http://www.swordapp.org/docs/sword-profile-1.3.html>  
xii <http://www.loc.gov/cds/FRBR.html>  
xiii <http://www.opensearch.org/Home>  
xiv <http://www.loc.gov/standards/sru/>  
xv <http://code.google.com/p/lensfield/wiki/LensfieldCjRoadmap>  
xvi <http://www.arcitecta.com/mediaflux/>  
xvii <http://picasa.google.com/>  
xviii <http://www.digikam.org/>  
xix <http://acl.arts.usyd.edu.au/fieldhelper/>  
xx <http://pipes.yahoo.com/pipes/>  
xxi <http://www.vufind.org/>  
xxii <http://ontologize.me/meta/?r=http://purl.org/dc/terms/creator&o=http://ptsefton.com>  
xxiii <http://www.usq.edu.au/>