

PCDM Overview

NE-FUG 2025-05-11

PCDM

Flexible, extensible model that can underlie a wide array of repository and DAMS applications

Primary goal is basic framework for interoperability

Built to satisfy basic and complex use cases

Data Modeling

W3C has produced LDP

- **Linked Data Platform**

Cross-community design has produced PCDM

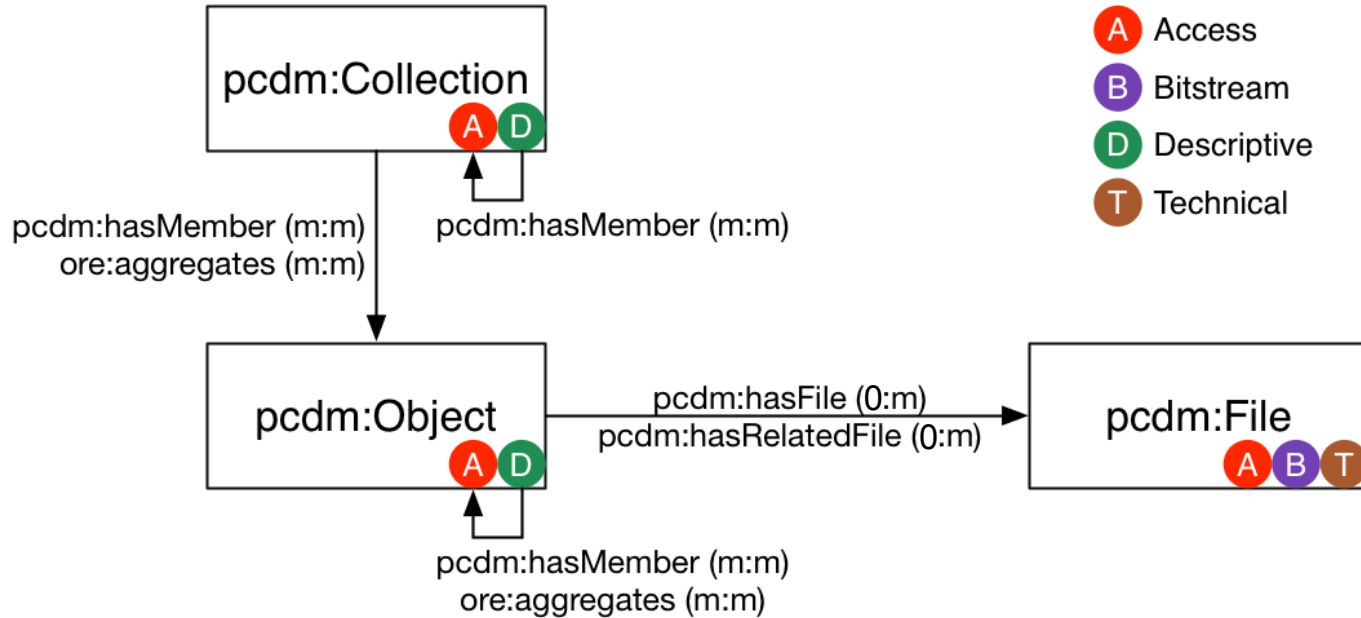
- **Portland Common Data Model**

PCDM combines common ontology with LDP interaction

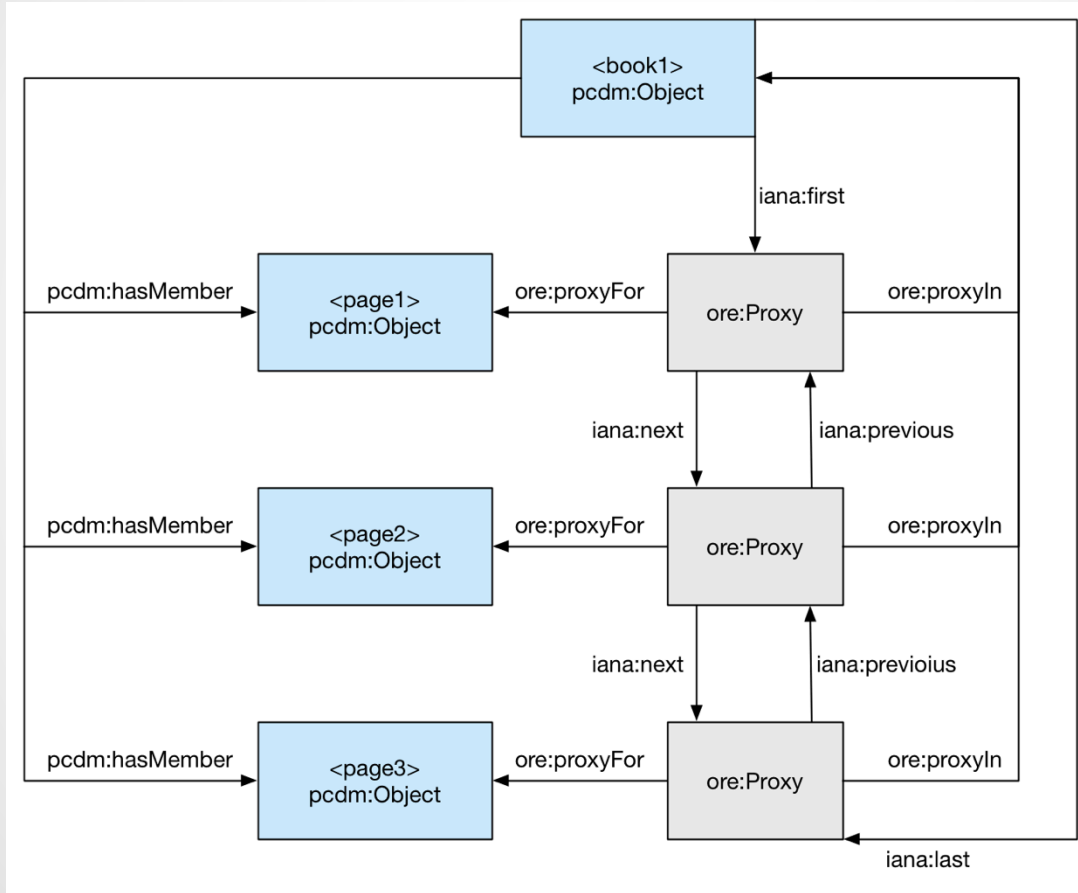
Namespaces

Prefix	URI
acl	http://www.w3.org/ns/auth/acl#
dc	http://purl.org/dc/elements/1.1/
dcterms	http://purl.org/dc/terms/
pcdm	http://pcdm.org/models#
foaf	http://xmlns.com/foaf/0.1/
gen	http://www.w3.org/2006/gen/ont#
iana	http://www.iana.org/assignments/relation/
ldp	http://www.w3.org/ns/ldp#
ore	http://www.openarchives.org/ore/terms/
rdfs	http://www.w3.org/2000/01/rdf-schema#

Portland Common Data Model



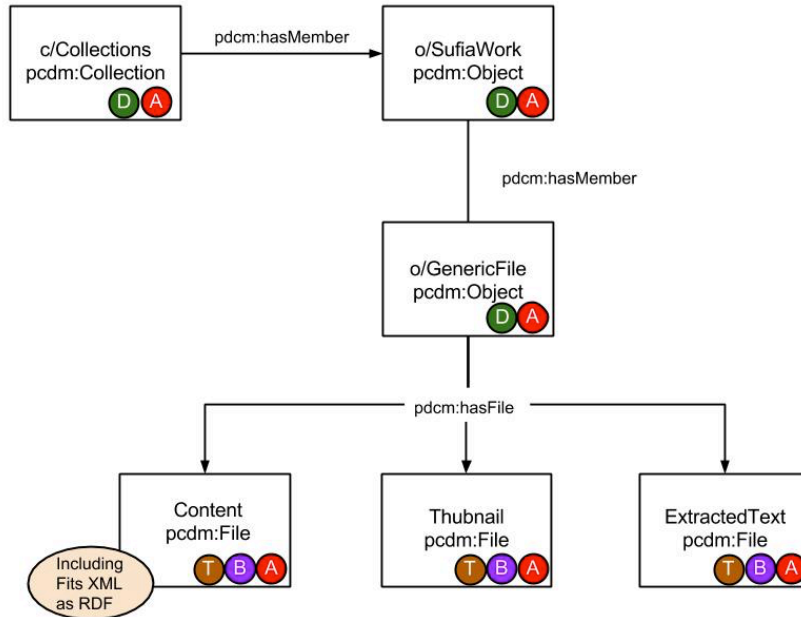
PCDM Ordering Extension



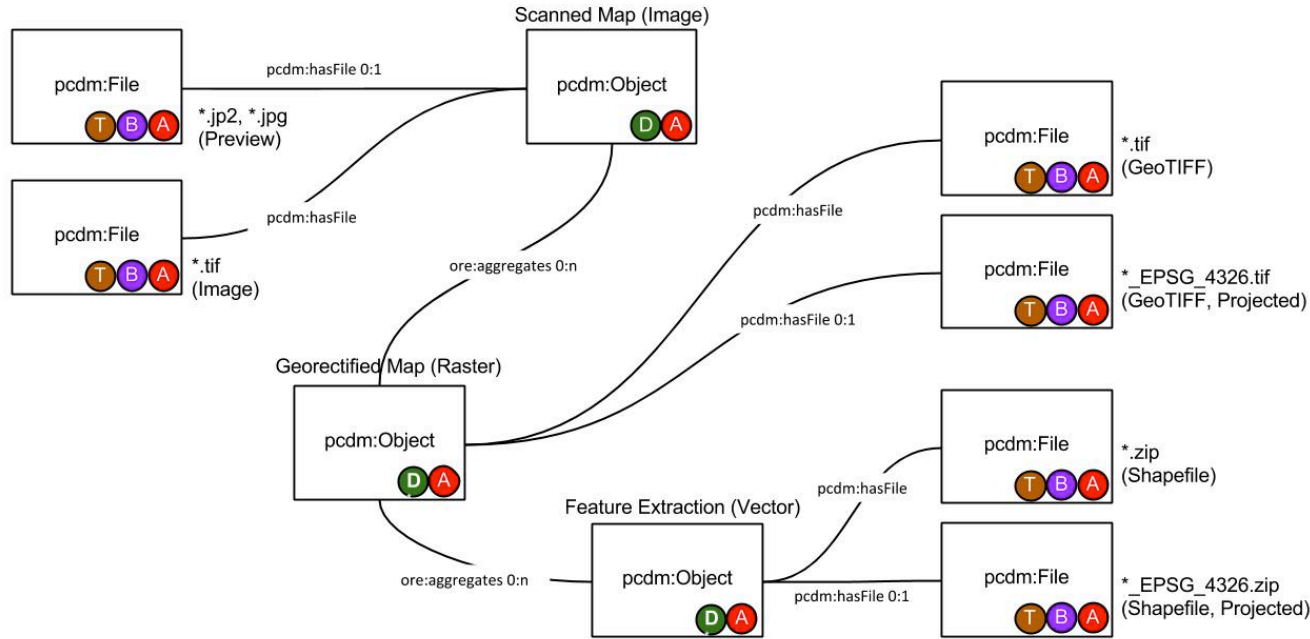
PCDM Examples

1. Sufia
2. GIS Map
3. Postcard
4. Disk Image

Sufia



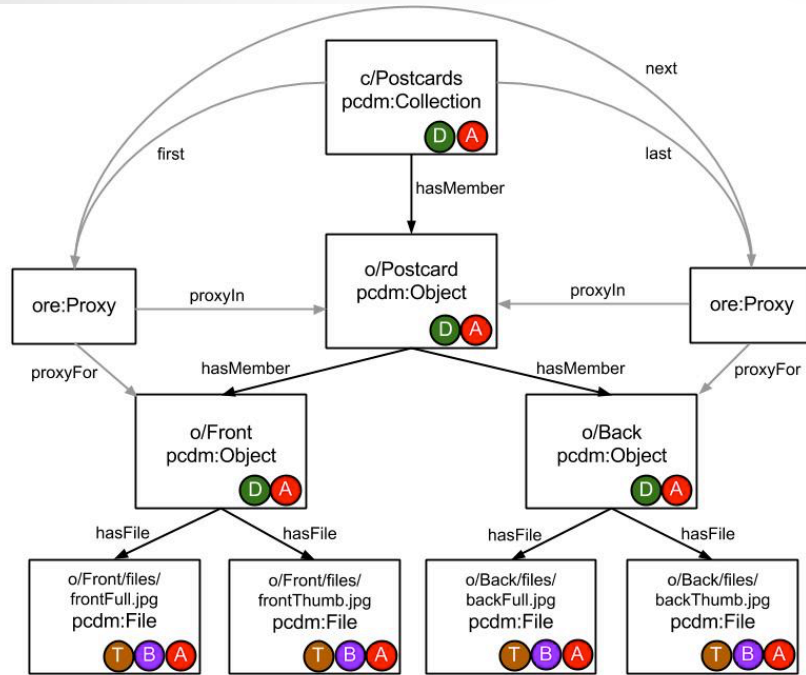
GIS Map



GIS Georeferenced Maps

D*: descriptive metadata uses additional geospatial vocabulary

Postcard



Disk Image

Archival Disk Image example

