

# ARCHIVEMATICA (AM)

Possibilities here at TTU Libraries

# archivematica. camp texas



University of Houston  
November 14-16, 2018

Archivematica  
comes to Texas!

November 14-16  
Houston, Texas

Seats are limited.  
Discount tuition for TDL Members

Hosted by:

**Artefactual**

**UH Libraries**

**TEXAS DIGITAL LIBRARY**

Registration info coming soon.

# TODAY'S PRESENTATION - AM

1

What is it?

2

What can it do  
(& not do)?

3

What does it  
produce?

4

Why is it  
important?

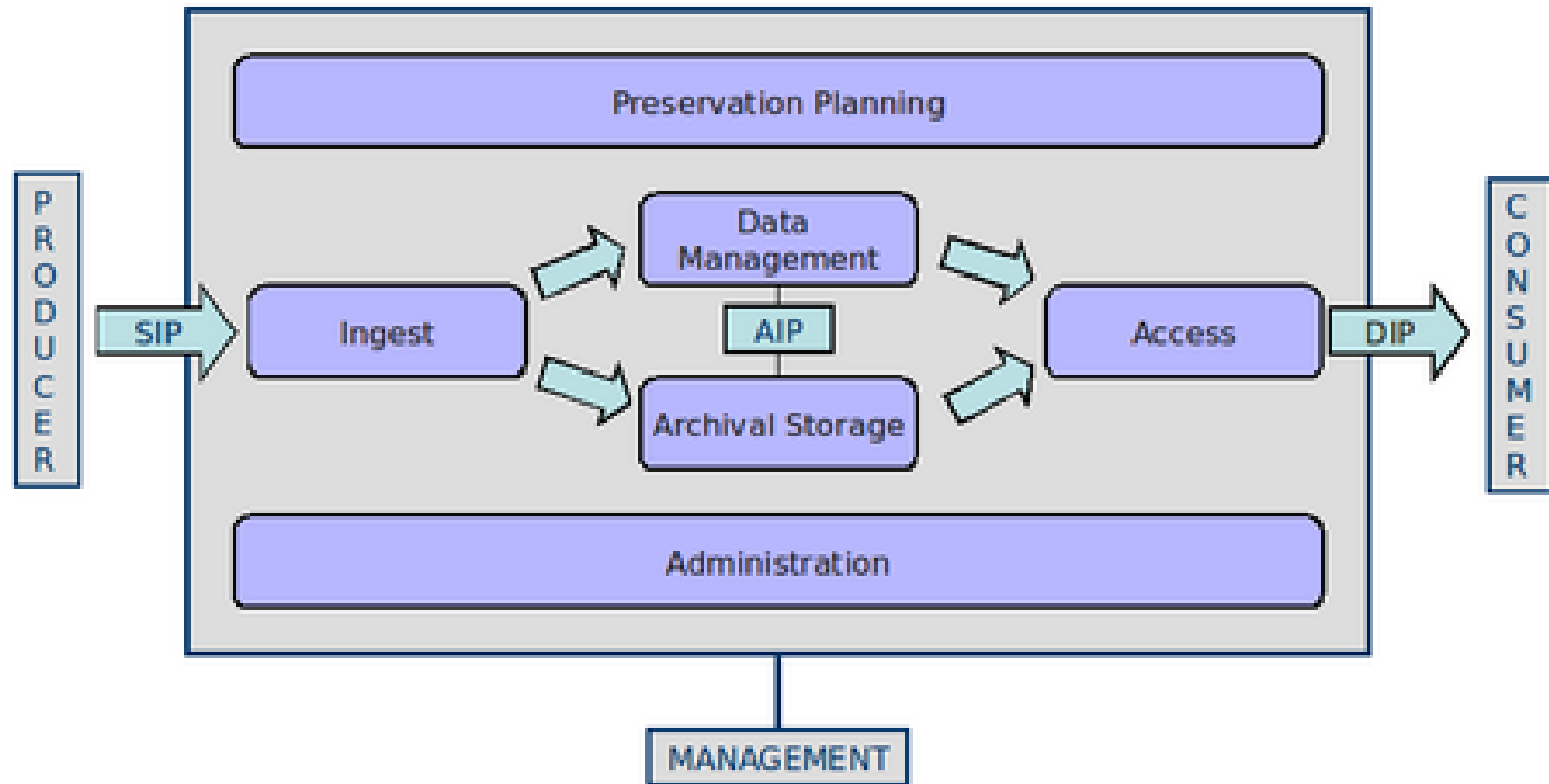
5

How could it  
be  
implemented?



WHAT IT IS

# Open Archival Information System (OAIS) reference model (ISO-STD 14721)





# SIP



Submission



Information



Package



# AIP



Archival



Information



Package



# DIP



Dissemination



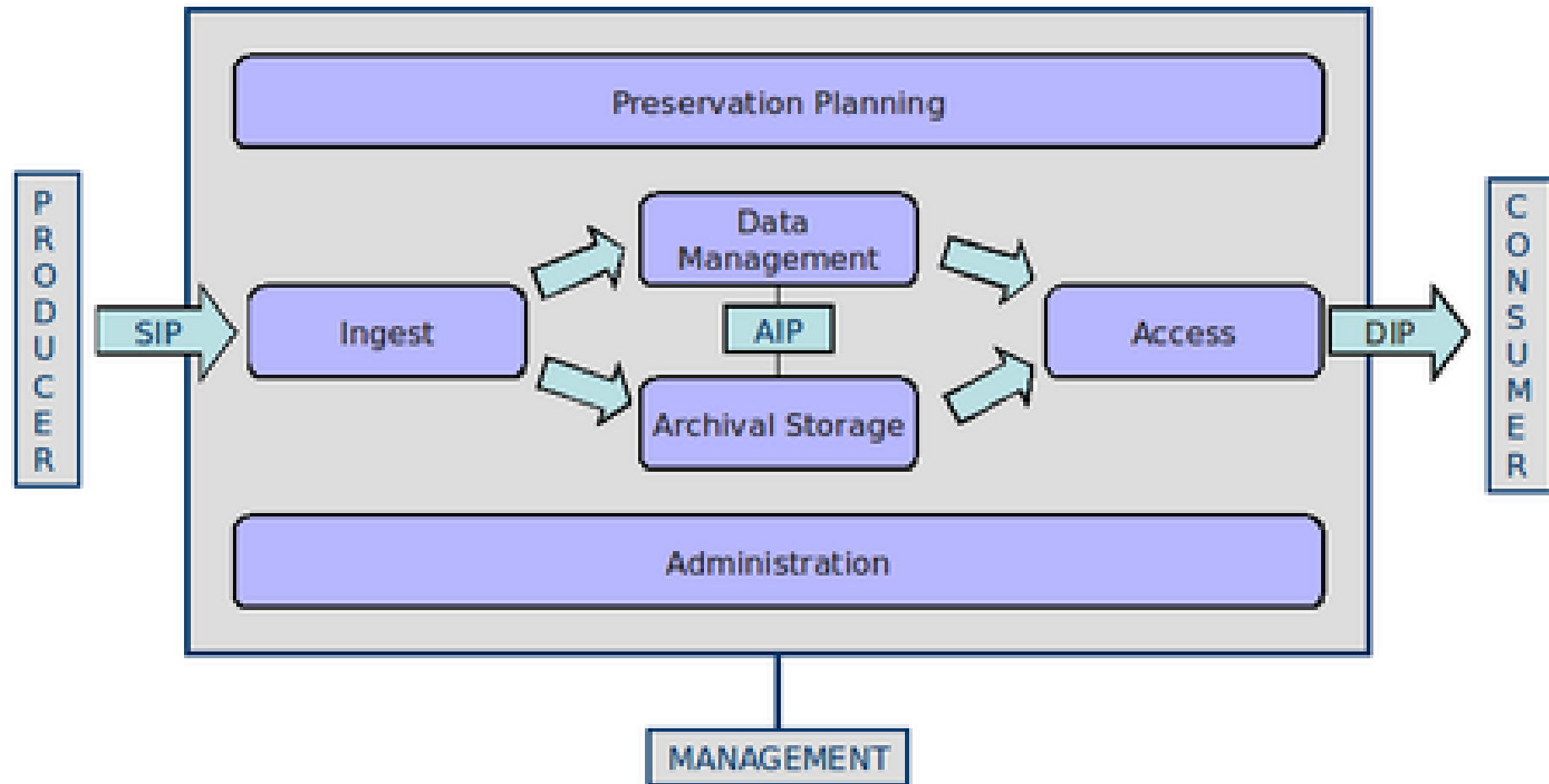
Information

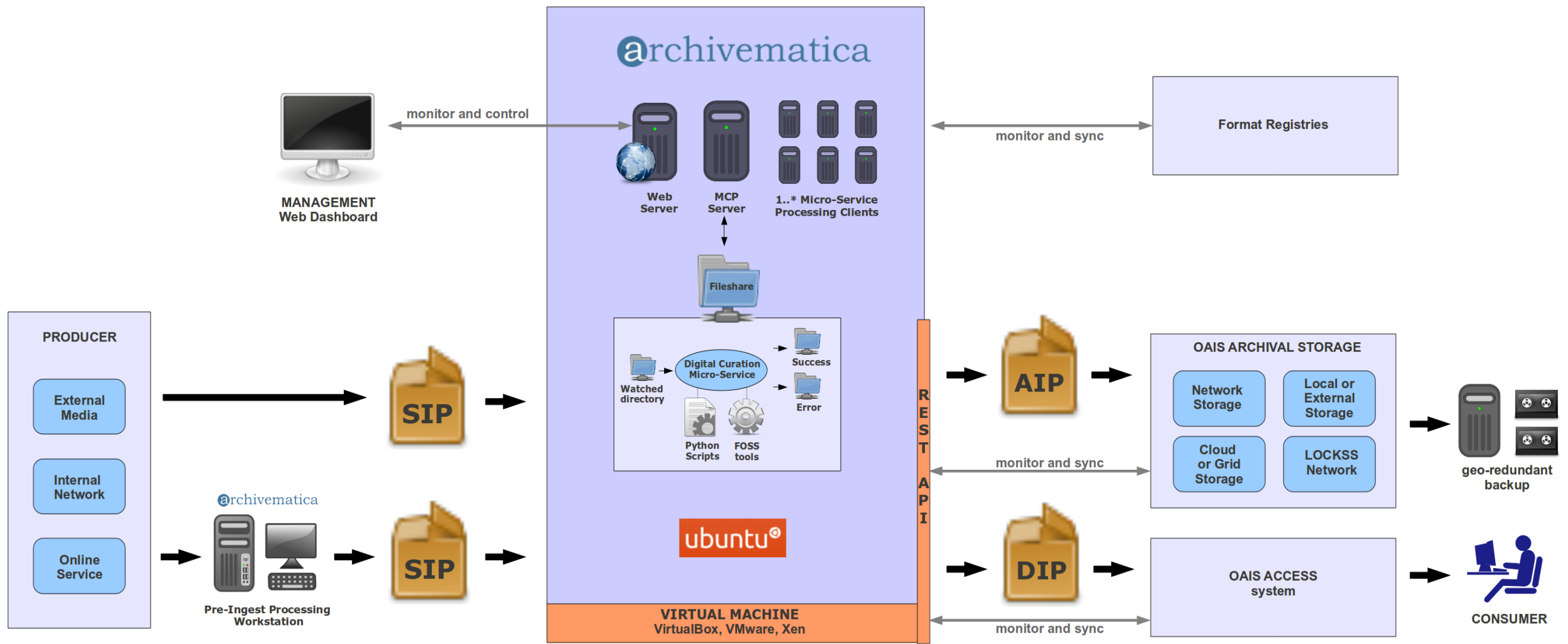


Package



# Open Archival Information System (OAIS) reference model (ISO-STD 14721)







WHAT IT CAN DO  
( & CANNOT DO )



# (SOME) MICROSERVICES



IDENTIFIER  
ASSIGNMENT



FILE FORMAT  
IDENTIFICATION



FILE FORMAT  
VALIDATION



METADATA  
EXTRACTION



## (OTHER) MICROSERVICES



FIXITY  
CHECKING



NORMALIZATION



METADATA  
GENERATION



AIP PACKAGING

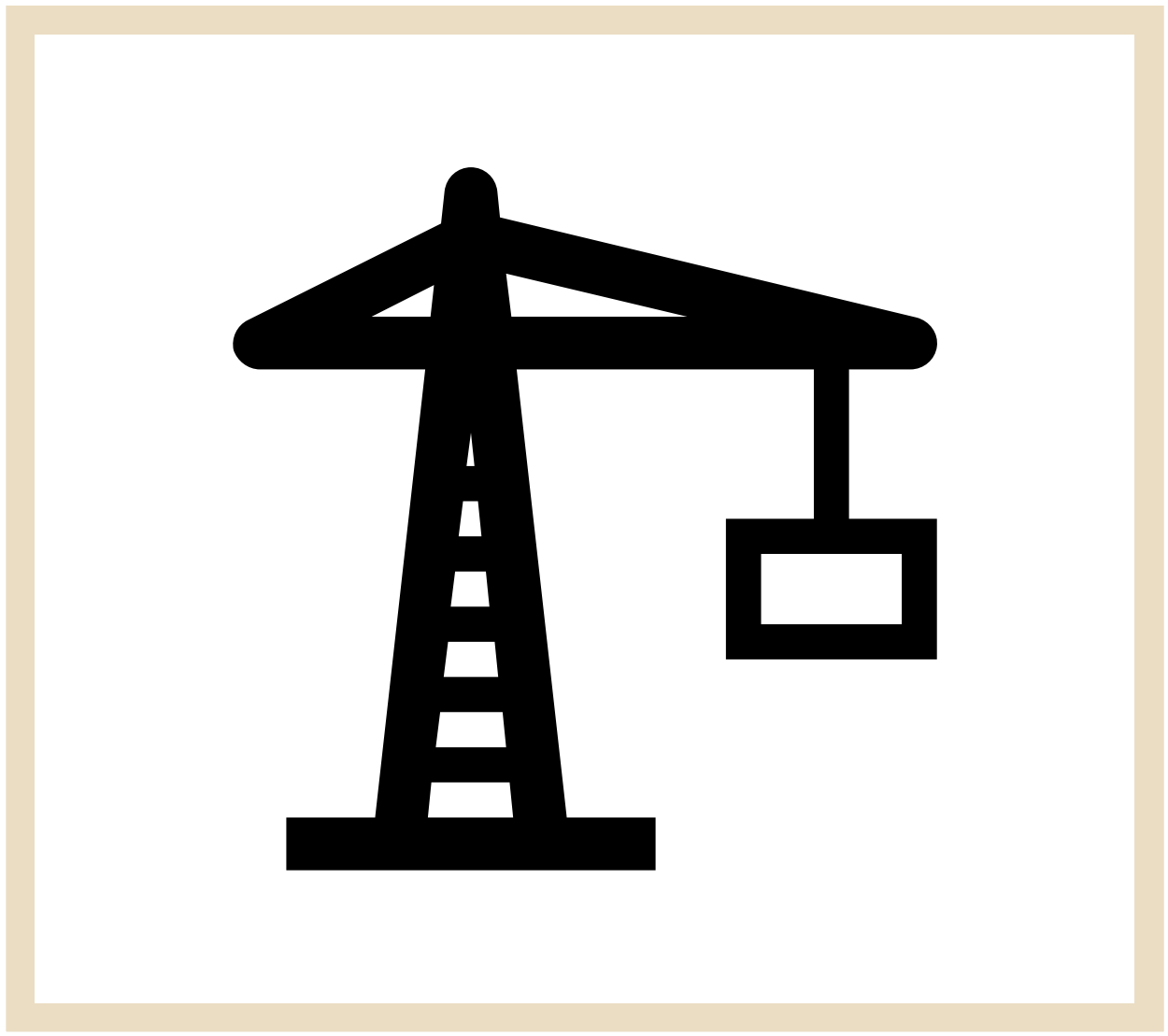


# EXTERNAL TOOLS

- AtoM
- BagIt
- Bulk\_extractor
- ClamAV
- Django
- ElasticSearch
- ExifTool
- ffmpeg
- FFprobe
- Fido
- FITS
- Gearman
- Imagemagick
- Inkscape
- JHOVE
- Md5deep
- Mediaconch
- MediaInfo
- NFS-common
- p7zip
- Python-lxml
- Seigfried
- Sleuthkit
- Tesseract
- Ubuntu Linux
- UUID
- Unar
- Zip



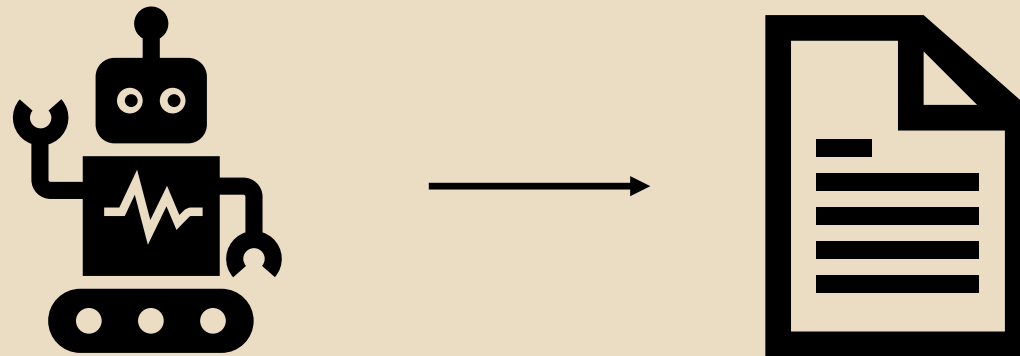
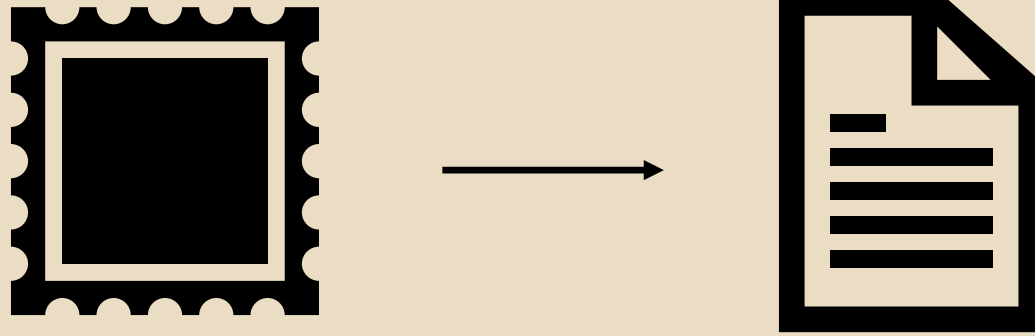
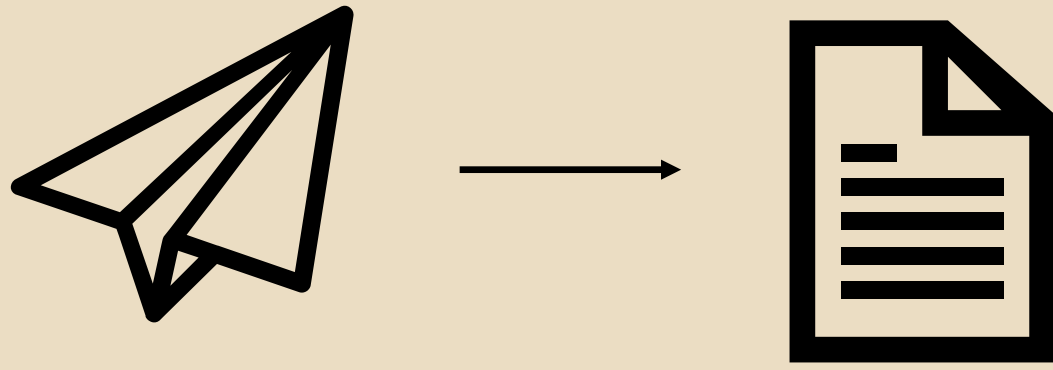
IT IS ONLY A  
TOOL.





WHAT IT PRODUCES



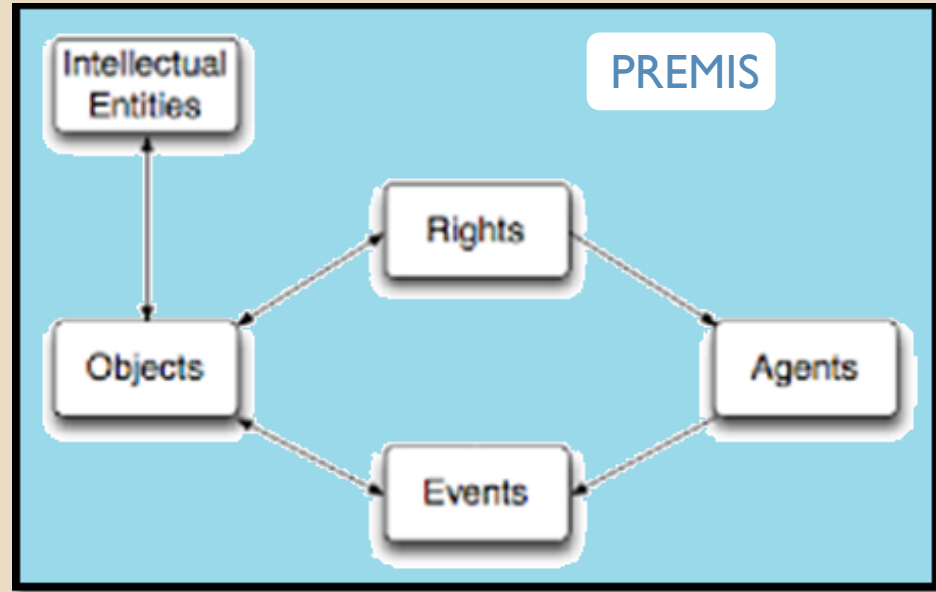


# I. Standardized Object



**Dublin Core Elements**

Rights	Contributor	Creator
Subject	Coverage	Title
Publisher	Identifier	Description
Type	Date	Source
Relation	Format	Language



# 2. METS document

The 7 sections of a METS document:

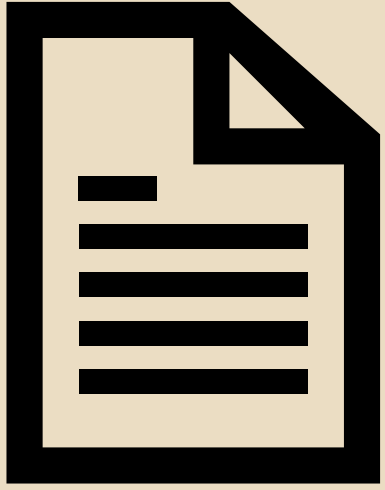
```
<mets>  
  <metsHdr/>  
  <dmdSec/>  
  <amdSec/>  
  <fileSec/>  
  <structMap/>  
  <structLink/>  
  <behaviorSec/>  
</mets>
```



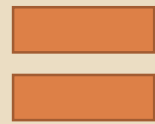
The 7 sections of a METS document:

```
<mets>
  <metsHdr/>
  <dmdSec/>
  <amdSec/>
  <fileSec/>
  <structMap/>
  <structLink/>
  <behaviorSec/>
</mets>
```

METS file



Stabilized object



BagIt!

# 3. Archival Information Package (AIP)

The screenshot shows the Archivematica web interface. The top navigation bar includes links for Transfer, Backlog, Appraisal, Ingest, Archival storage (highlighted), Preservation planning, Access, Administration, and support. The main content area is titled "Archival storage / Search". It features a search form with a text input containing "Spengler University", a dropdown menu set to "Any", another dropdown menu set to "Keyword", and two checkboxes for "Show files?" and "Show AICs?". A blue button labeled "Search archival storage" is positioned to the right of the form. Below the search form is a link for "Add new" and a blue button labeled "Create an AIC". The search results section displays "Found 3 entries. Showing 1 to 3." followed by a table with the following data:

AIP	Size	UUID	Files	Date stored	Status	Encrypted	Actions
<a href="#">control-test-5 (view raw)</a>	23.52 MB	<a href="#">e1edfe13-b37a-4446-8c5c-bdc41bc95d27</a>	4 files	2018-12-11 12:22	Stored	False	<a href="#">View</a>
<a href="#">searchable-bag (view raw)</a>	23.52 MB	<a href="#">a013cf21-710f-447f-93ae-f5ceac9bd391</a>	4 files	2018-12-11 11:41	Stored	False	<a href="#">View</a>
<a href="#">coyote (view raw)</a>	0.01 MB	<a href="#">e398defa-9c76-464d-9a19-eb602e6beee5</a>	2 files	2018-12-11 11:45	Stored	False	<a href="#">View</a>

Below the table, it repeats "Found 3 entries. Showing 1 to 3."

WHY IT IS IMPORTANT



**archivematica**<sup>®</sup>

because 76% of time travellers  
agree that the future sucked



HOW WE COULD IMPLEMENT IT



1. Develop new workflow aligning with ISO-OAIS
2. Set up Archivematica 1.8 instance (recommended)
3. Select small sample (10 – 25 items) and test
4. Evaluate which collections would benefit with AIPs
5. Get crackin'!



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**ARCHIVEMATICA (AM)**

Thank you!