

Introduction to the IIF Presentation API

<http://iif.io/api/presentation/2.1/>

...

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SWIB17, Hamburg, Germany, 2017-12-04

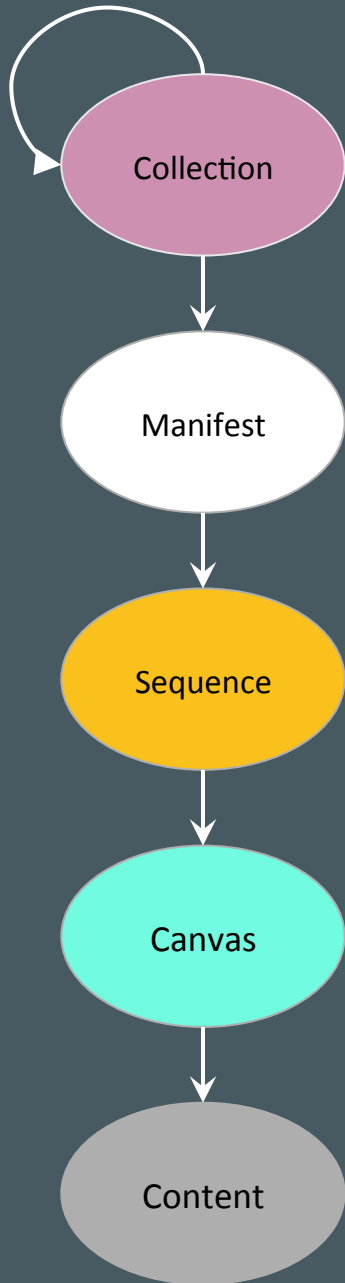


Credits – There are no original IIF slide decks!

- These slides follow most closely the presentation of the IIF Tutorial at Open Repositories 2017 (Brisbane, Australia) given in collaboration with Mike Appleby Jon Stroop, Sheila Rabun & Tom Cramer
- They also include content from many others including Rob Sanderson, Tom Crane, ...
- The Presentation API slides, in particular, were last put together by Jon Stroop



IIIF Presentation API



“The objective of the IIIF Presentation API is to **provide the information necessary to allow a rich, online viewing environment for primarily image-based objects to be presented to a human user** [...]. This is the sole purpose of the API and therefore the descriptive information is given in a way that is intended for humans to read, but not semantically available to machines. [... It] explicitly does *not* aim to provide metadata that would drive discovery of the digitized objects.”

— <http://iiif.io/api/presentation/2.1/#objectives-and-scope>

Shared Canvas Data Model

Canvas

A digital surrogate for a physical page which should be rendered to the user (from Shared Canvas)

May be x,y,
x,y,t or t in
Presentation 3

The canvas is an **empty space**, in order to present something we need to paint resources onto it



Shared Canvas Data Model & Annotation

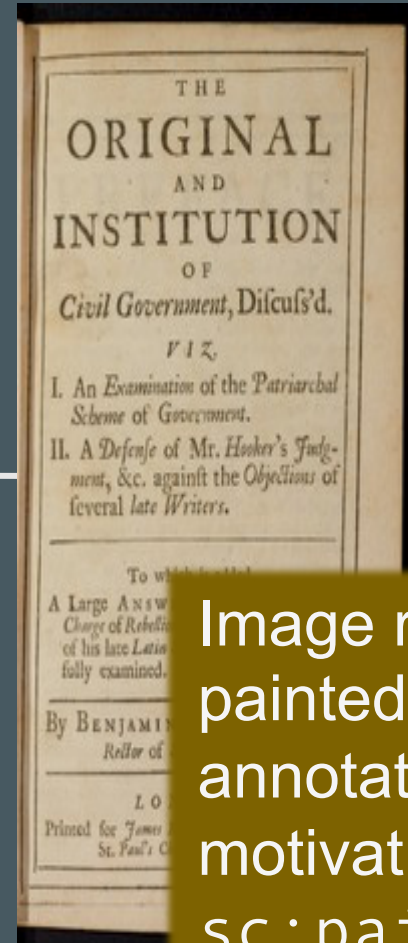
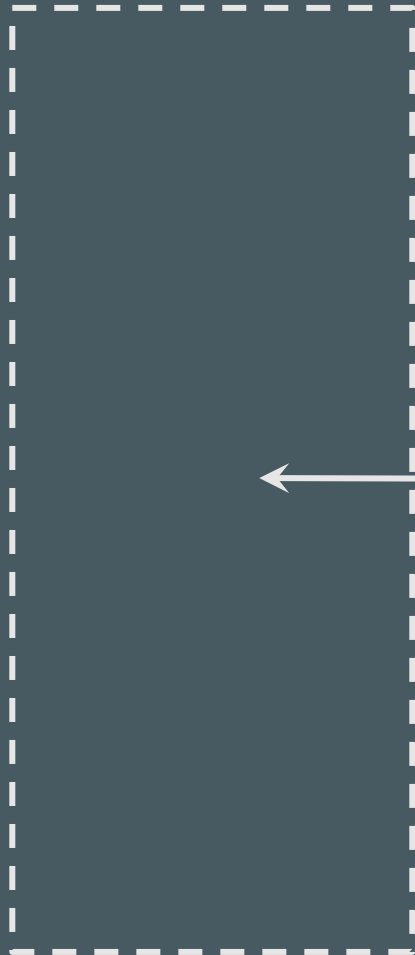


Image resource
painted – via
annotation with
motivation
`sc:painting --`
onto Canvas

Manuscrit reconstitu   : Ch  teauroux, Biblioth  que municipale, ms. 5 (Grandes Chroniques de France)

Captions Miniatures

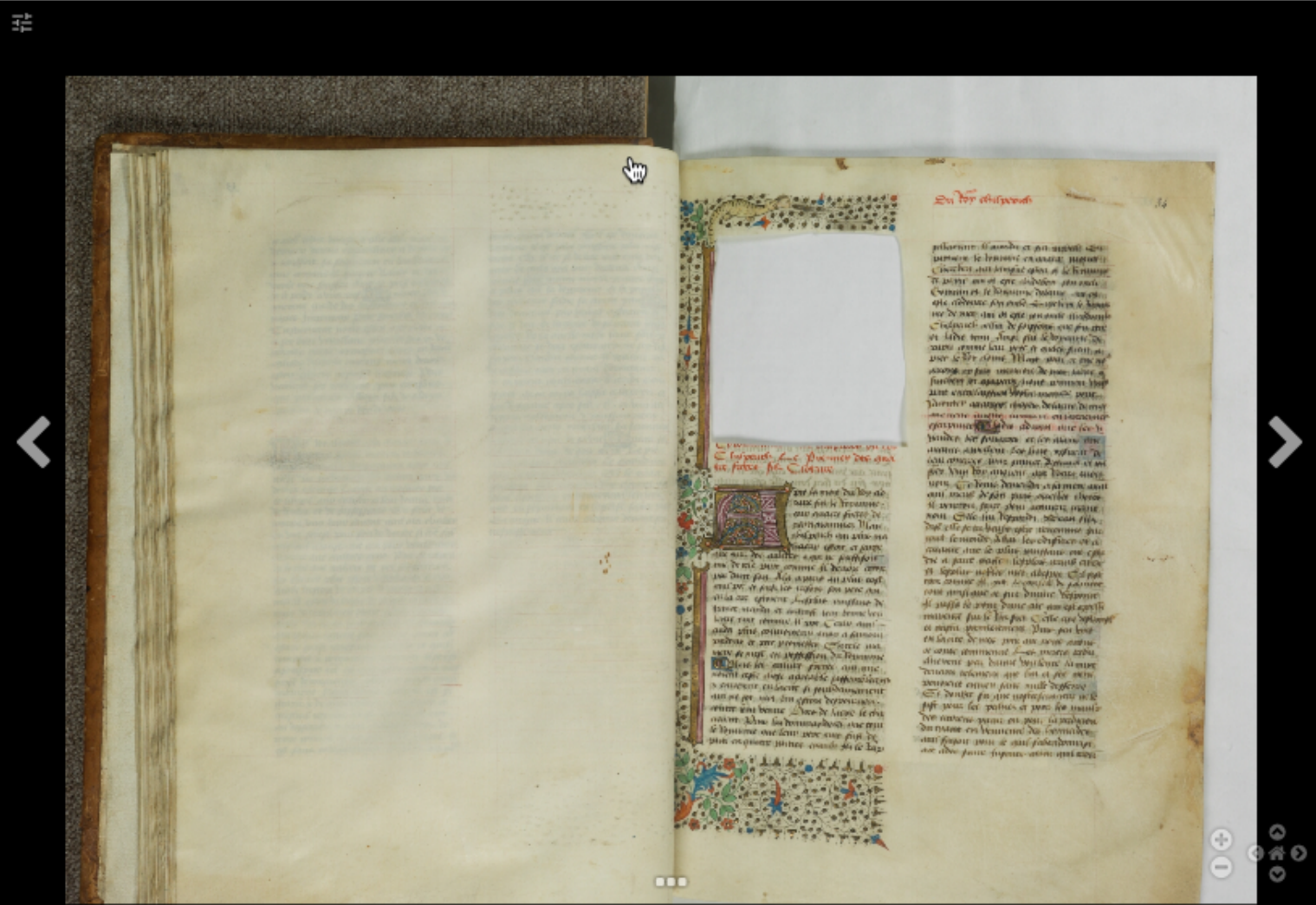
Images for f. 033v - 034

No Label

☒ visible
opacity (100)%

Miniature [Chilp  ric 1er tue Galswinthe, se remarie et est assassin  ]

☐ visible
opacity (disabled)



- plat sup  ...
- plat inf  r...
- contrepl...
- garde - ...
- garde - ...
- f. 001v - ...
- f. 002v - ...
- f. 003v - ...
- f. 004v - ...

Manuscrit reconstitu   : Ch  teauroux, Biblioth  que municipale, ms. 5 (Grandes Chroniques de France)

Captions Miniatures

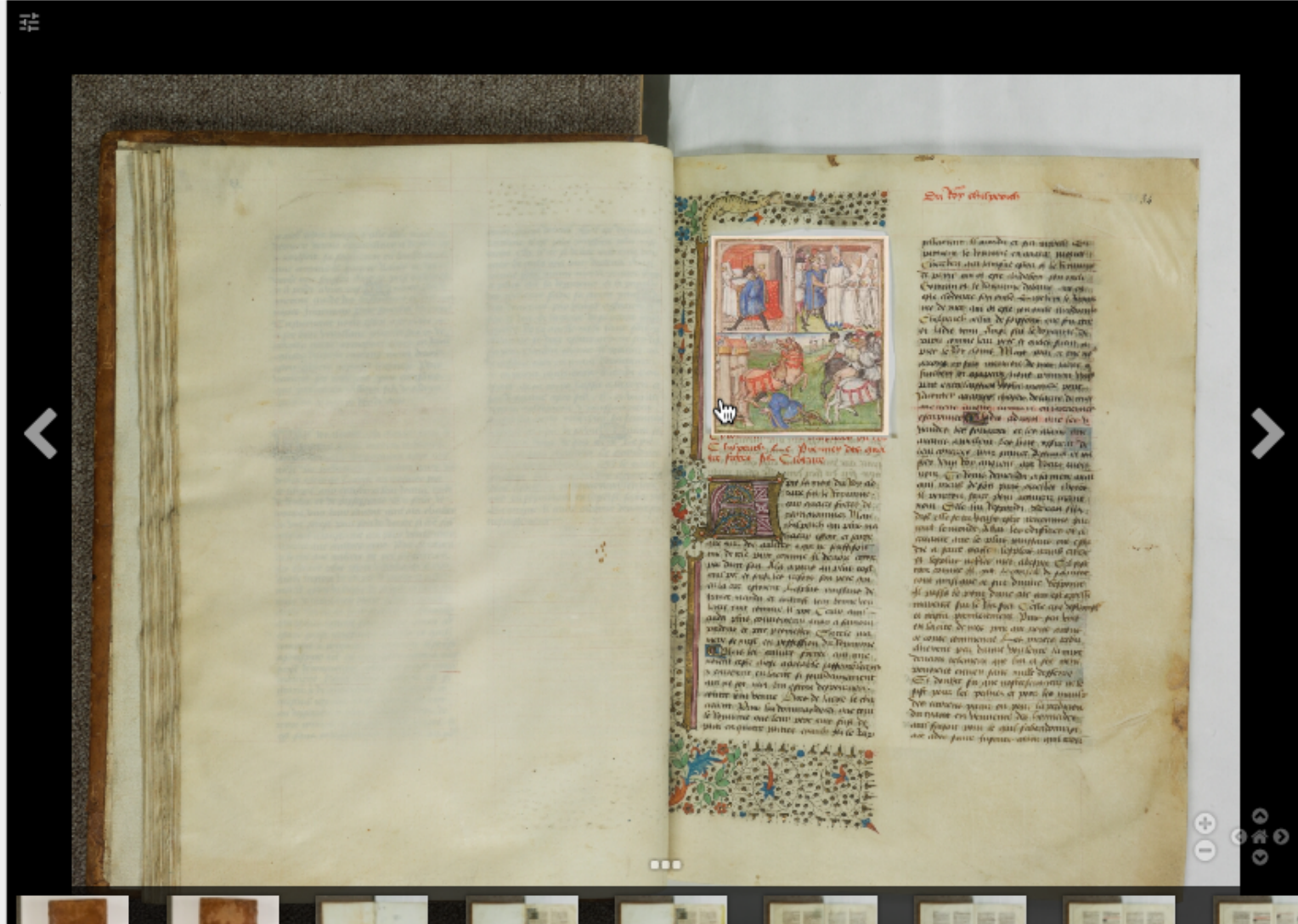
Images for f. 033v - 034

No Label

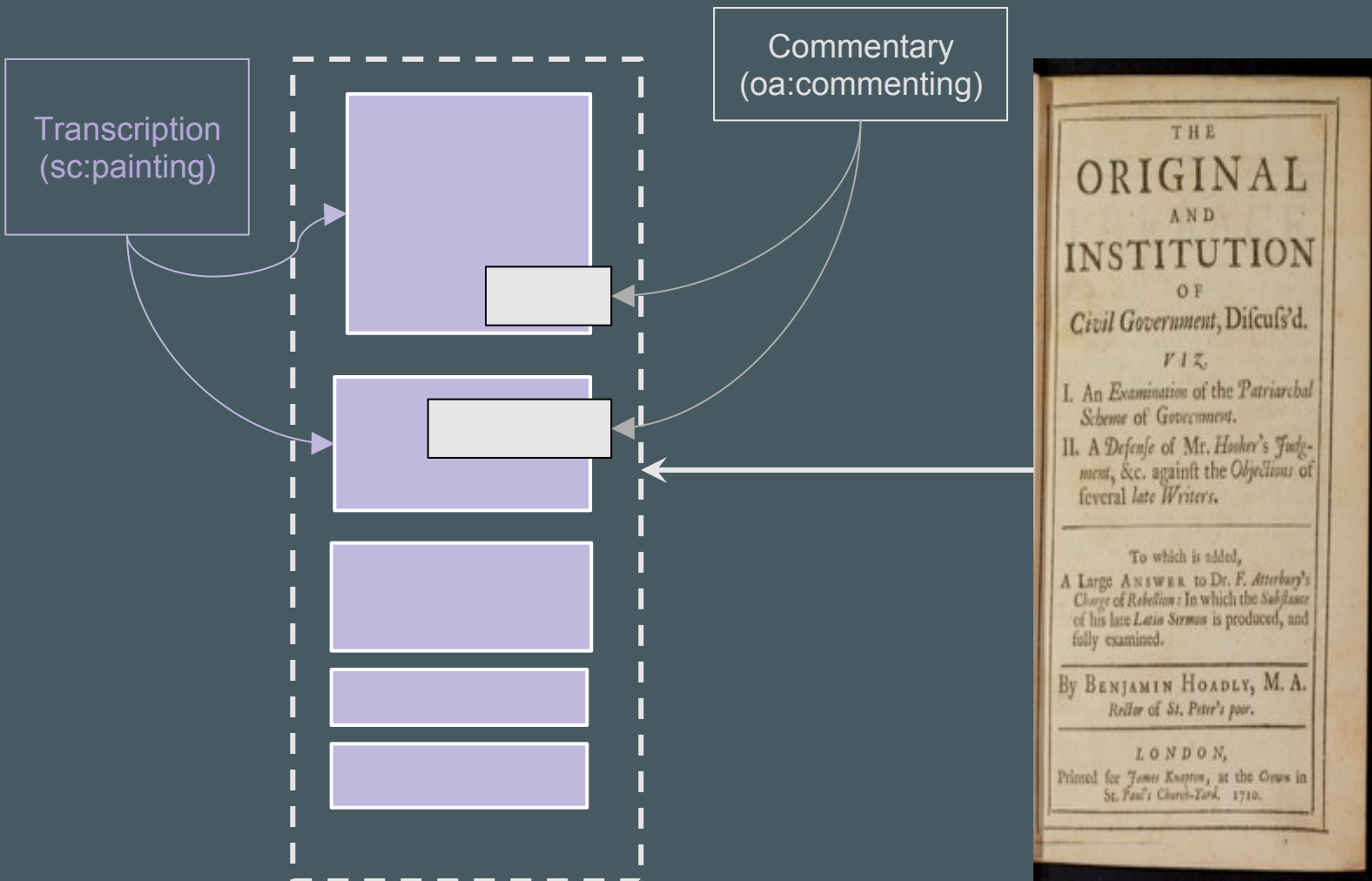
☒ visible
opacity (100)%

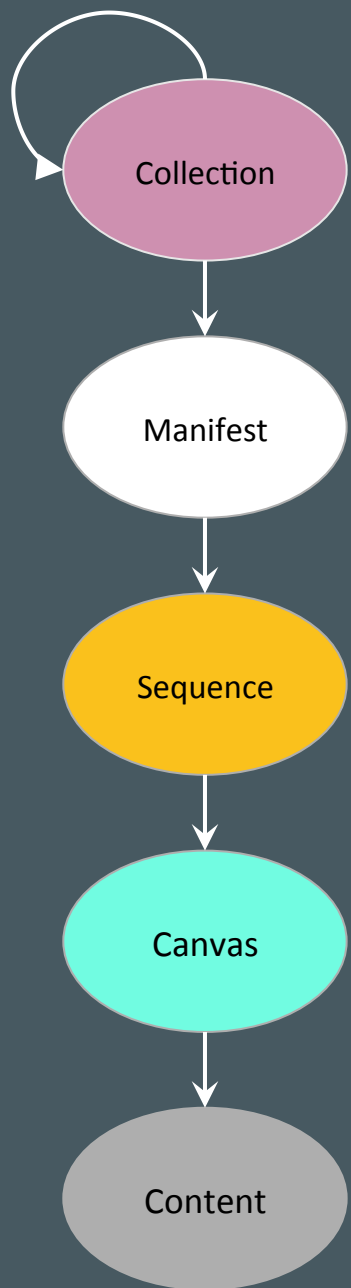
Miniature [Chilp  ric Ier tue Galswinthe, se remarie et est assassin  ]

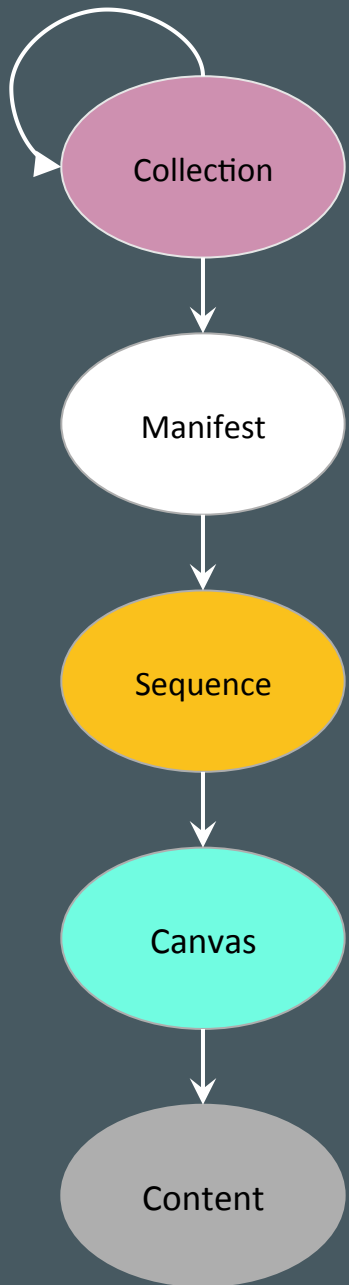
☒ visible
opacity (100)%

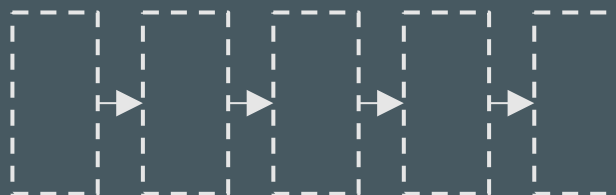
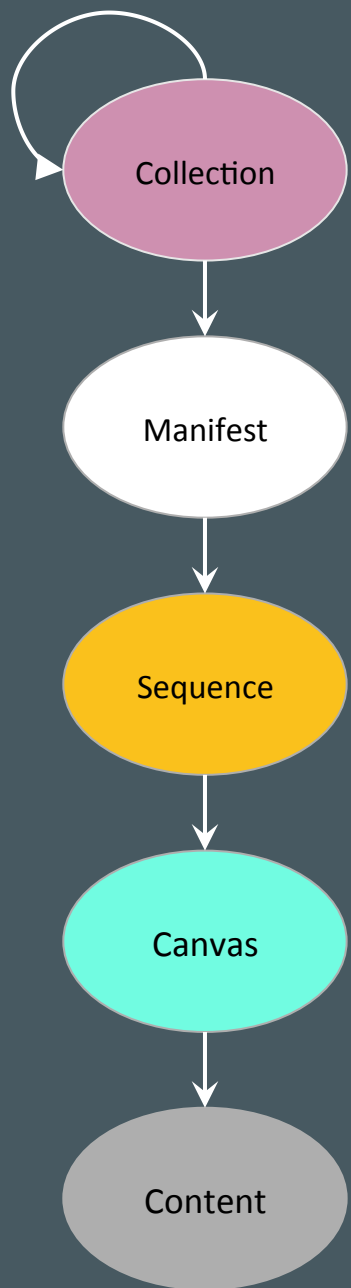


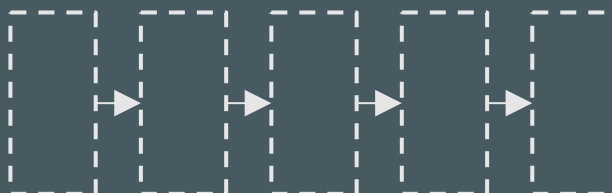
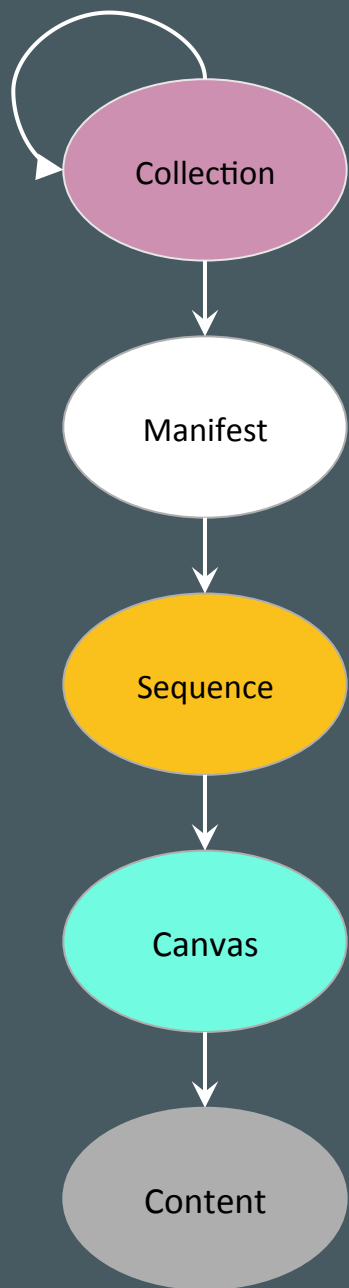
Shared Canvas Data Model & More Annotation



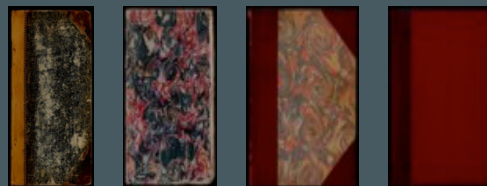
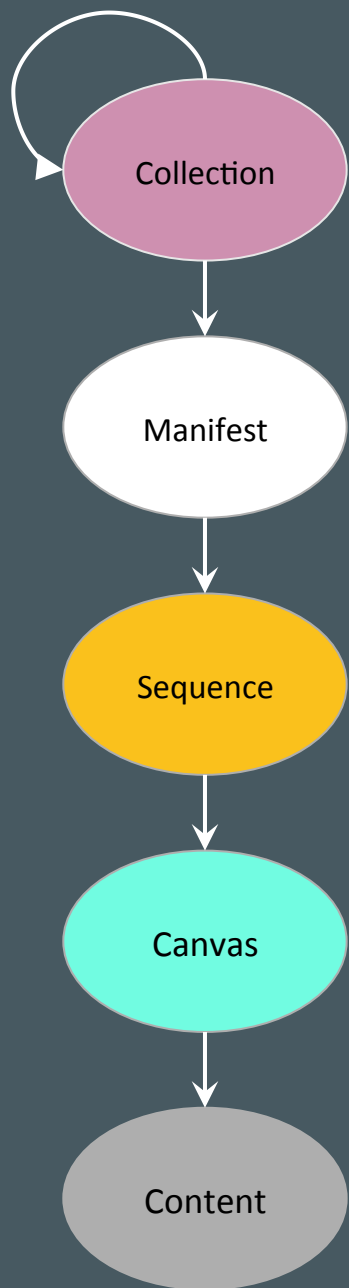






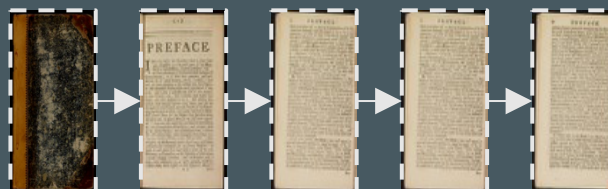


```
{  
  label: "The institution of civil government"  
  metadata: [  
    { label: "Author", value: ["Benjamin Hoadly"] }  
  ]  
  ...  
}
```



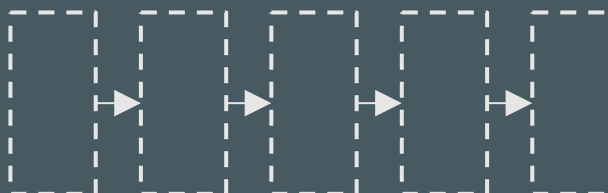
```

{
  label: "The XYZ Collection"
  manifests: [
    ...
  ]
}
  
```



```

{
  label: "The institution of civil government"
  metadata: [
    { label: "Author", value: ["Benjamin Hoadly"] }
  ]
  ...
}
  
```

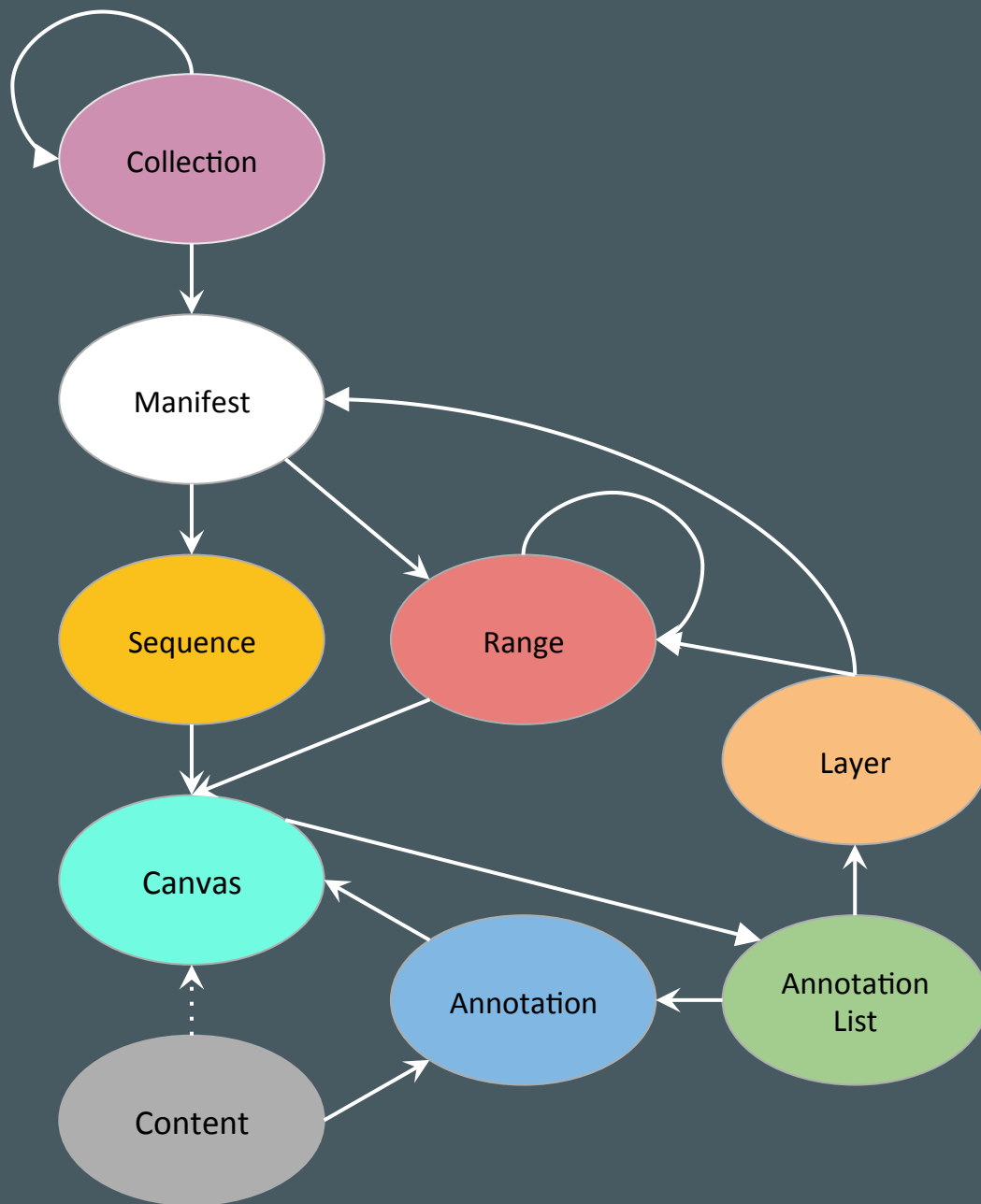


Other Properties

- Descriptive Properties
(label, metadata, description, thumbnail)
- Rights and Licensing Properties
(attribution, license, logo)
- Technical Properties
(viewing direction, viewing hints, width, height, ...)
- Linking Properties
(related, see also, start canvas, within, ...)
- Paging Properties
(first, last, next, total)

Other Types

- Annotation
- Annotation List
- Layer
- Range



Linked data for JavaScript Clients – JSON-LD

```
{
  // Metadata about this manifest file
  "@context": "http://iiif.io/api/presentation/2/context.json",
  "@id": "http://example.org/iiif/book1/manifest",
  "@type": "sc:Manifest",

  // Descriptive metadata about the object/work
  "label": "Book 1",
  "metadata": [
    {"label": "Author", "value": "Anne Author"},
    {"label": "Published", "value": [
      {"@value": "Paris, circa 1400", "@language": "en"},
      {"@value": "Paris, environ 1400", "@language": "fr"}
    ]
  },
  {"label": "Notes", "value": ["Text of note 1", "Note 2"]},
  {"label": "Source",
   "value": "<span>From: <a href=\"http://example.org/db/1.html\">Some Collection</a></span>"}
  ],
  "description": "A longer description of this example book. It should give some real information.",
  "thumbnail": {
    "@id": "http://example.org/images/book1-page1/full/80,100/0/default.jpg",
    "service": {
      "@context": "http://iiif.io/api/image/2/context.json",
      "@id": "http://example.org/images/book1-page1",
      "profile": "http://iiif.io/api/image/2/level1.json"
    }
  }
},
```

Core design principles:

IIIF specifications conform to Linked Data, and relevant web architecture standards

... ensure that the representation of the Linked Data is as easy to use as possible without the need for a full RDF development suite. Developers must be able to treat the representation as plain JSON, with a predictable structure.

http://iiif.io/api/annex/notes/design_patterns/



Sample Collection description from National Library of Wales

[http://dams.llgc.org.uk/iiif/archive/
3975658/fonds.json](http://dams.llgc.org.uk/iiif/archive/3975658/fonds.json)

Short link: <https://goo.gl/df3xxb>

(bandwidth permitting)



Coming Soon: IIIF A/V & Presentation 3.0

- Significant support via British Library “Save our Sounds” grant from Mellon Foundation
- Add a time dimension to the Canvas model: x,y or t or x,y,t
- Change to W3C Web Annotation Data Model (from Open Annotation) ... *more about this later*
- Greater regularity and better internationalization by standardizing on Language Map pattern
- Target beta for review by May 2018 (IIIF Conference), and release in late 2018

Draft at: <http://prezi3.iiif.io/api/presentation/3.0/>

