

VISUALIZING YOUR DIGITAL ARCHIVES ECOSYSTEM

Kari R. Smith, MIT Institute Archives

What's in Your Fish Tank?

OR ... how do you think about and therefore describe your digital archives ecosystem



Language and Messaging

- Use the language of Standards
 - PAIMAS
 - OAIS
 - Records Management standards
- Describing an ecosystem is inherently a complex task
- Layer your messaging as appropriate

Breaking down the Ecosystem

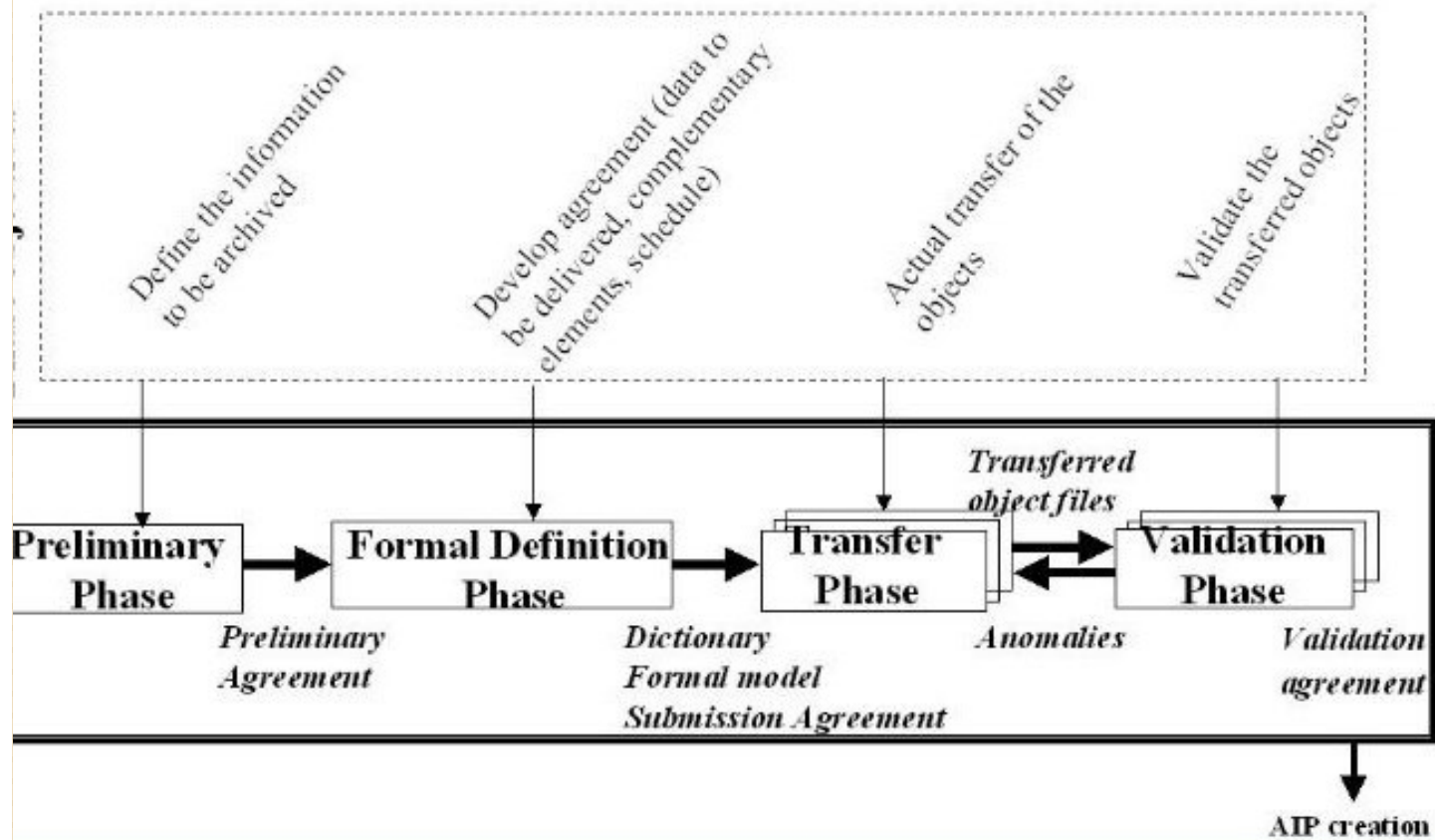
Remember those
multi-layered anatomy books?



Primary Layer



- Basics of content flow
- Uses PAIMAS and OAIS ISO standards for frame and language
- Assumes audience is in-house or not really interested in the specifics



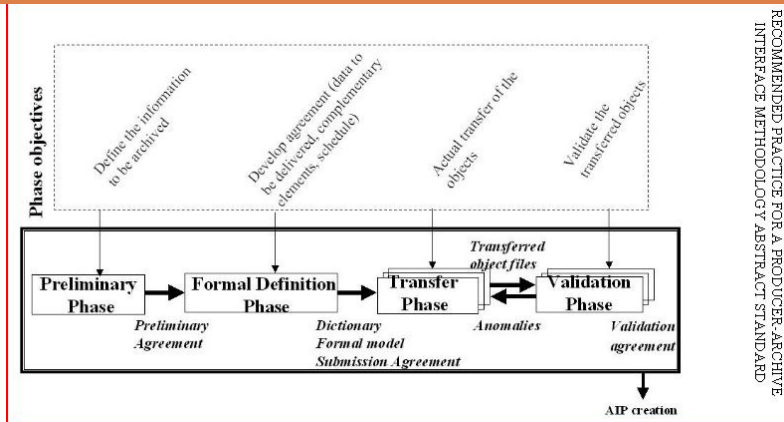
Producer – Archives Implementation Method Abstract Standard. ISO 20652

PAIMAS identifies and provides a structure for the interactions which take place between an information producer and a deposit archive.

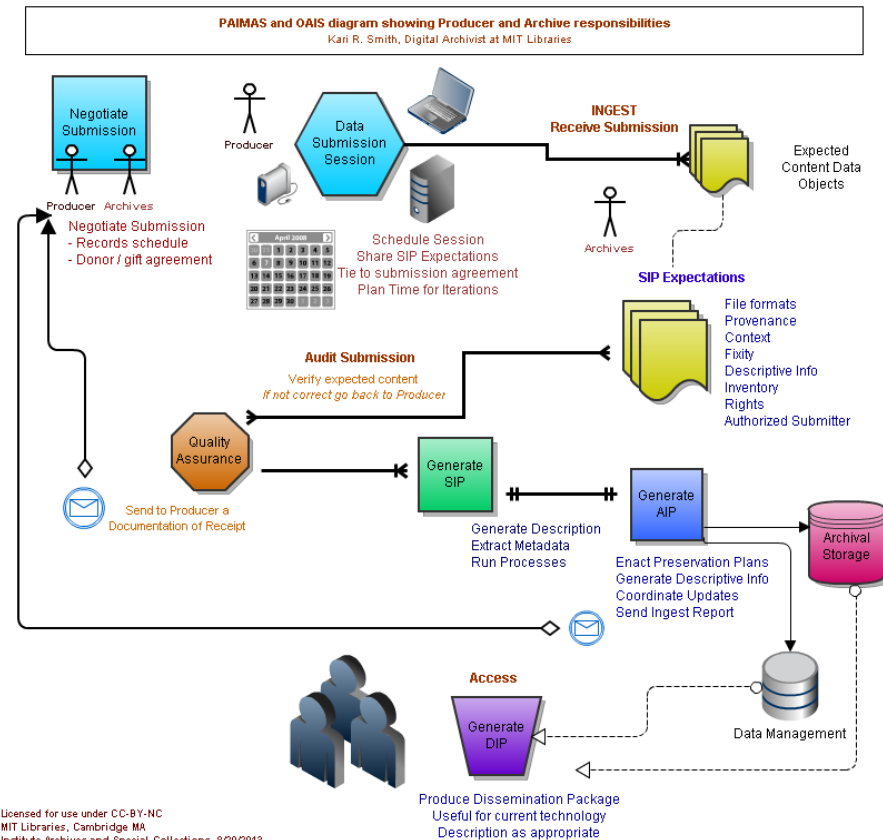
The standard covers the first stages of the ingest process defined by OAIS.

Mapping Standards to Local

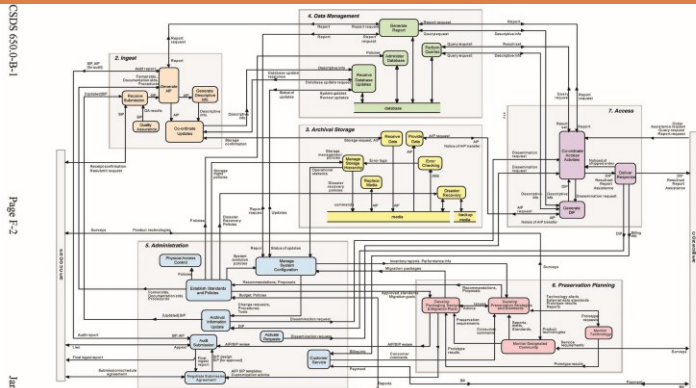
PAIMAS: Producer – Archive Interface Methodology Abstract Standard



PAIMAS and OAIS diagram showing Producer and Archives responsibilities



OAIS



CSIS RECOMMENDATION FOR AN OAIS REFERENCE MODEL

OAIS Functional Model

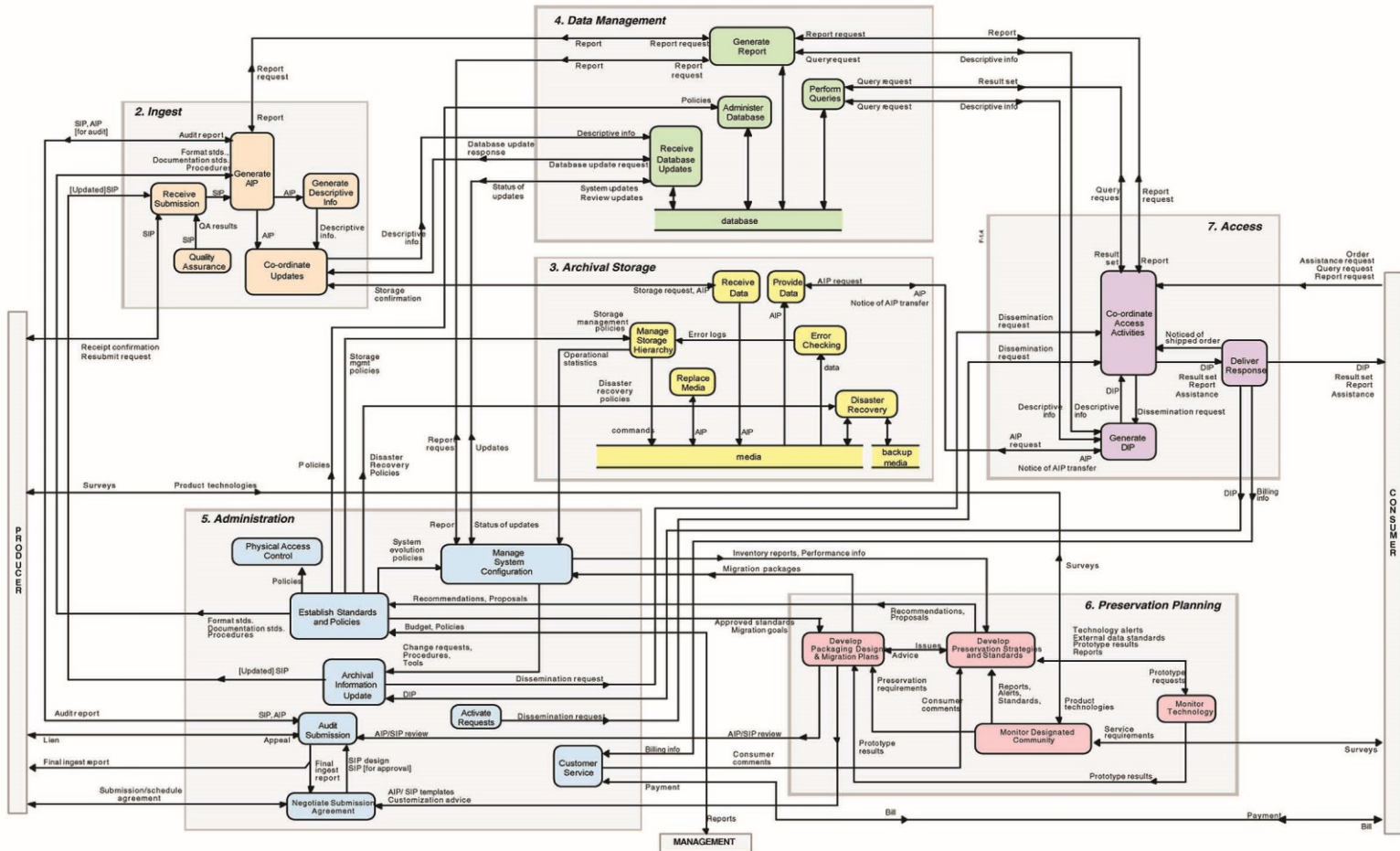
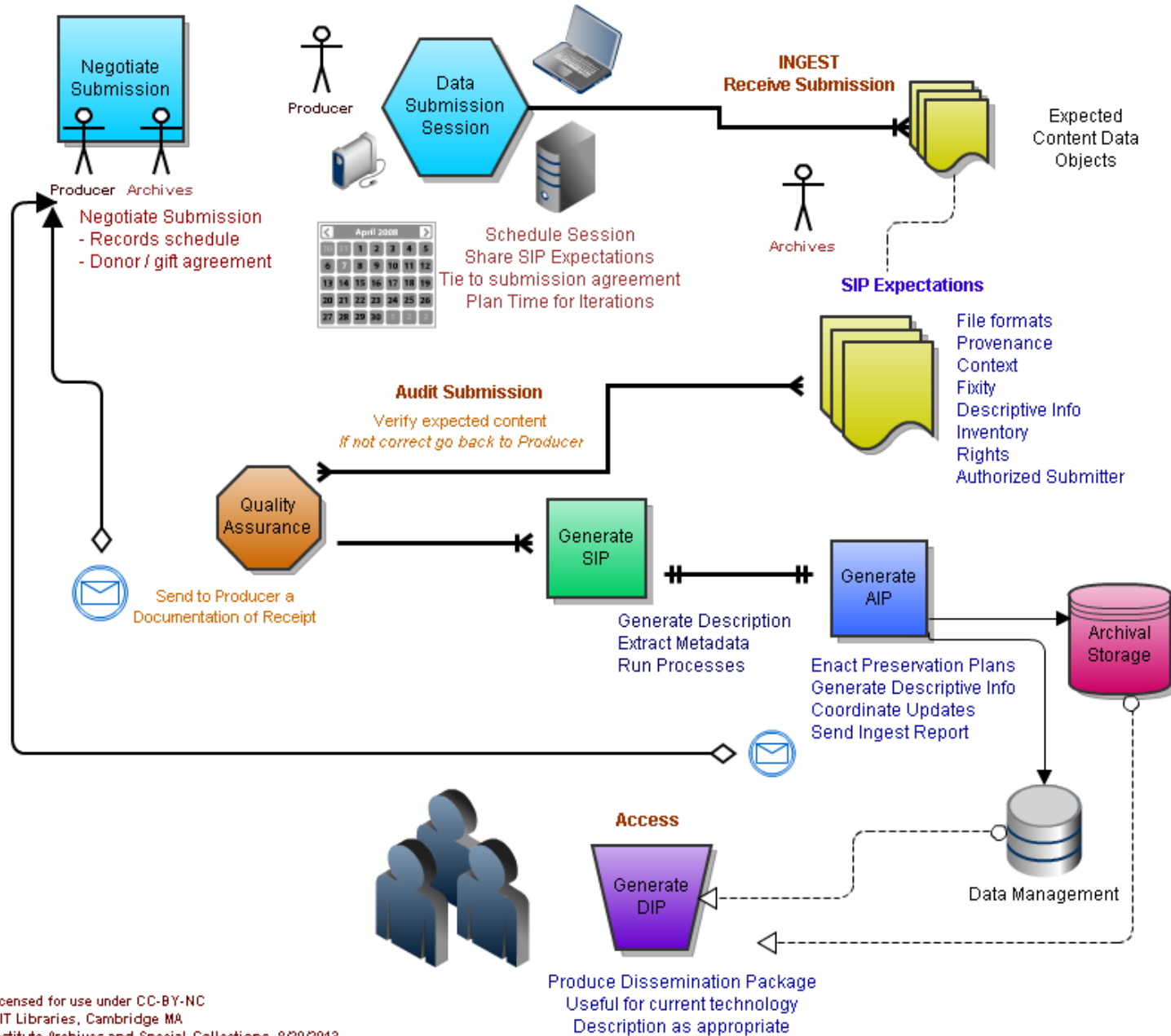


Figure F-1: Composite of Functional Entities

PAIMAS and OAI diagram showing Producer and Archive responsibilities

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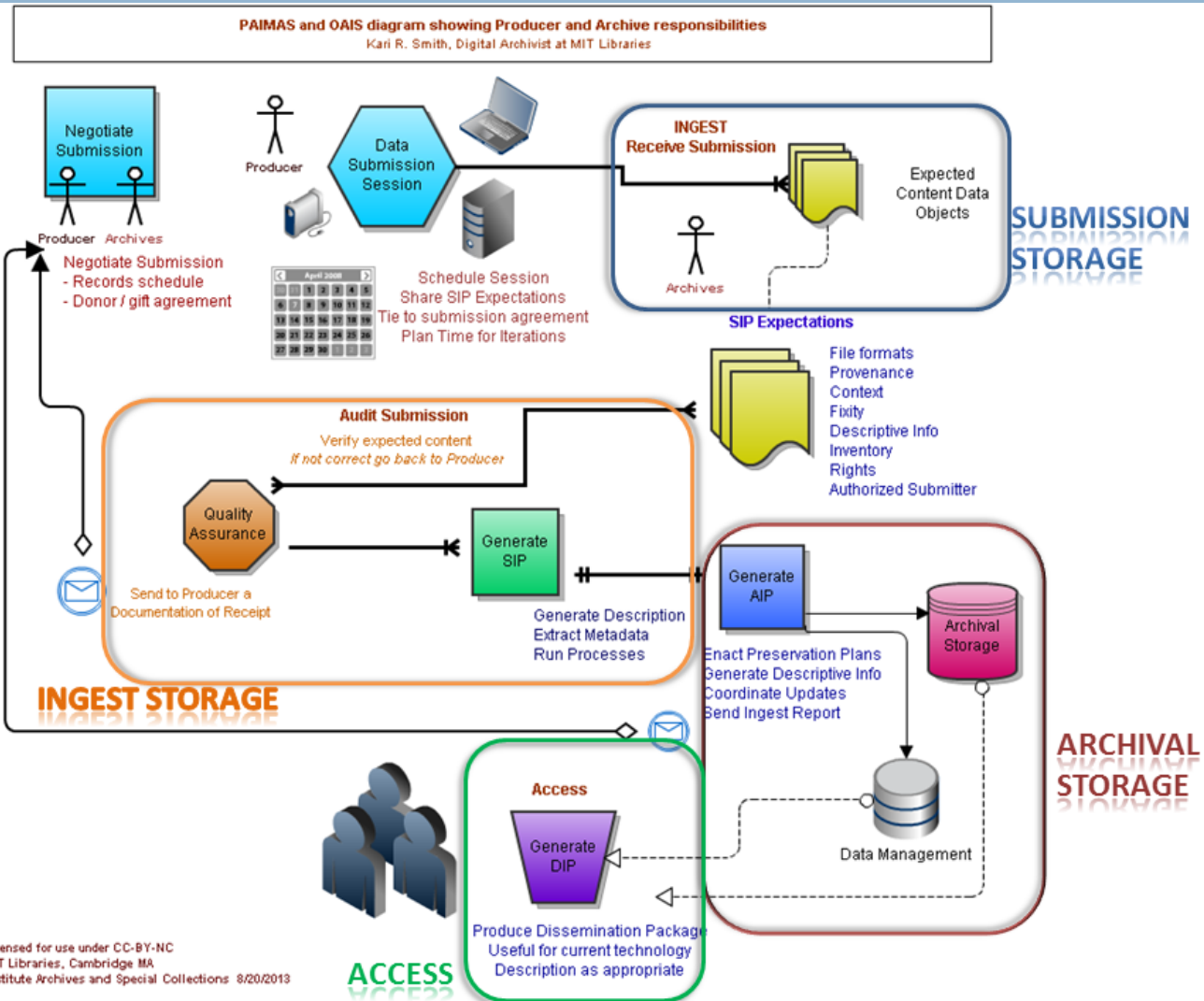
But There's More!

Where does it go?

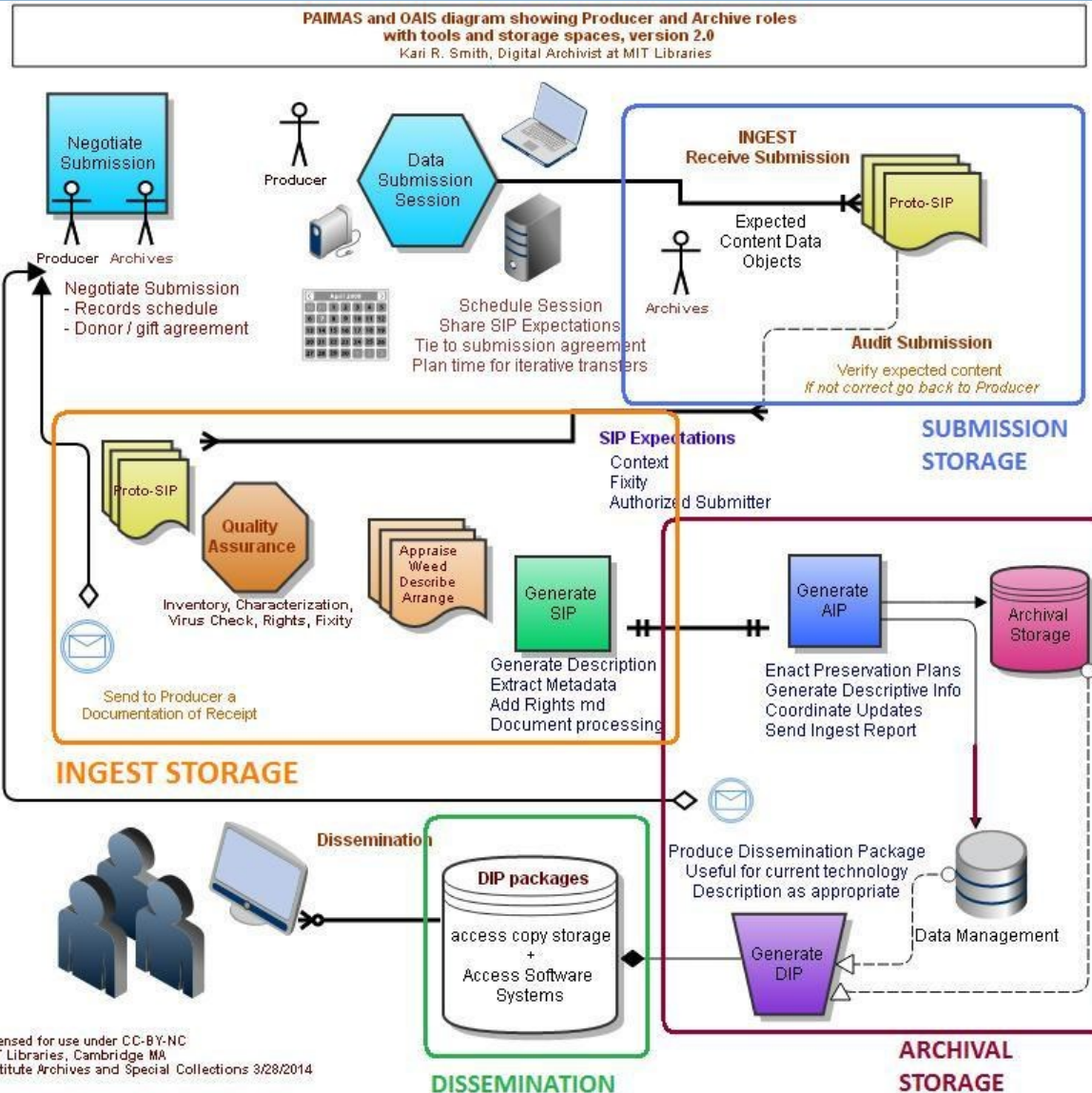
What does it use?

Isn't more done?

Add in Storage Spaces



Detail more processes



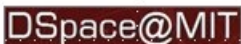
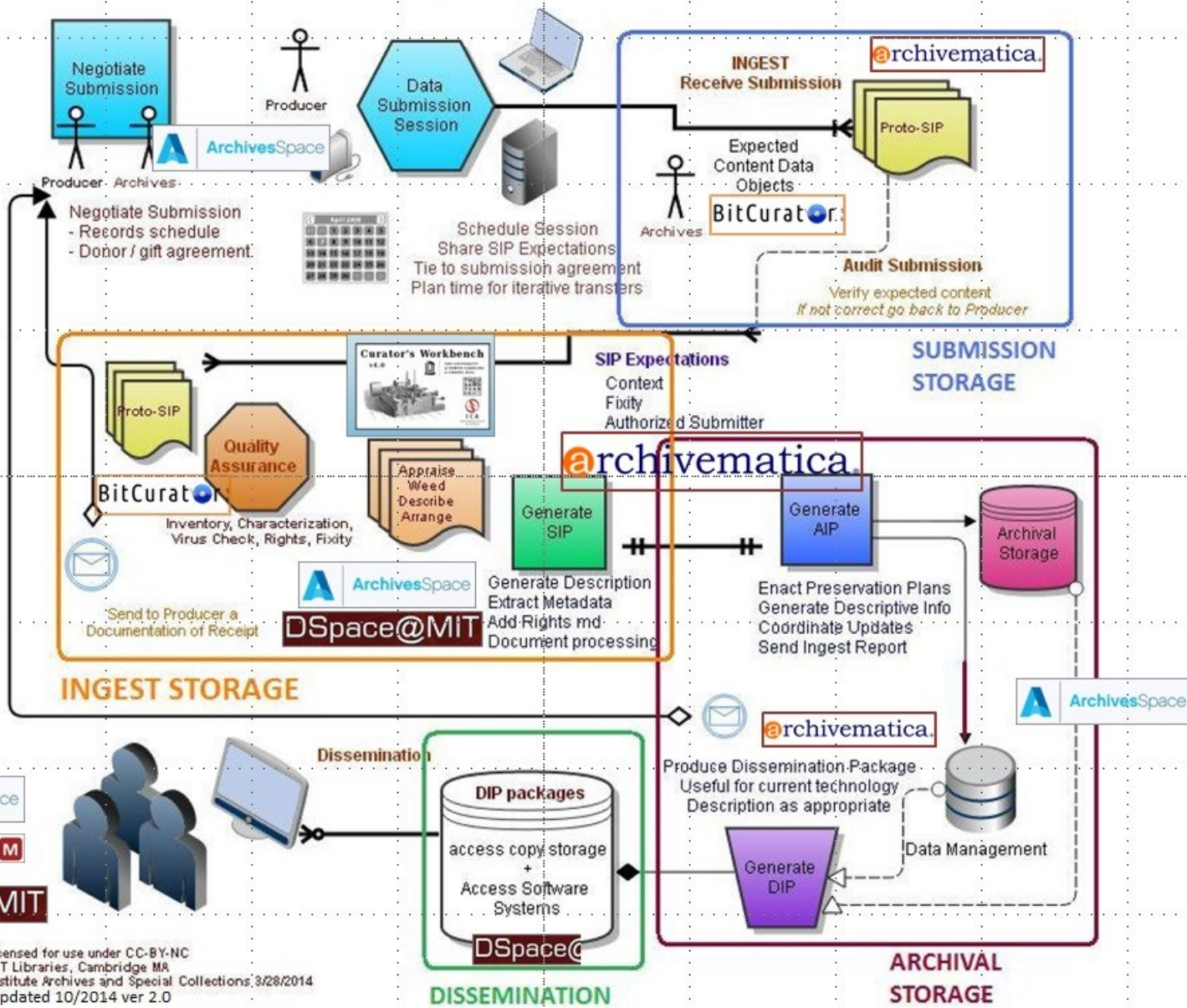
Be Flexible

As your content and processes evolve so too will your diagrams...

Components

- What are the tools you are using currently?
- How will you represent the tools you are testing?
- Does this map to other processes or diagrams at your institutions?

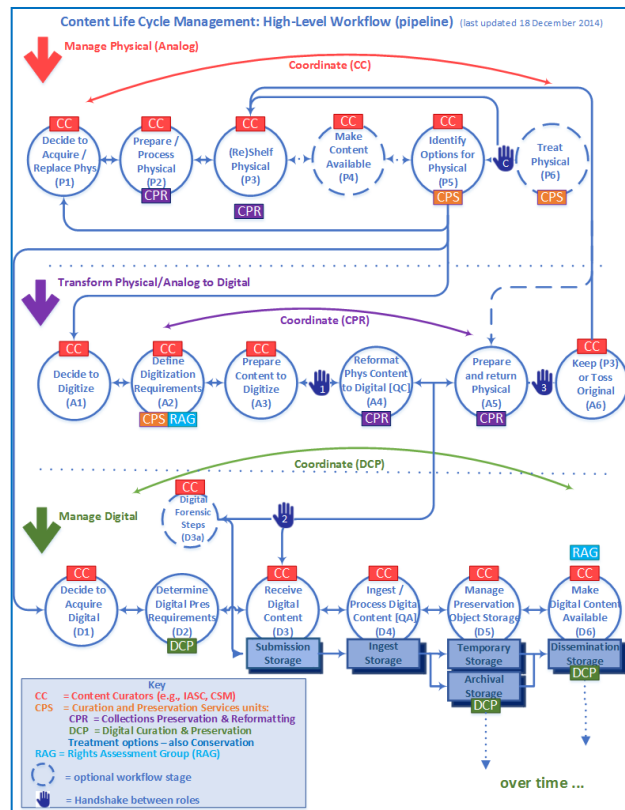
PAIMAS and OAIS diagram showing Producer and Archive roles with tools and storage spaces, version 2.0
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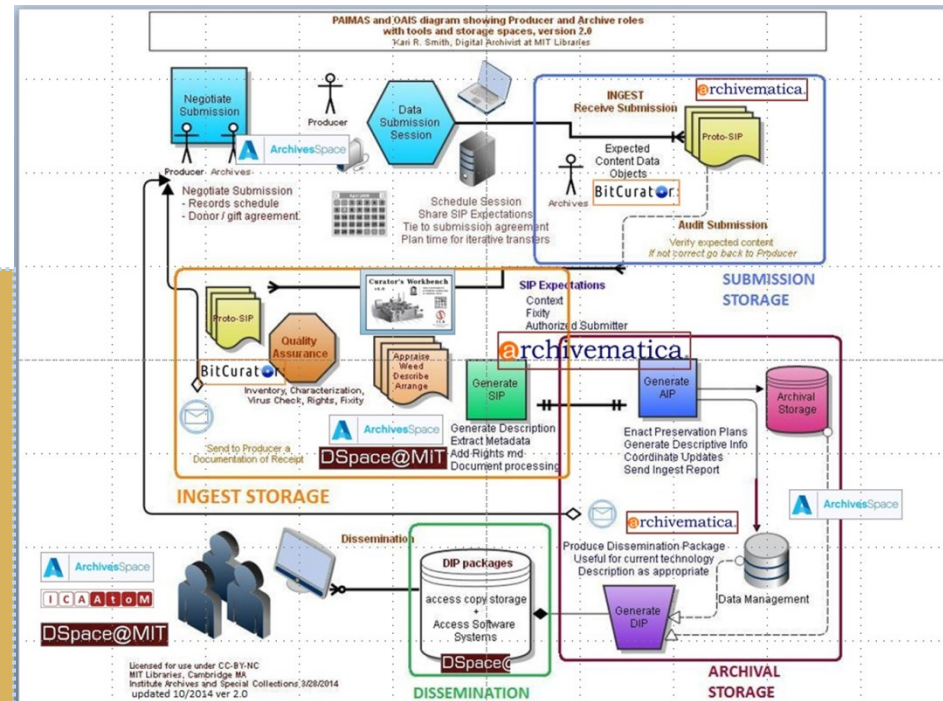
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 MIT Libraries, Cambridge MA
 Institute Archives and Special Collections, 3/28/2014
 updated 10/2014 ver 2.0

Placing the Ecosystem in Context

Content Lifecycle Management



Manage Digital = IASC Ecosystem



Diagrammatic + Narrative Forms

Create tools to assist with communication and illustration of your digital archives ecosystem.

Use the language of Standards to impart authority and to distinguish between other activities.

Illustrating how tools fit help to convey that our ecosystems are iterative and evolving.

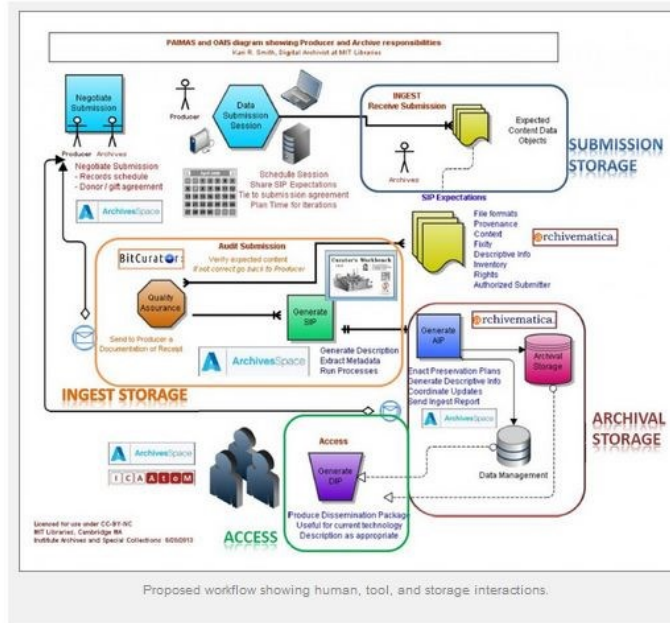


Home Digital Archives at the MIT Libraries

Integrating Tools into our Process and Workflows

Posted on November 7, 2013 by Kari R. Smith

In the last blog post, I described the process and data flow for digital archives using the PAIMAS and OAIS roles, responsibilities, and a few of the functions. Since that diagram, I have received feedback from MIT colleagues and have over-laid onto it two important considerations. First, how the storage spaces for metadata and digital objects fit into the process, and second where some of the software tools we are considering will fit into the processes.



About this blog

Engineering the Future of the Past shares information on what the MIT Institute Archives is doing about acquiring and managing born-digital and digitized collections.

Kari R. Smith, Digital Archivist [smithkr[at]mit.edu] is the primary Blog author.

Links

- MIT Institute Archives

Recent Posts

- Integrating Tools into our Process and Workflows
- Visualizing PAIMAS and OAIS
- Resources we've been reading

Previous Posts

Select Month

Categories

- All (12)
- Events (3)
- Gift agreements (2)
- Legal issues (4)
- life-cycle experiments (1)
- metadata (3)
- personal archives (6)
- roles and responsibilities (4)
- Tools (8)
- workflows (2)

Posts

diagram digital archives documentation finding IAP metadata MIT OAIS PAIMAS presentation role tagging template

THANK YOU FOR YOUR
ATTENTION!

FEEDBACK AND EXAMPLES ARE
APPRECIATED

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