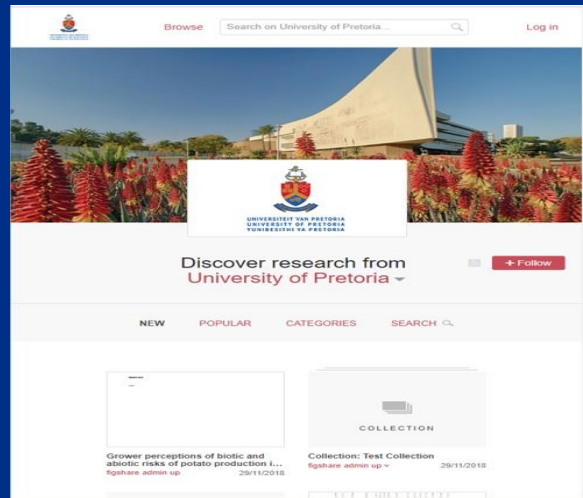




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Figshare Implementation at University of Pretoria

Presented at the Figshare Fest held at the eResearch Africa 2019 conference, on 16 April 2019 at University of Cape Town, Cape Town, South Africa

Presenter: Johann van Wyk



Investigation of Research Data Repository software solutions – University of Pretoria

Product evaluation criteria

- Consulted with various UP stakeholders to obtain their input. Consulted with external stakeholders at the NEDICC workshop held at the CSIR;
- Consulted with peer Universities; and
- Utilised **various selection criteria** from other institutions e.g. Leeds University, Texas Digital Library and the RDA RPRD IG Matrix (<http://tinyurl.com/RPRD-matrix>) selection criteria as a basis and adapted it according to UP specific requirements.

Product Short Listing

- Product scan of products being used internationally; and
- Most commonly used products at universities similar to UP (size and research activity).

Investigation of Research Data Repository software solutions - University of Pretoria

Product Evaluation

- UP's formal Request For Information (RFI) process was followed.
- Product evaluation criteria list was compiled and send to short listed vendors together with standard RFI documentation.
- The requested information was received from the vendors and prepared for scoring.
- Products were scored and evaluated.
- Evaluation went through two rounds: In the second round more focus was placed on Open Source products

Investigation of Research Data Repository software solutions – University of Pretoria

Evaluation Criteria

- Functional / Business criteria: Deposit and Upload; Re-Usability; Identity and Access Management; Reporting; Discovery; Preservation
- Non Functional: Repository Architecture; Data Management; Data Governance
- Technical aspects: Back-end Management; Integration; Infrastructure
- Vendor specific: Support, Training, Usage of Product
- Performance requirements
- Integration requirements
- Costs

Compilation of Project Governance Structure

- Project sponsor
- Project Owner
- Project Manager
- Business Owner
- Business Lead
- Technical Lead
- RDM Steering Committee

Progress on the Implementation of Figshare Research Data Repository at UP

- Technical Kick-off meeting between the UP RDM Task Team with Kay Lino on 21 September 2018
- Setup and Configuration of Figshare Solution in the testing environment (completed)
- We didn't need to do migration or archiving

UP Figshare Repository

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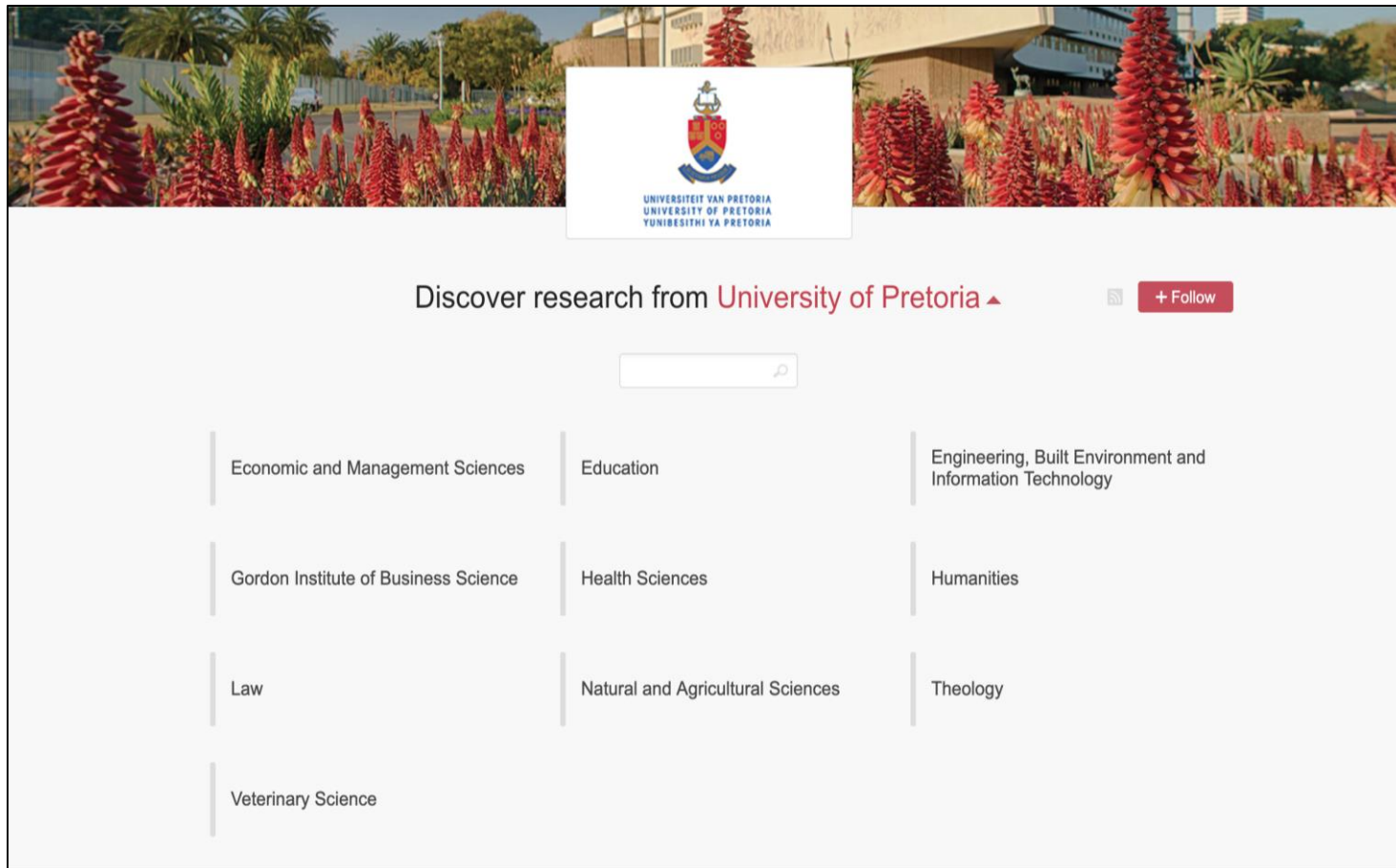
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COLLECTION

COLLECTION

Set-up of Groups (Faculties) Structure



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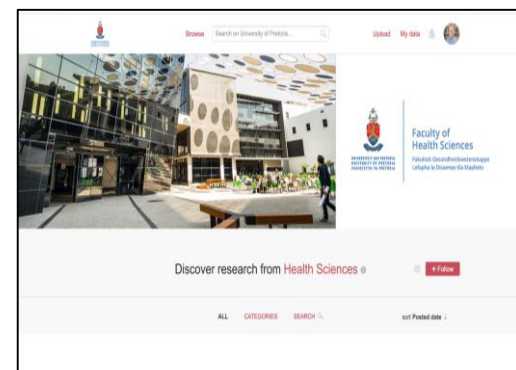
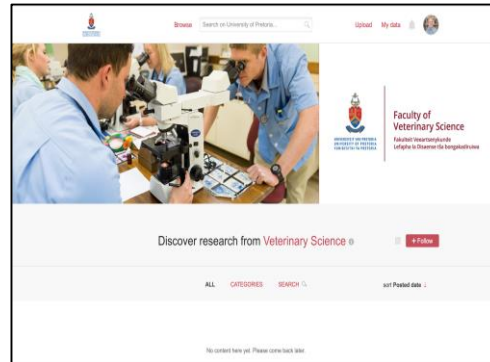
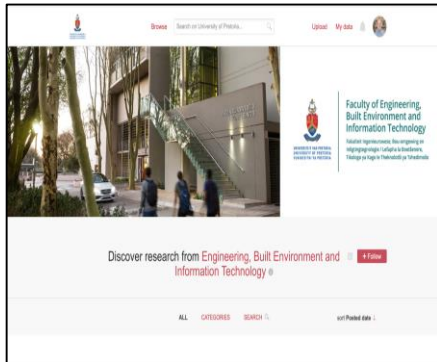
Economic and Management Sciences | Education | Engineering, Built Environment and Information Technology

Gordon Institute of Business Science | Health Sciences | Humanities


Law | Natural and Agricultural Sciences | Theology

Veterinary Science

Updating each Faculty's banner (look and feel) by Dept of University Relations (DUR)



Integration for Authentication through SAFIRE has been completed and tested by Dept of ITS

Personal information transfer notice 

Afrikaans | English | isiXhosa | IsiZulu

You are about to log into figshare (staging). This service is operated by figshare LLC.


This service describes itself as: *Figshare is a research data management & dissemination platform that helps researchers & institutions get credit for all of their research.*


figshare (staging) requires that your personal information (see below) be transferred from University of Pretoria TEST. Are you willing to send this information?

Privacy policy for the service figshare (staging).

Information that will be sent to figshare (staging)

Surname	Van Wyk
Given name	Barend
Mail	johann.vanwyk@up.ac.za
Affiliation at home organization	<ul style="list-style-type: none">• staff@up.ac.za• member@up.ac.za• employee@up.ac.za• alum@up.ac.za
Persistent service-specific pseudonym	<input type="text"/> [for https://login.figsh.com/shibboleth]

 If there are any errors in your personal information, please contact the administrator of your identity provider (University of Pretoria TEST) or your IT help desk.

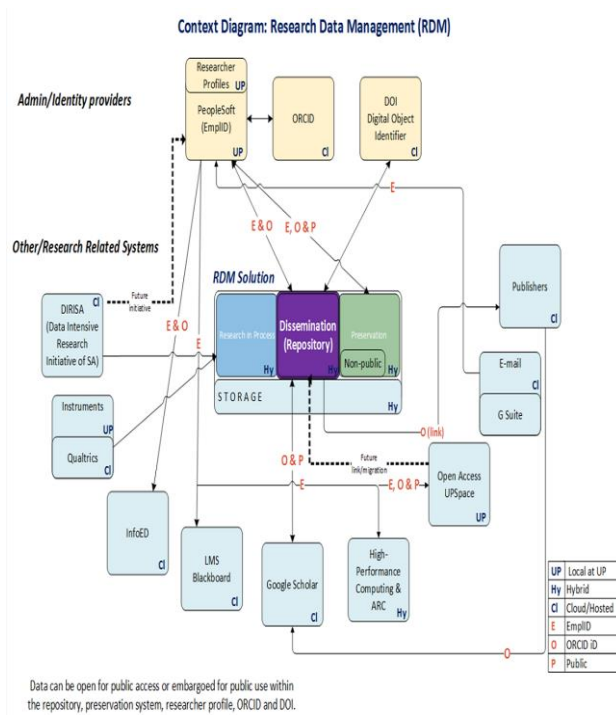


Testing of Figshare

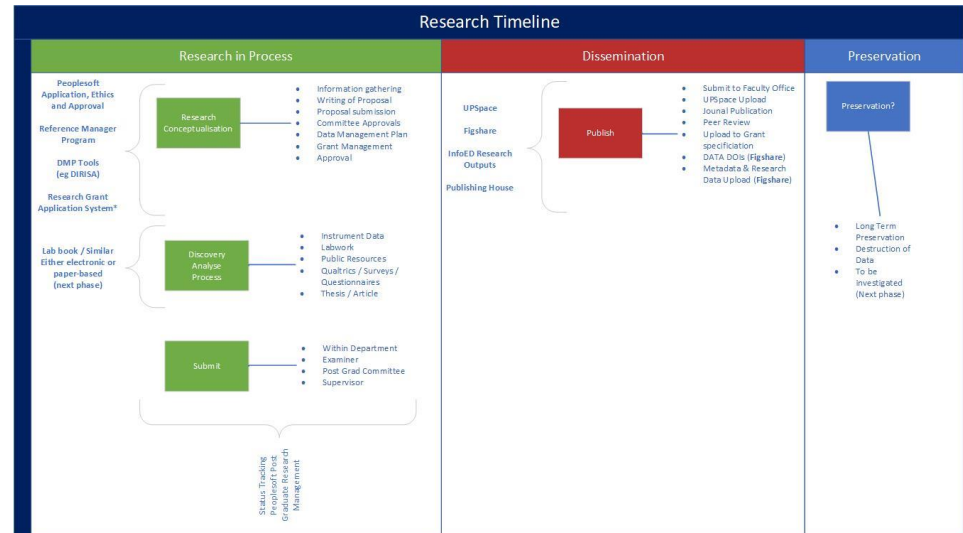
- **Internal testing** to upload Research Data by ITS and Library Services have been completed.
- **Pilot Testing** of Figshare:
Bioinformatics have done some pilot testing and researchers from Potato Pathology is also currently testing this

Mapping the Process Workflow

Research Data Management (RDM) Process Flow Document (mapping the various systems at UP that will interface with Figshare) –drafted by ITS and reviewed one of our academics

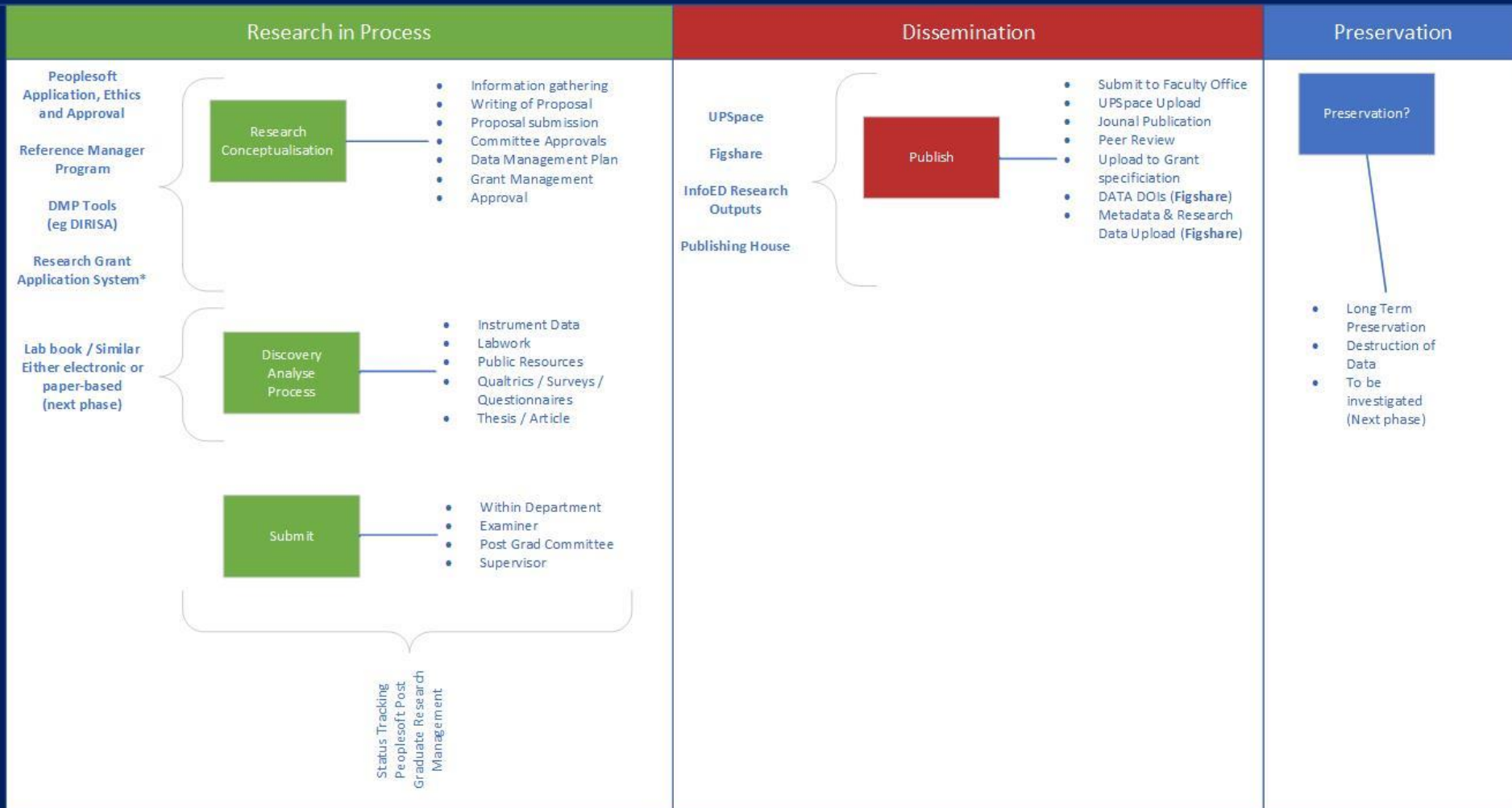


Process Flow Strategy – High Level Steps



Process Flow Strategy – High Level Steps

Research Timeline



*System not yet in production

Set-up a Communication Plan (in process)

- Promote Figshare in campus publications
- Development of a Marketing Video in collaboration with Dept of University Relations (in process)
- Personalised e-mail from Vice Principal for Research and Innovation's office to targeted audience
- Market the system via a roadshow to each faculty by staff from Library Services and ITS together with Vice Principal for Research and Innovation. This will include an explanation of the whole ecosystem of systems that support the research process including Figshare, and how this will align with the UP RDM Policy.

Next steps

- Training of admin users
- Determine quota (size) of uploading data per user (ITS)
- Determine DOI suffix (RDM Steering Committee)
- Determine the name of the Repository (RDM Steering Committee)
- Planning of a Roadshow to Faculties (in process)
- Planning of training of researchers & support staff (RDM Readiness Training Toolkit) (in process)
- Compile training material for researchers (in process)
- Smaller customisations such as specifying Terms, Licenses, Helpdesk Links/email, and footers (in process)
- In future we will still need to sync Cloud and Local Storage



Thank you