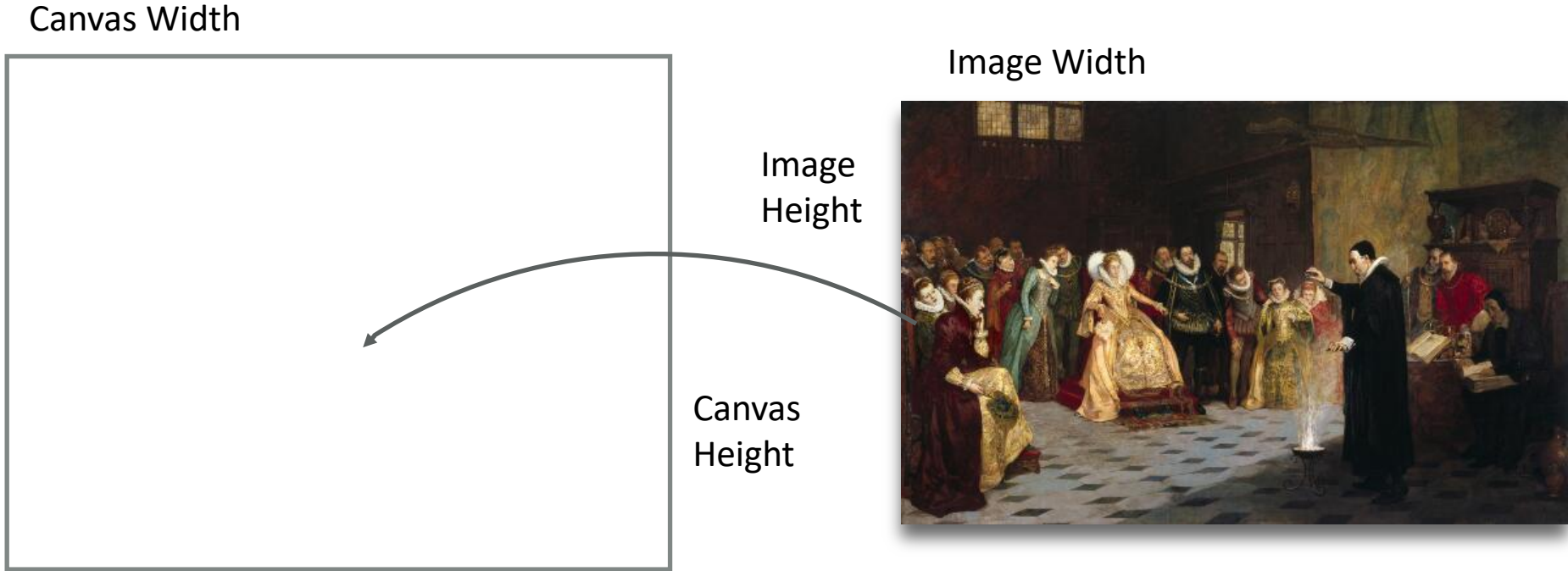


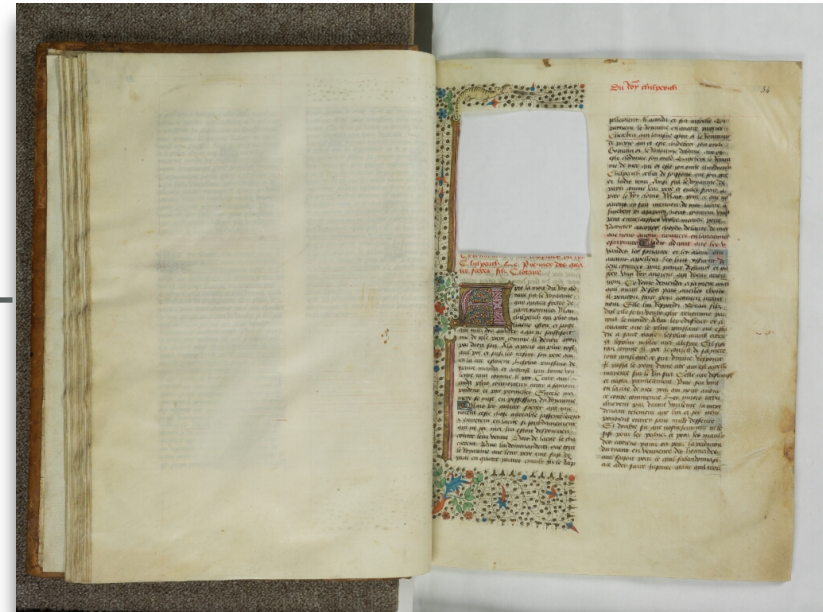
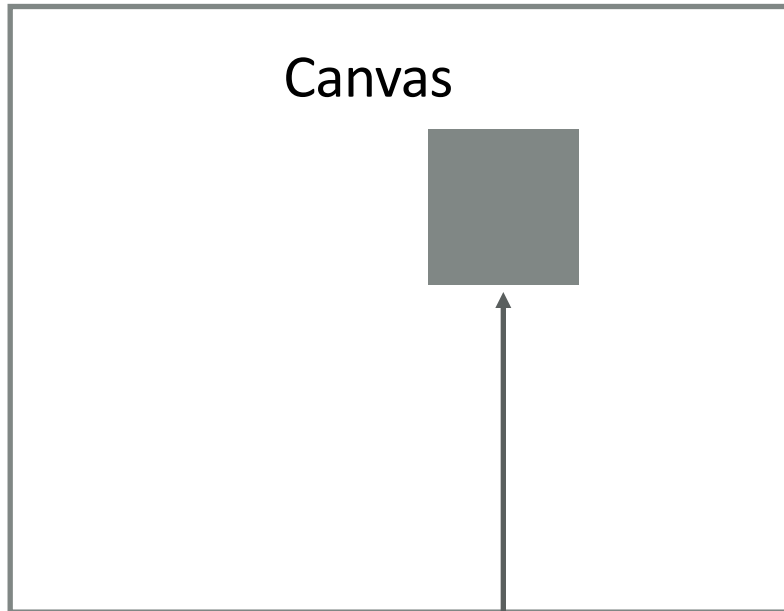
IIIF and 3D

Canvas is King – IIIF 2.x

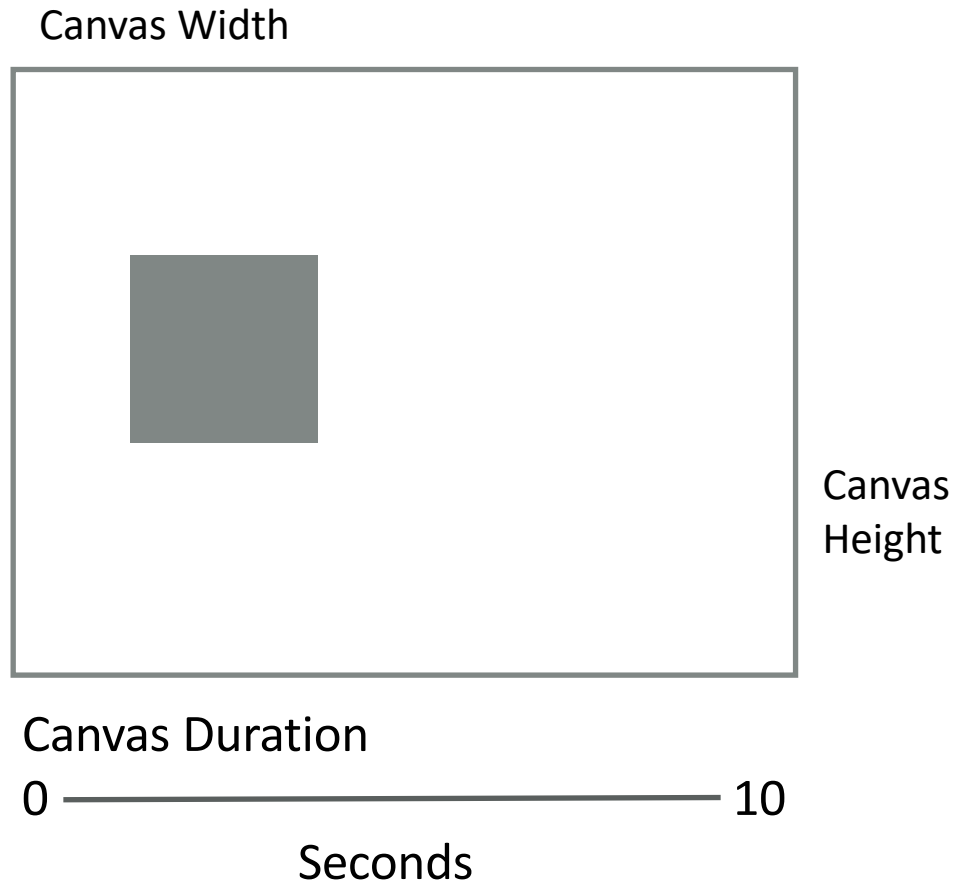


Examples so far:
Canvas Width = Image Width,
Canvas Height = Image Height

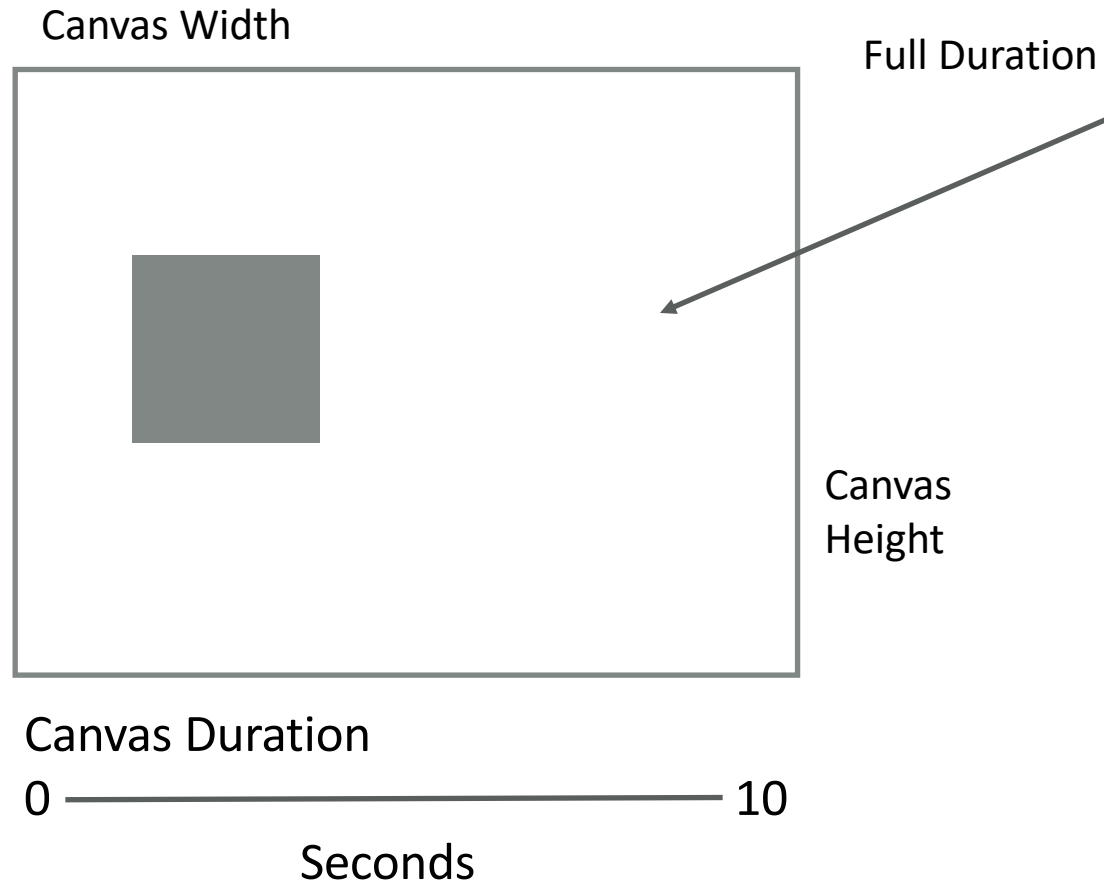
Multi Images



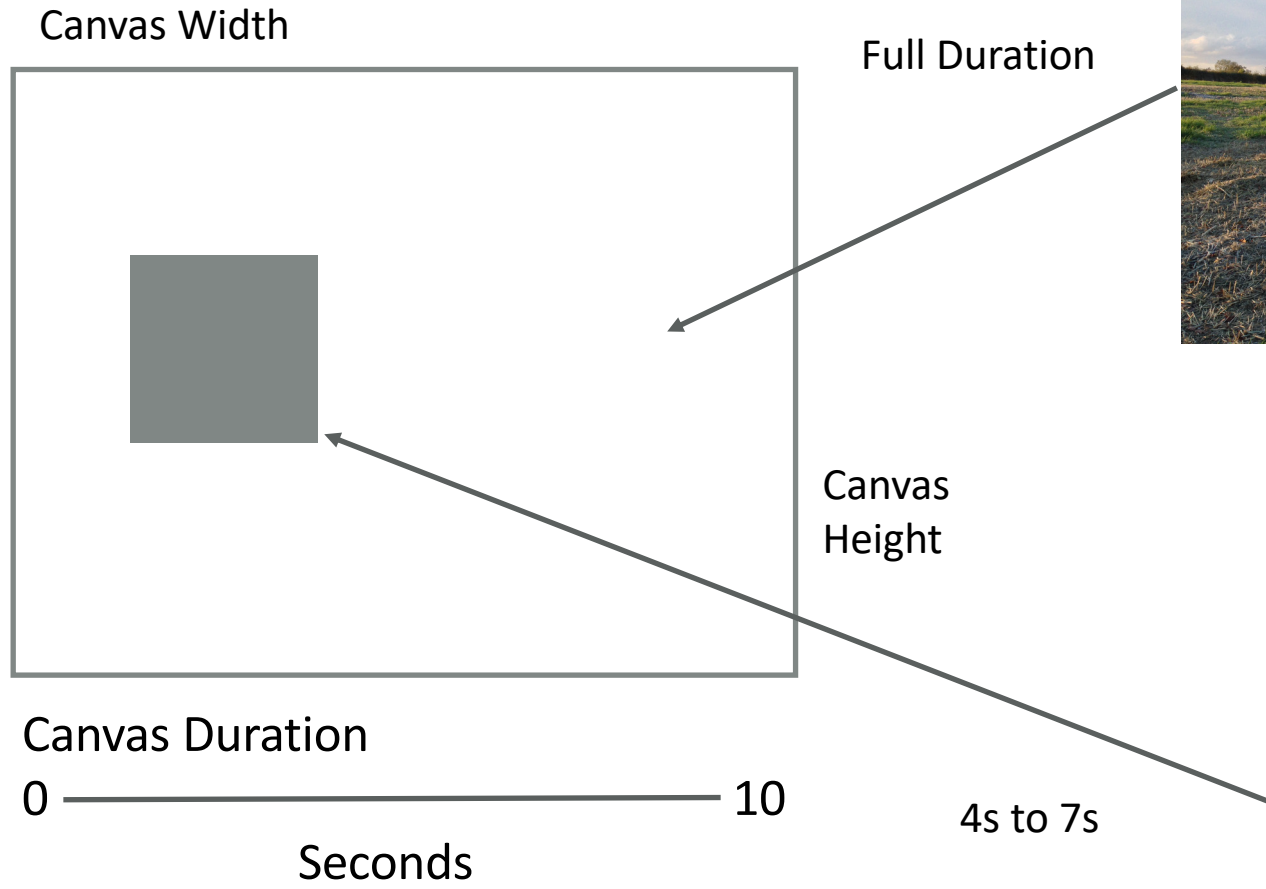
IIIF Audio + Visual



IIIF Audio + Visual



IIIF Audio + Visual



Canvas in JSON

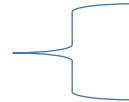


```
11 {
12   "id": "https://iiif.io/api/cookbook/recipe/0003-mvm-video/canvas",
13   "type": "Canvas",
14   "height": 360,
15   "width": 640,
16   "duration": 572.034,
17   "items": [
18     {
19       "id": "https://iiif.io/api/cookbook/recipe/0003-mvm-video/canvas/page",
20       "type": "AnnotationPage",
21       "items": [
22         {
23           "id": "https://iiif.io/api/cookbook/recipe/0003-mvm-video/canvas/page/annotation",
24           "type": "Annotation",
25           "motivation": "painting",
26           "body": {
27             "id": "https://fixtures.iiif.io/video/indiana/lunchroom_manners/high/0003-mvm-video",
28             "type": "Video",
29             "height": 360,
30             "width": 480,
31             "duration": 572.034,
32             "format": "video/mp4"
33           },
34           "target": "https://iiif.io/api/cookbook/recipe/0003-mvm-video/canvas"
35         }
36       ]
37     }
38   ]
39 }
```

Canvas in JSON



Canvas Dimensions

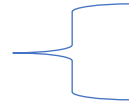


```
11 {
12   "id": "https://iiif.io/api/cookbook/recipe/0003-mvm-video/canvas",
13   "type": "Canvas",
14   "height": 360,
15   "width": 640,
16   "duration": 572.034,
17   "items": [
18     {
19       "id": "https://iiif.io/api/cookbook/recipe/0003-mvm-video/canvas/page",
20       "type": "AnnotationPage",
21       "items": [
22         {
23           "id": "https://iiif.io/api/cookbook/recipe/0003-mvm-video/canvas/page/annotation",
24           "type": "Annotation",
25           "motivation": "painting",
26           "body": {
27             "id": "https://fixtures.iiif.io/video/indiana/lunchroom_manners/high/0003-mvm-video",
28             "type": "Video",
29             "height": 360,
30             "width": 480,
31             "duration": 572.034,
32             "format": "video/mp4"
33           },
34           "target": "https://iiif.io/api/cookbook/recipe/0003-mvm-video/canvas"
35         }
36       ]
37     }
38   ]
39 }
```




Canvas in JSON

Canvas Dimensions



https URL to video

```
11 {
12   "id": "https://iiif.io/api/cookbook/recipe/0003-mvm-video/canvas",
13   "type": "Canvas",
14   "height": 360,
15   "width": 640,
16   "duration": 572.034,
17   "items": [
18     {
19       "id": "https://iiif.io/api/cookbook/recipe/0003-mvm-video/canvas/page",
20       "type": "AnnotationPage",
21       "items": [
22         {
23           "id": "https://iiif.io/api/cookbook/recipe/0003-mvm-video/canvas/page/ai",
24           "type": "Annotation",
25           "motivation": "painting",
26           "body": {
27             "id": "https://fixtures.iiif.io/video/indiana/lunchroom_manners/high/",
28             "type": "Video",
29             "height": 360,
30             "width": 480,
31             "duration": 572.034,
32             "format": "video/mp4"
33           },
34           "target": "https://iiif.io/api/cookbook/recipe/0003-mvm-video/canvas"
35         }
36       ]
37     }
38   ]
39 }
```

Canvas in JSON



Canvas Dimensions

https URL to video

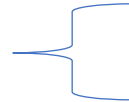
```
11 {
12   "id": "https://iiif.io/api/cookbook/recipe/0003-mvm-video/canvas",
13   "type": "Canvas",
14   "height": 360,
15   "width": 640,
16   "duration": 572.034,
17   "items": [
18     {
19       "id": "https://iiif.io/api/cookbook/recipe/0003-mvm-video/canvas/page",
20       "type": "AnnotationPage",
21       "items": [
22         {
23           "id": "https://iiif.io/api/cookbook/recipe/0003-mvm-video/canvas/page/ai
24           "type": "Annotation",
25           "motivation": "painting",
26           "body": {
27             "id": "https://fixtures.iiif.io/video/indiana/lunchroom_manners/high/
28             "type": "Video",
29             "height": 360,
30             "width": 480,
31             "duration": 572.034,
32             "format": "video/mp4"
33           },
34           "target": "https://iiif.io/api/cookbook/recipe/0003-mvm-video/canvas"
35         }
36       ]
37     }
38   ]
39 }
```

Video Dimensions



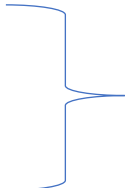
Canvas in JSON

Canvas Dimensions



```
11 {
12   "id": "https://iiif.io/api/cookbook/recipe/0003-mvm-video/canvas",
13   "type": "Canvas",
14   "height": 360,
15   "width": 640,
16   "duration": 572.034,
17   "items": [
18     {
19       "id": "https://iiif.io/api/cookbook/recipe/0003-mvm-video/canvas/page",
20       "type": "AnnotationPage",
21       "items": [
22         {
23           "id": "https://iiif.io/api/cookbook/recipe/0003-mvm-video/canvas/page/annotation",
24           "type": "Annotation",
25           "motivation": "painting",
26           "body": {
27             "id": "https://fixtures.iiif.io/video/indiana/lunchroom_manners/high/1",
28             "type": "Video",
29             "height": 360,
30             "width": 480,
31             "duration": 572.034,
32             "format": "video/mp4"
33           }
34         }
35       ]
36     }
37   ]
38 }
39 }
```

https URL to video



Video Dimensions

Link to canvas

```
34   "target": "https://iiif.io/api/cookbook/recipe/0003-mvm-video/canvas"
```

Questions for the 3d group

Canvas Dimensions

```
13 | type: canvas,  
14 | "height": 360,  
15 | "width": 640,  
16 | "duration": 572.034,  
17 | "items": [
```





Questions for the 3d group

https links to 3d

- File formats?
- Single files?
- Image API equivalent?

https URL to video

```
26 | "body": {  
27 |   "id": "https://fixtures.iiif.io/video/indiana/lunchroom_manners/high/"  
28 |   "type": "Video",  
29 |   "height": 360,  
30 |   "width": 480,  
31 |   "duration": 572.034,  
32 |   "format": "video/mp4"  
33 | },
```



Questions for the 3d group

Link to canvas

```
33 | }  
34 | "target": "https://iiif.io/api/cookbook/recipe/0003-mvm-video/canvas"  
35 | }
```

IIIF and Annotations uses W3C media frags <https://www.w3.org/TR/media-frags/>

- Examples:
 - <http://www.example.com/example.ogv#t=10,20>
 - <http://www.example.com/example.ogv#track=audio&t=10,20>
 - <http://www.example.com/example.ogv#id=Cap%C3%ADtulo%202>
- IIIF example:
 - <http://canvas/id#xywh=10,10,500,500&t=10,20>
 - Box on canvas 10 from top 10 from left 500 width and height showing from 10 seconds to 20 seconds
- It is possible to define your own selectors:
 - See IIIF point selector: <https://iiif.io/api/annex/openannotation/#point-selector>



IIIF Design patterns

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

- 2.2. Select Solutions That Are as Simple as Possible and No Simpler
- 2.4. Avoid Dependency on Specific Technologies
- 2.9. Use Existing Standards Where Possible
- 2.10. Follow Existing Best Practices