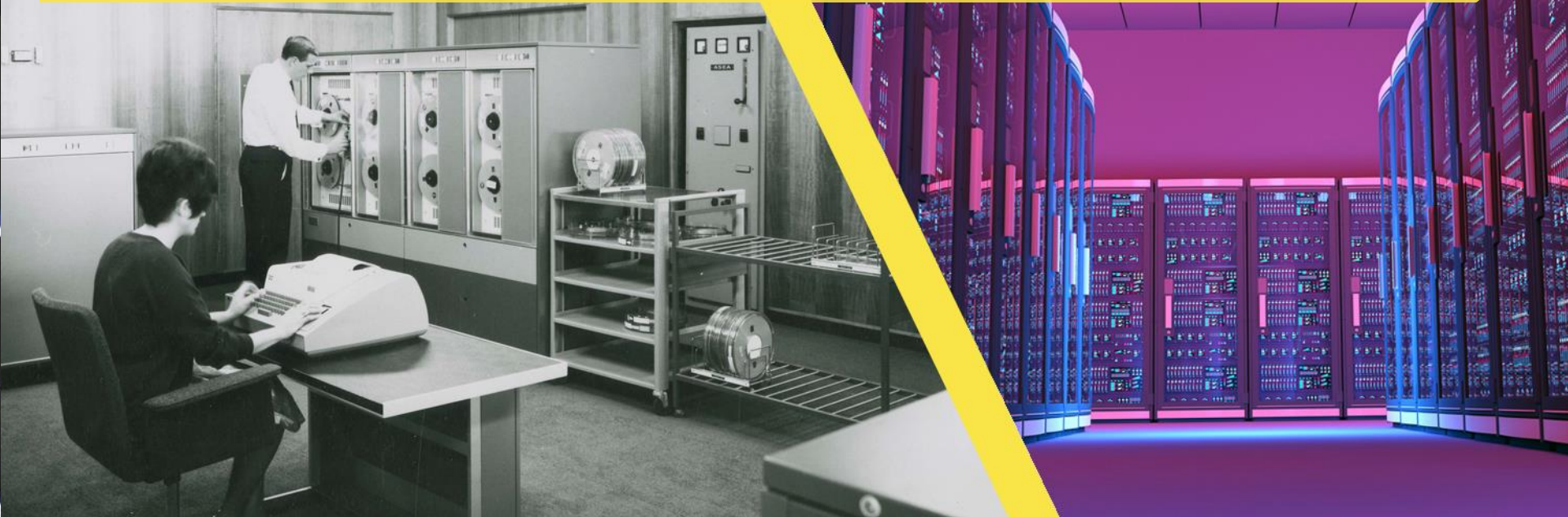


POST (modern) design

An integrated web platform for our records and researchers

Julie McCormack, Owen O'Neill & Kate Follington



About the speakers



Julie McCormack
A/g Senior Manager, Government
Recordkeeping



Owen O'Neill
Program Manager, Digital Archive Program



Kate Follington
Coordinator, Communications and Online Engagement



Agenda

1. Introduction

About PROV, our current work and collection

2. Conceptual foundation (Julie)

Archival Control Model, arrangement and preservation

3. Technology (Owen)

POST systems, integration and architecture

4. Access (Kate)

Researching, ordering and locating records

About PROV

- Victorian State Government archive
- Established in 1973 with records dating back to 1830s
- First Digital Archive implemented in 2003
- Funding received in 2015 to renew key systems



VICTORIAN
ARCHIVES
CENTRE

Our collection at a glance

AGENCIES

~4,500

RECORD
SERIES

~18,500

FUNCTIONS

~400

PHYSICAL
ITEMS

*~7.5mil
95km*


BORN DIGITAL
ITEMS

~600k



Conceptual foundation for documenting records and context



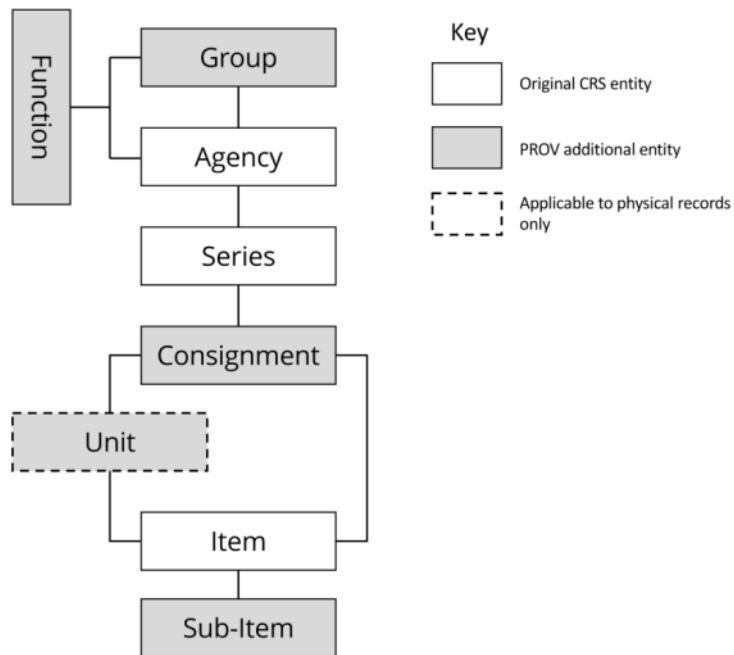


PROV has revised its conceptual approach to archival description and digital preservation and we're updating our technology accordingly.

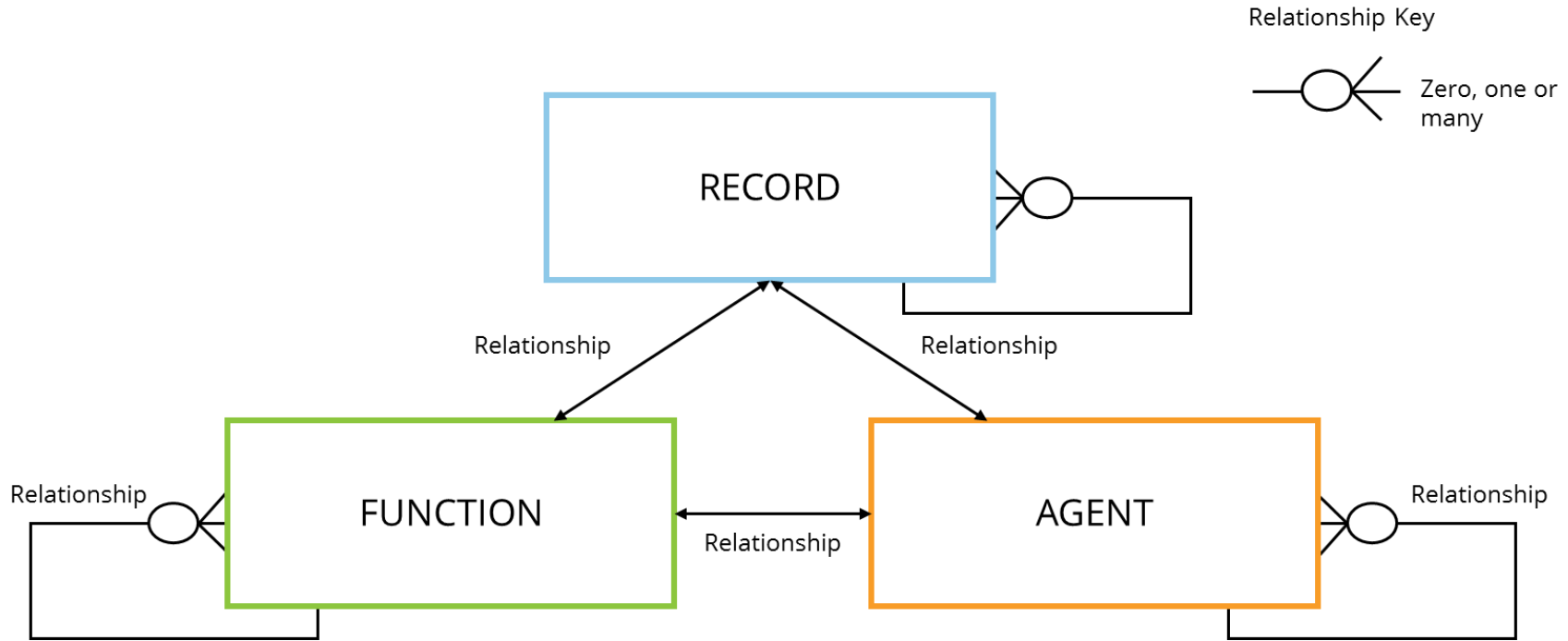
- Revised Archival Control Model (RACM)
- New flexible requirements for the preservation and encapsulation of digital records



Previous model



New model



Entity types

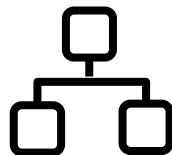
RECORD

- Record series
- Record item



FUNCTION

- Function
- Term



AGENT

- Agency
- Person



Entity relationships

Relationship types for **RECORD** entity

| | |
|--------------------------|---|
| Record / Record | Controlled by / Controls Previous / Subsequent Contains / Is part of Related |
| Record (Series) / Agency | Recorded by Responsible (control relationship) Transferred by In Custody of |
| Record / Function | Documents Generates / Generated by |

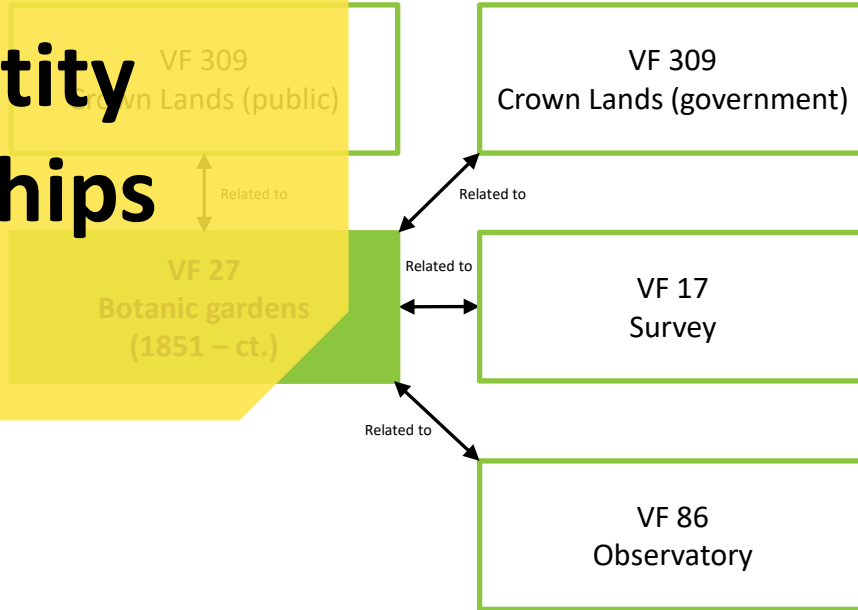
Relationship types for **FUNCTION** entity

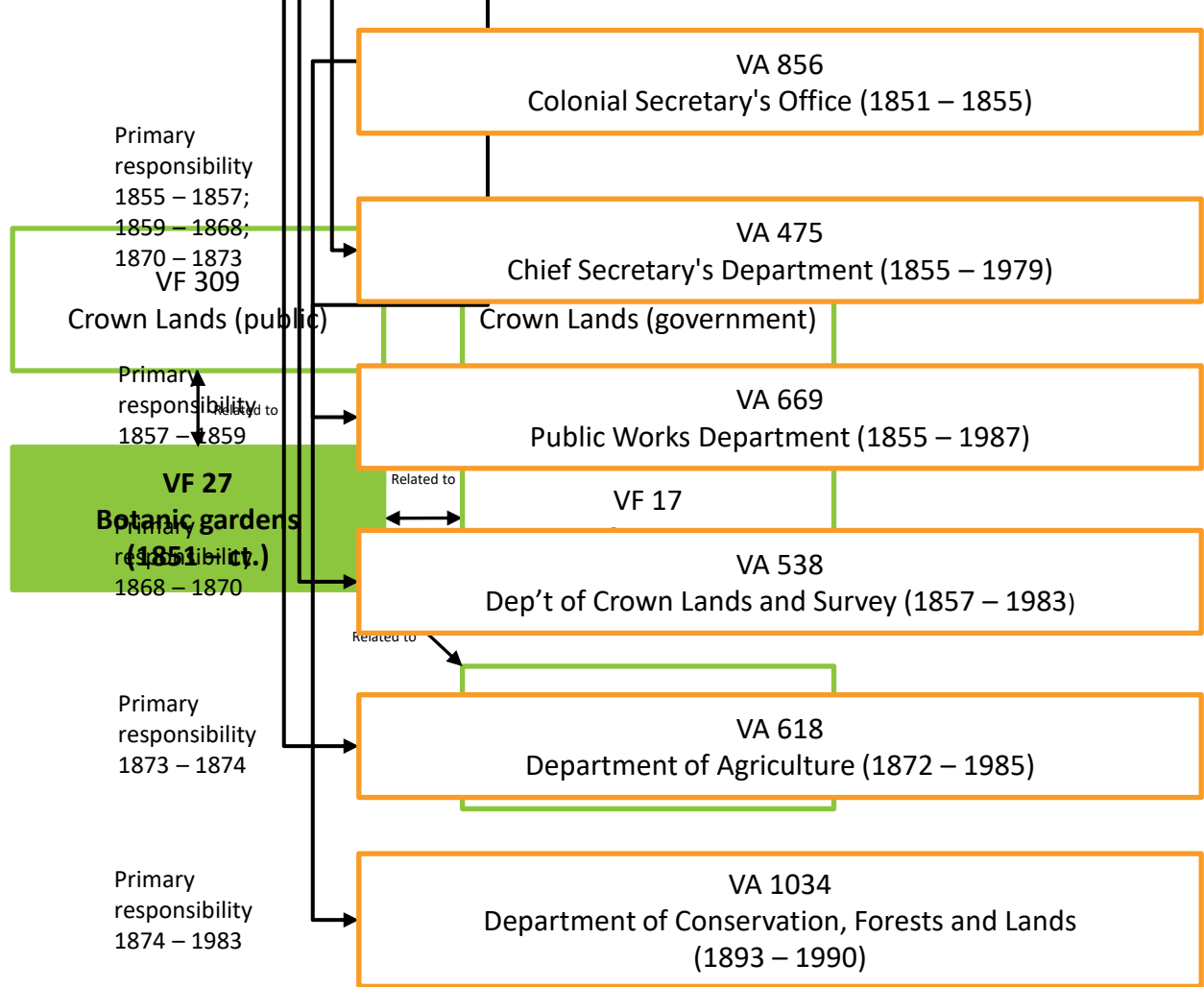
| | |
|---------------------|---|
| Function / Function | Broader / Narrower Previous / Subsequent Related Use for |
| Function / Agent | Primary responsibility Secondary responsibility |
| Function / Record | Generates / Generated by Documents |

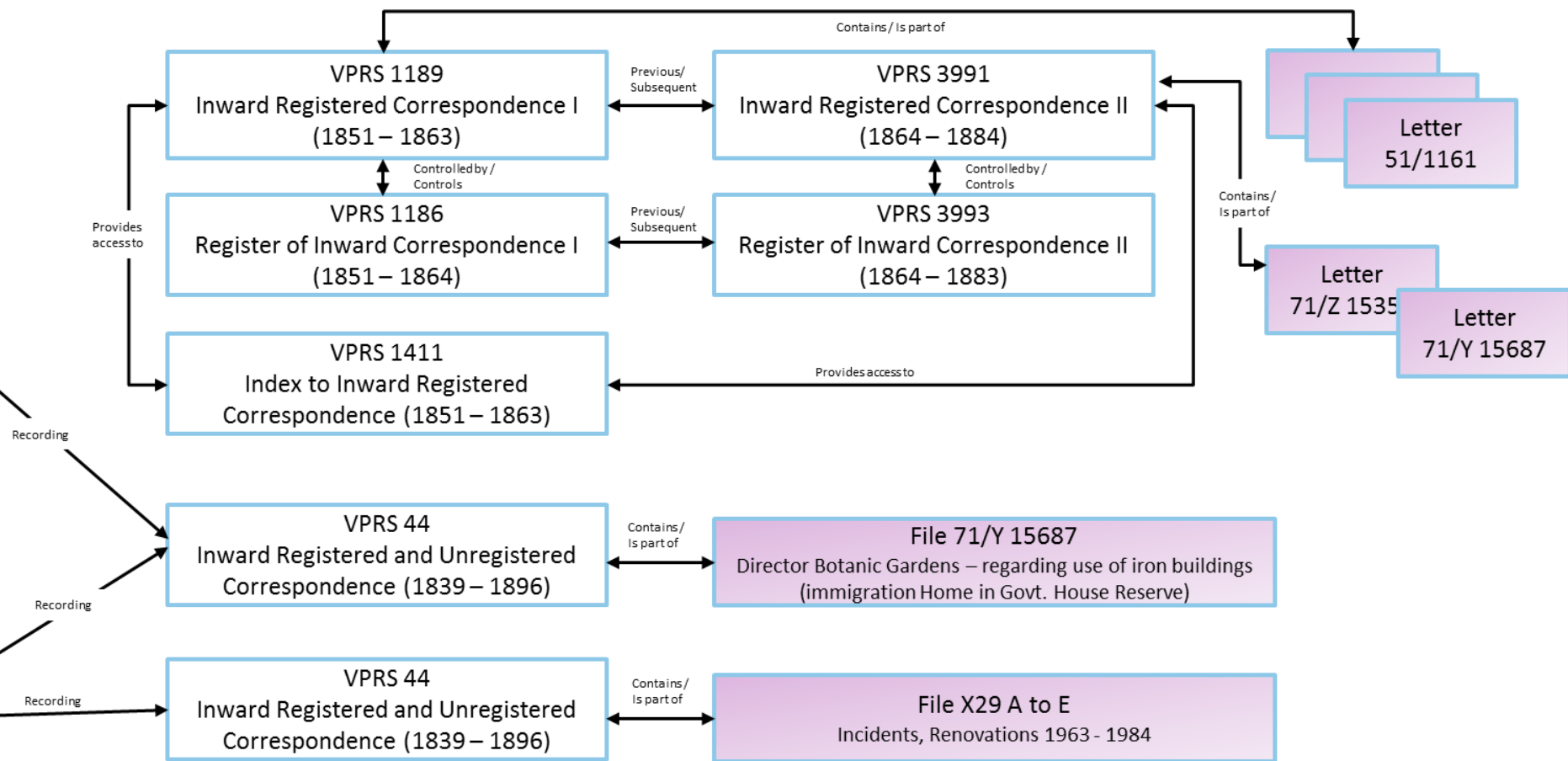
Relationship types for **AGENT** entity

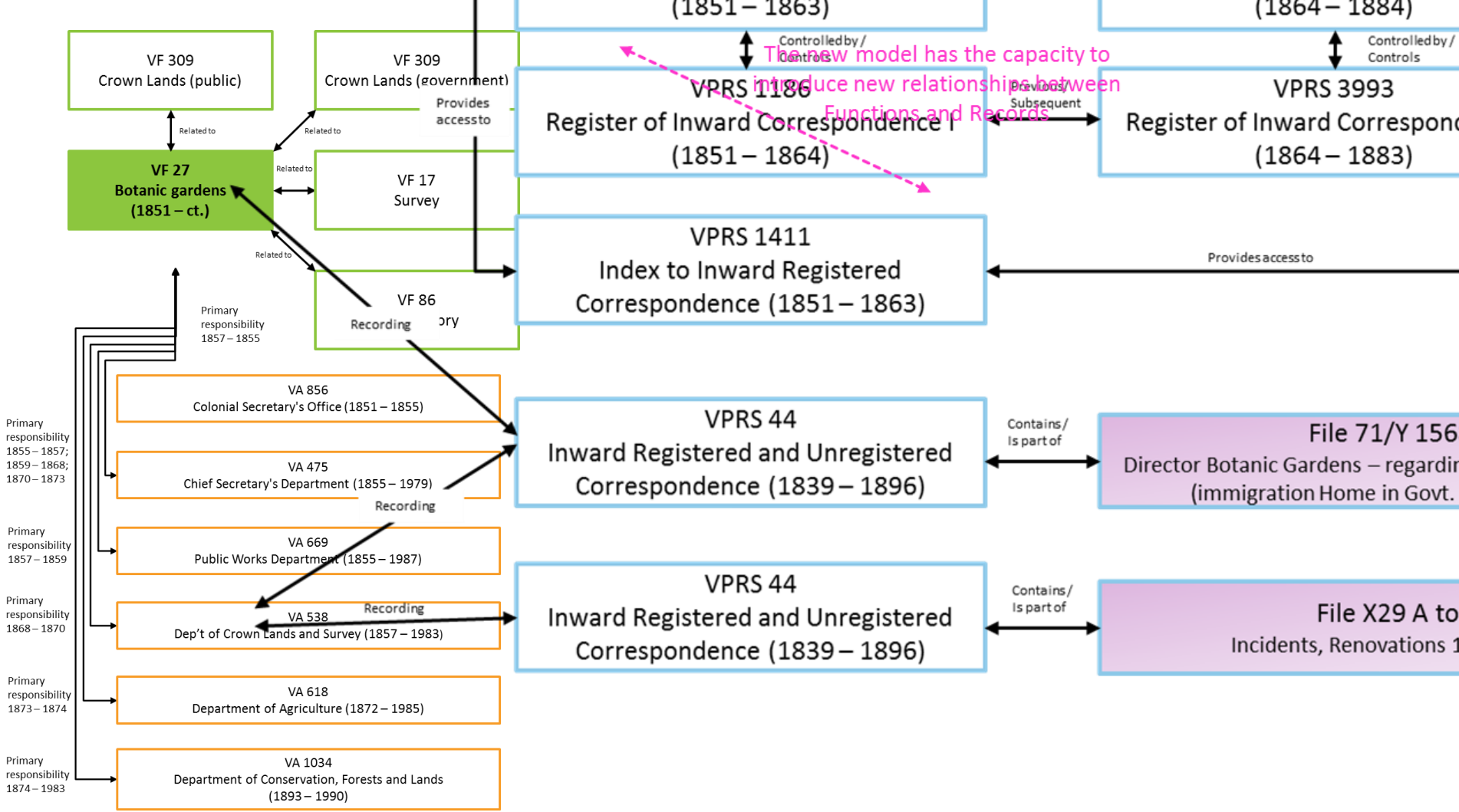
| | |
|-----------------------|---|
| Agent / Agent | Previous / Subsequent Superior / Subordinate Contains / Is part of Includes / Is a member of |
| Agent / Record Series | Recording Responsible for |
| Agent / Function | Primary responsibility Secondary responsibility |

Demonstration of the entity relationships

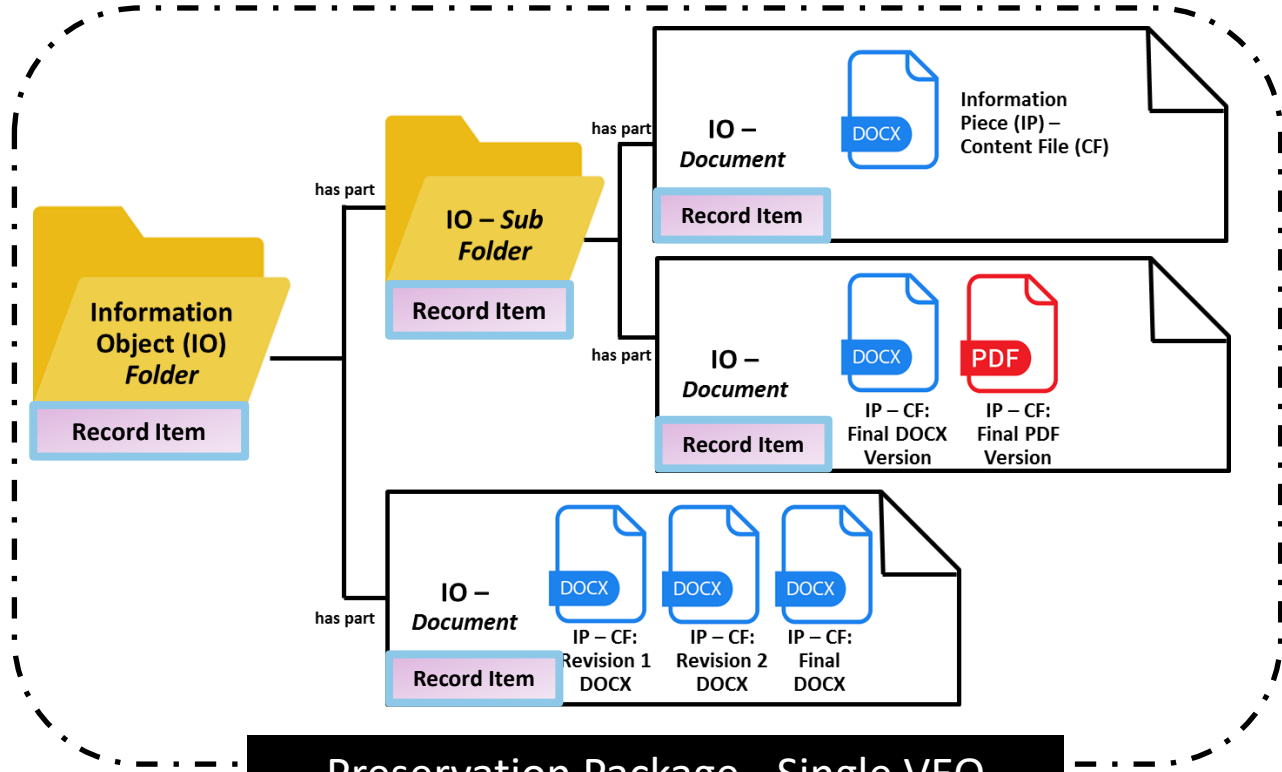
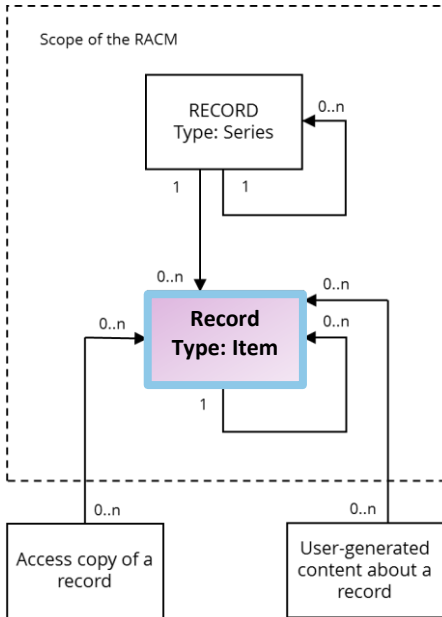








Record entity – Digital



Preservation Package - Single VEO

Metadata scope and principles

Scope

- ACM Entities
 - Agents – Agency, Person
 - Records – Series, Items
 - Functions & Terms
- Archival Management (access, disposal, etc.)

Principles

- ✓ Consistency with Australian Series System and other schemas
- ✓ Support key PROV business practices
- ✓ Preserve our data asset (backwards compatible)
- ✓ Flexibility and extensibility

Metadata for describing records

Mandatory metadata includes:
Agent, date, identifier, security
classification information.

Other metadata includes:
Disposal, description and format.

Digital Records (VEOs) can have
either:

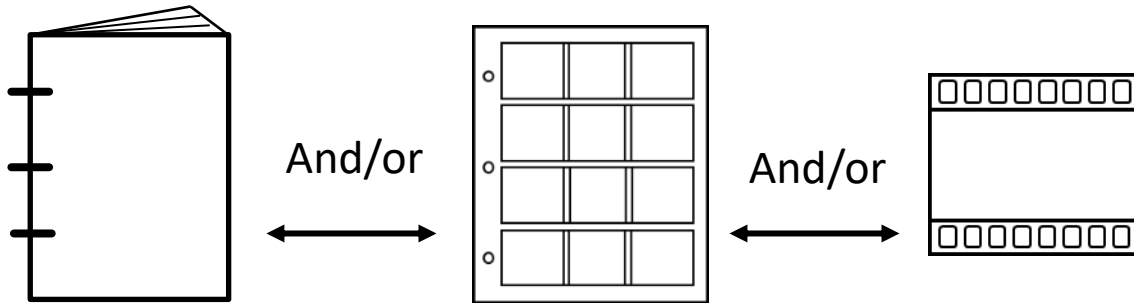
- AGLS; or
- AS/NZS 5478

Plus additional agency metadata
packages can be added to the VEOs to
provide more context.

Enhanced description

Our new model:

- ✓ Provides more flexibility in describing digital and physical records
- ✓ Allows us to assign more labels to data, e.g. dates, admission date, meeting date are all possible
- ✓ Permits any level of description, e.g. a physical photograph album:



Implementing new technology and systems across PROV



The POST in POST Modern

POST = PROV Operational Systems Transformation program

Commenced late 2015, due for completion 2020

Objective 1: integrate archival data with contextual information about the collection

Objective 2: Describe the collection using a model and structure that enables flexibility

Overview of POST program

PRESERVE

PHYSICAL
COLLECTION



DIGITAL
COLLECTION



MANAGE

ARCHIVAL MGMT
SYSTEM

DIGITAL ARCHIVE
MGMT SYSTEM

WAREHOUSE
MGMT SYSTEM

PERSISTENT
IDENTIFIER SERVICE

IDENTITY AND ACCESS MGMT SYSTEM

ACCESS

WEBSITE

API
GATEWAY

SEARCH
ENGINE

SAMS

PAYMENT
SYSTEM

CROWD-
SOURCING

TRANS-
SCRIPTION

IMAGE
VIEWER

RECORD
REQUEST

USE

PUBLIC



GOV'T



RESEARCH
COMMUNITY



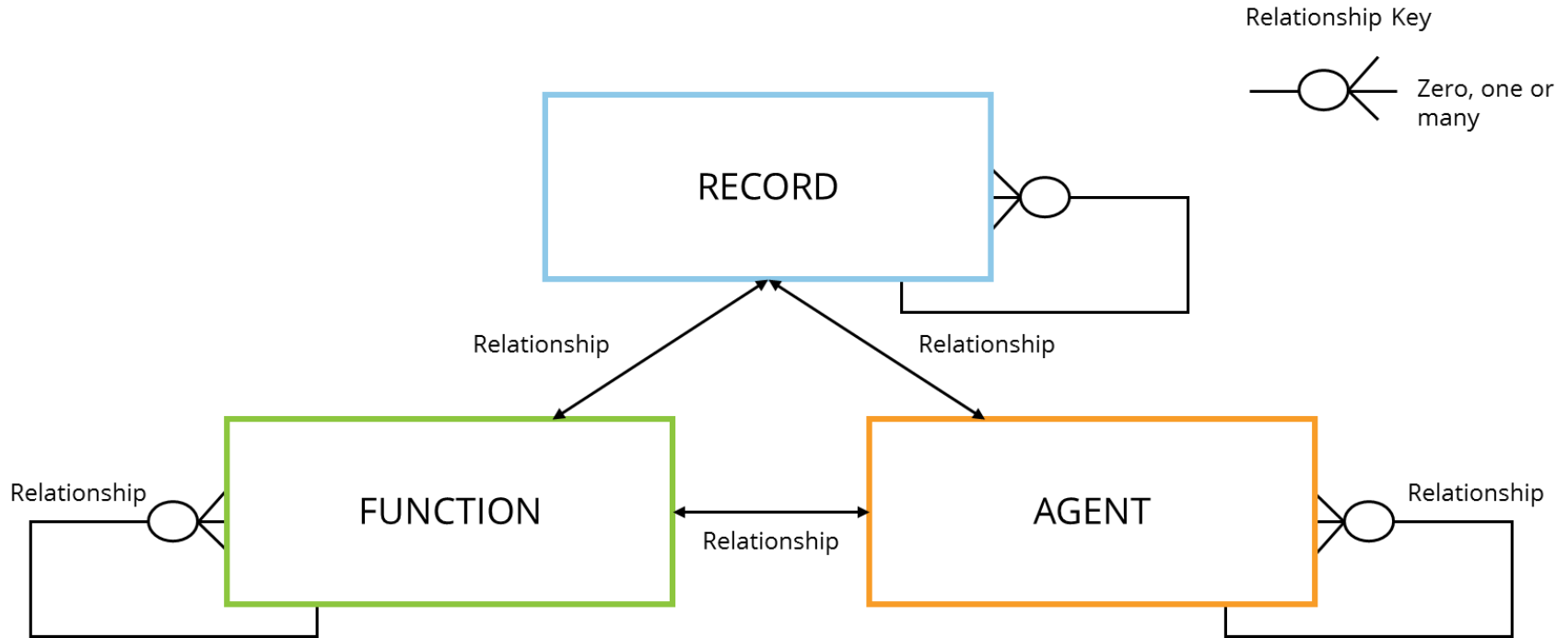
PEER
ORG'S



Key data sources

| System | Function | Application |
|--|----------------------------|------------------------------|
| AMS (Archival Management System) | Archival documentation | Collective Access |
| WMS (Warehouse Management System) | Location management | Made4Net |
| Request and Pay | Ordering, payment, etc. | Open Cart + custom interface |
| SAMS (Secondary Asset Management System) | Additional contextual info | Fedora Commons |

Back to the new model



A semantic view of the systems and data



ACM is semantic web-like

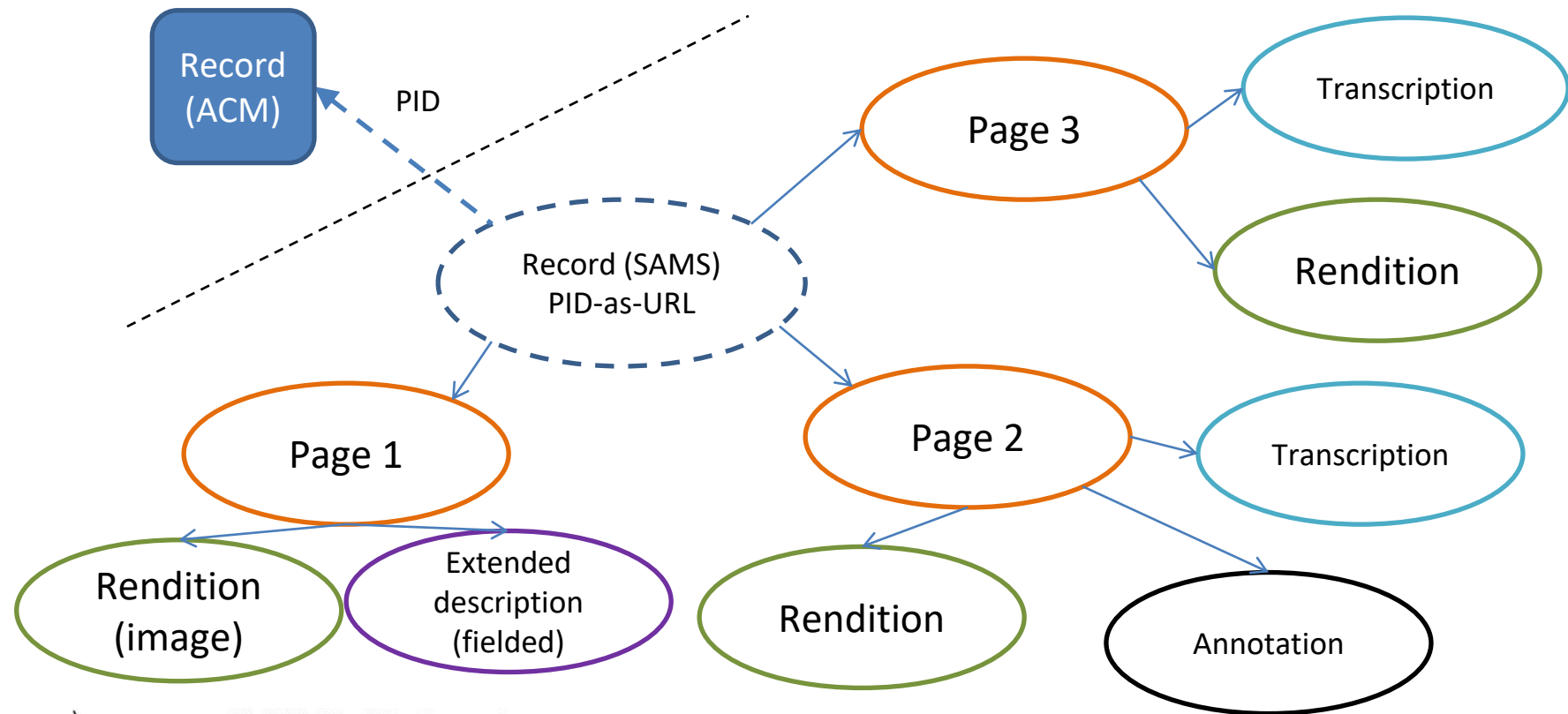
- Relationships between archival **Entities** are defined consistently
- Relationships between archival **Entities** and **additional contextual information** are defined consistently
- Persistence is key



Some key technologies we've used:

- Handles: Persistently identify archival entities
- RDF (Resource Description Framework): structures contextual information about records
- IIF (International Image Interoperability): Digitised content

SAMS: Linking contextual data to the ACM



Bringing it together: Drupal interface



Online catalogue
Data from AMS



Record display
Data from SAMS

Challenges

- Small organisation, big responsibilities
- Implementing semantic web technologies in an archival context: it's hard!
- Limited expertise in underlying technologies and standards
- Storage infrastructure: small (8TB), but high value
- IT support: what to insource and what to outsource??
- Scope change. A lot :S



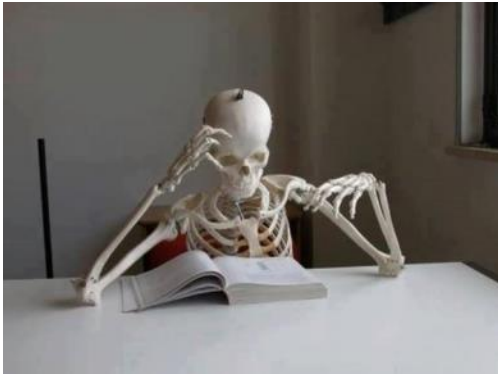
Helping researchers search and locate records







Many researchers are not looking for one record, they're looking through many records over a long period of time.



8 units or 8 records



Remove unit?



Housing Commission of Victoria

Agency

1938 - 1983 VA 508

About

Record series

Functions

Related agencies

This agency either created or has been responsible for the following record series.



Keyword search...

Filter results Sort results Show 10 entries

| Record series title | 1940 - 1973 | VPRS 1822 | Created series | Open |
|--|-------------|-----------|----------------|------|
| Personnel Branch - Personal History Files (RETURNED 2016) | | | | |
| Minutes of Meetings | | | | |
| Contract Documents, Architectural and Engineering | | | | |
| Register of Secretary's General Correspondence Files, Alpha-Numeric System | 1940 - 1973 | VPRS 1822 | Created series | Open |
| Secretary's General Correspondence Files, Alpha-Numeric System | 1940 - 1973 | VPRS 1811 | Created series | Open |
| Minutes - Utility Services Advisory Committee | 1943 - 1954 | VPRS 8210 | Created series | Open |
| Minutes - Co-ordination Committee | 1940 - 1958 | VPRS | Created series | Open |



| | | |
|--|-------------|-----------|
| Register of Secretary's General Correspondence Files, Alpha-Numeric System | 1940 - 1973 | VPRS 1822 |
| Secretary's General Correspondence Files, Alpha-Numeric System | 1940 - 1973 | VPRS 1811 |

Secretary's General Correspondence Files, Alpha-Numeric System

Record series

1940 - 1973 VPRS 1811 North Melbourne Open

About Record items Record groupings

Below is a list of record items contained within this record series.

Keyword search...

Filter results Sort results Show 10 entries

| Record title | Date range | Format | Public access |
|---------------------------|------------|----------|---------------|
| A1 - A7 | - | physical | Open |
| A7 - A17 | - | physical | Open |
| A17 - A20 | - | physical | Open |
| A21 - A22 | - | physical | Open |
| A24 | - | physical | Open |
| A25 - A31 | - | physical | Open |
| A32 | - | physical | Open |
| A33 - B3 | - | physical | Open |
| B4 - B7 | - | physical | Open |
| B8 - B15 | - | physical | Open |

Page 1 of 13 Showing 1 to 10 of 129



What about context?
Agency: Housing Commission Victoria



*What happened to unit?
Hmm...8 records at a
time...and I'm still on A*

Design for the future and for today

The screenshot shows a public record interface with several red circles highlighting specific elements:

- Box: 000 222**: A label at the top left of the record box.
- Office of the Valuer-General**: The name of the office, accompanied by a location pin icon for North Melbourne.
- Hide Contents of Box**: A green button with an upward arrow, used to collapse the record list.
- Agency (23)**: A filter category in the 'Filter Results' section, highlighted with a red circle.
- Office of the Valuer-G**: The office name in the record details section, also highlighted with a red circle.

The interface includes a record list with titles like "Flinders Streets: A - E Flinders Southern Urban Division", a filter sidebar with categories such as "Open records (1098)", "Closed records (100)", "Series (0123)", "Agency (23)", and "Function (123)", and a details panel for a selected record showing "Sort by", "Show 10 entries", and a "Select record +" button.

Questions?

More information:

<https://www.prov.vic.gov.au/>

Slide images:

Melbourne Harbor Trust Photographic Collection
(VPRS 8357)

<https://flic.kr/s/aHsmEpXxmJ>

