Abstract
The University of Oklahoma Libraries launched an international exhibit in 2015 called Galileo’s World (http://galileo.ou.edu) featuring our unique History of Science collections. The Drupal-based exhibit site links to high-resolution scans in an Islandora repository (https://repository.ou.edu) using an Islandora-specific fork of oEmbed (http://oembed.com) that will be contributed to the Islandora Foundation in 2016.

What is oEmbed and how does it work?
OEmbed is an open format designed to allow embedding content from a website into another page of another website [1]. It has become the mainstream standard to implement rich media embeds. Hundreds of millions of oEmbed requests are sent out monthly [2]. Users can send a URL following the oEmbed format to request the resources (e.g. pictures, videos, audios) from a provider (e.g. YouTube, Flickr, Vimeo), and the returned response can be interpreted and displayed as embedded pictures, videos or ANYTHING in the webpage.

Embedding work has never been so easy!
Before oEmbed, one had to do this…
<iframe width="459" height="344" src="https://www.youtube.com/embed/dQw4w9WgXcQ" feature=oembed" frameborder=0" allowfullscreen></iframe>

After oEmbed, it’s this easy…
http://www.youtube.com/watch?v=dQw4w9WgXcQ

OU Libraries: Pre-requisites for embedding Internet Archive BookReader
Client website needs:
- Drupal oEmbed module
- oEmbed service provider set up as the repository server
- Created oEmbed field or link to host the embedded book reader

Repository server needs:
- Islandora embed module which responds with JSON or XML text to the requests

OU Libraries: The embedding process
Client oEmbed link or field with a url:
http://repository.ou.edu/embed/uuid/1234s://

The endpoint
https://repository.ou.edu/embed_service/uuid/1234

The scheme
https://repository.ou.edu/insert_service/uuid/1234

Sending the remote repository server

OEmbed module converts it to the format
Islandora Embed module processes the request and sends back the JSON/XML response

Future plans:
- Contribute the source code of Islandora Embed to the Islandora code base.
- Expand the oEmbed service to other Islandora data models.

Source code:
- The Islandora Embed module: https://github.com/OULibraries/islandora_embed.git
- The Islandora Embed theme: https://github.com/OULibraries/islandora_embed_theme

Reference: