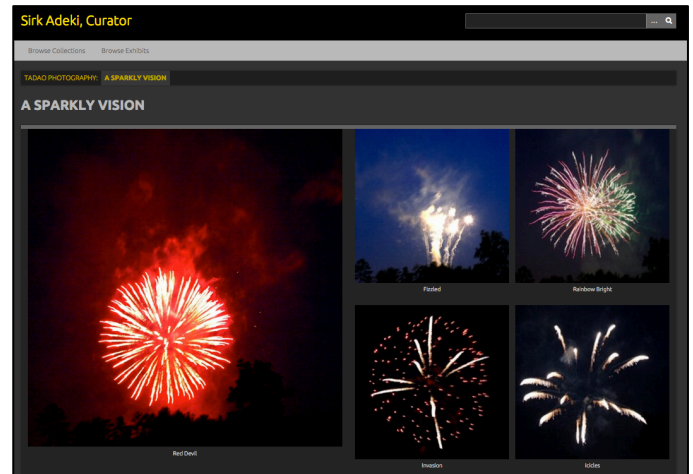


Tadao Photography: A Sparkly Vision is a compilation from years of collecting firework imagery on the fourth of July during public celebrations throughout the United States of America.

This proposed Omeka exhibition is supported by the DIG540, 2015 Fall Division. The online presentation of this exhibition will be curated by Sirk Adeki.

This online exhibition will consist of a collection of still photography and video imagery.



The intended audience is art enthusiasts, collectors, and the inquisitive. Digital photographers and pyrotechnicians encouraged! The online gallery is meant to draw international interest, as well as interest from those unable to visit a physical gallery.

Prototype consists of:

13 Items 1 Collection 5 Tags 1 Plugin Seasons theme 1 Exhibit

Link to prototype: kkikeda.omeka.net

Complete exhibition will consist of:

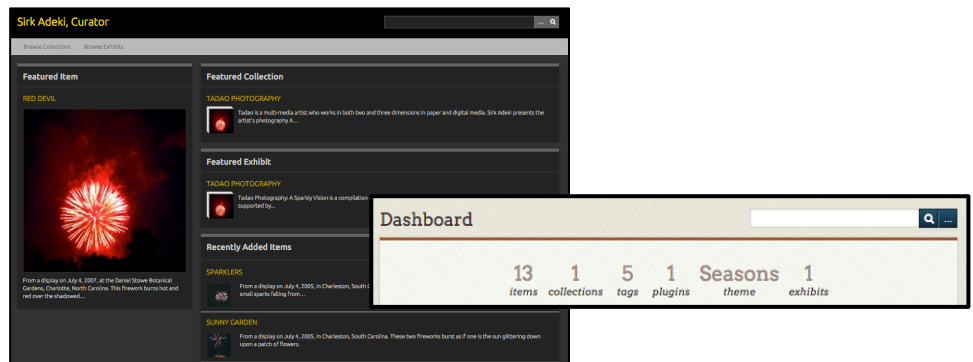
45 Items 1 Collection 5 Tags 2 Plugins Seasons theme 1 Exhibit

Required Plug-Ins

- Exhibit Builder
- Restricted Rights

Required Libraries

- ImageMagick



Site Breakdown

Theme Seasons, Night
Header & Footer

Logo File	Null
Footer Text	© Copyright Sirk Adeki, 2015. All rights reserved. Please refer to the individual images for copyright information.
Display Copyright in Footer	Unchecked
Use Advanced Site-wide Search	Checked
Homepage	
Display Featured Item	Checked
Display Featured Collection	Checked
Display Featured Exhibit	Checked
Homepage Recent Items	Null
Homepage Text	Null
Items	
Item File Gallery	Unchecked

Navigation

Browse Items	Unchecked
Browse Collections	Checked
Browse Exhibits	Checked
Add a Link to the Navigation	Null

Settings

Derivative Size Constraints (in pixels)

Fullsize Image Size	800
Thumbnail Size	200
Square Thumbnail Size	200

Display Settings

Results per Page (admin)	10
Results per Page (public)	10
Show Empty Elements	Unchecked
Show Element Set Headings	Checked

Archive

Use standard archive/browse page that is automatically generated by Omeka. By default, the items appear in reverse chronological order beginning with the most-recently added.

Exhibits

Each exhibit will be built using Exhibit Builder and using different layouts to display the content. The prototype was created with 2 Blocks.

Block 1 (Gallery) contains 5 Items

Items are defaulted as Public (unchecked), Feature (unchecked). A system administrator must check Public for public viewing in the Exhibit, and must choose a single Item to be featured. Only that Item should be checked as Feature.

Layout Options

Showcase File Position	Left
Gallery Position	Right
Gallery File Size	Square Thumbnail
Captions Position	Center

Block 2 (Gallery) contains 8 Items

Items are defaulted as Public (unchecked), Feature (unchecked). A system administrator must check Public for public viewing in the Exhibit. No Feature item is used in this Block.

Layout Options

Showcase File Position	No showcase file
Gallery Position	Left
Gallery File Size	Square Thumbnail
Captions Position	Center

Exhibit Metadata

Title	Tadao Photography
Slug	tadao-photography
Credits	Tadao
Description	Tadao Photography: A Sparkly Vision is a compilation from years of collecting firework imagery on July 4th. This exhibition is supported by the DIG500, 2015 Fall Division. The online presentation of this exhibition was curated by Sirk Adeki.
Tags	4th of July, celebration, fireworks, Independence Day (United States), patriotic
Use Summary Page?	Unchecked

Page Metadata

Title	A Sparkly Vision
Slug	tadao-photo-sparkly-vision

Plugins

Exhibit Builder

Select exhibit page navigation style	Full-width
--------------------------------------	------------

Restricted Rights

Watermark	<i>Varies by image</i>
License	<i>Varies by image</i>
Disable Right-Click	<i>Varies by image</i>

Metadata

Omeka has a standard installation and a variety of plug-ins that will handle most exhibition needs. The standard installation will accommodate:

Basic Metadata: Dublin Core Metadata Initiative

Title	Title as given to the piece by Tadao
Subject	Topic of the piece. For this exhibition, all will be tagged as "Fireworks display"
Description	A description of the piece to include the date, the location, and enough remarks for identification
Creator	All will be tagged as "Tadao"
Source	Physical location in the country for where the fireworks display was viewed
Publisher	All will be tagged as "Sirk Adeki" who will curate this online exhibition
Date	Date of viewed fireworks display from which the piece was derived
Contributor	All will be tagged as "DIG540, 2015 Fall Edition" to recognize a major resource contributor
Rights	TO BE ENHANCED WITH NEW PLUG-IN
Relation	All will be tagged as "Tadao Studios"
Format	Will refer to file format, physical medium and/or dimension of the piece, as applicable
Language	All will be tagged as "English"
Type	Tagged as "Digital Photography" or "Video Photography," as applicable

Identifier	Tagged as “Tadao Photography: A Sparkly Vision –” to be followed by the name of the piece
Coverage	Tagged as “Tadao Photography: A Sparkly Vision”
Bibliographic Citation	A reference note as composed by Omeka

Still Images

Object Type Description	A static visual representation. All of Tadao’s still photography will be tagged as Still Image.
Common Format Files	Specifically, JPEG
Metadata Elements	
Original Format	Digital Photograph
Resolution	Varies by image (pixels)
Dimensions	Varies by image (pixels)
Physical Dimensions	Not applicable

Dublin Core

Title
Red Devil

Subject
Fireworks display

Description
From a display on July 4, 2007, at the Daniel Stowe Botanical Gardens, Charlotte, North Carolina. This firework burns hot and red over the shadowed trees.

Creator
Tadao

Source
Daniel Stowe Botanical Gardens

Publisher
Sirk Adeki

Date
July 4, 2007

Contributor
DIG 500, 2015 Fall Division

Still Image Item Type Metadata

Original Format
Photo

Physical Dimensions
1045px x 1055px

Moving Images

Description	A moving visual representation. All of Tadao’s videos will be tagged as Moving Images.
Common Format Files	Specifically, MP4

Metadata Elements	
Transcription	Not applicable
Original Format	Digital video
Duration	Varies (seconds)
Compression	Varies
Producer	Tadao
Director	Tadao

New Plug-In: Restricted Rights

Omeka.net (free version) only allows for text in the Rights metadata category. To adhere to the contract with Tadao Studios, a new plug-in will be designed.

Data Model

Watermark

id
check (field value: 1 or 0)
textShade (field value: gray, white)
visibility
copyright
removeSpace (field value: 1 or 0)
standardLoc (field value: top, middle, bottom)
imgFile
customLocX1
customLocX2
customLocY1
customLocY2

usageLicense

id
check (field value: 1 or 0)
freePersonal (field value: 1 or 0)
freeCommercial (field value: 1 or 0)
modifyPersonal (field value: 1 or 0)
modifyCommerical (field value: 1 or 0)
usageFee (field value: 1 or 0)
noUsage (field value: 1 or 0)
usageLink

rightClick

id
check (field value: 1 or 0)

Functionality

Ability to watermark images, both thumbnails and full-size

Checked

Invokes a watermark across the center of the image

Unchecked

No watermark

Ability to apply a usage license, as necessary and as applicable

Checked

Applies usage license

Unchecked

No usage license applied

Ability to disable right-click "Save Image As" function

Checked

Disables the right-click save option for an image

Unchecked

Allows the right-click save option for an image

Under Development: Restricted Rights

Description	Restricted Rights provides a lightweight method for integrating watermarks and license selection into Omeka. It can also disable the right-click save option.
Bug Tracker	http://RestrictedRights.net/bugtrack
Code Repository	http://RestrictedRights.net/coderepository
Mailing List	http://RestrictedRights.net/maillinglists

RestrictedRights/

- **plugin.ini**

```
[info]
name = "RestrictedRights"
author = "Kris Ikeda"
description = "This plugin provides a lightweight method for integrating watermarks and license
selection into Omeka. It can also disable the right-click save option."
license = "GPLv3"
link = "http://RestrictedRights.net/"
support_link = "http://RestrictedRights.net/bugtrack"
version = "0.1"
omeka_minimum_version = "2.0"
omeka_tested_up_to = "2.3"
```

- **plugin.php**

Ability to watermark images, both thumbnails and full-size

By checking a box, the exhibition curator/designer can further choose to ensure the security of an image by adding the name of an organization or other copyright information to web images. There is no need to manually watermark each image in the collection. Once the watermark has been applied and saved, the mark cannot be removed from the image.

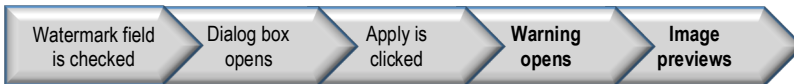


Checking the watermark box will open a dialog box with the following options:

Option	Explanation	User View	Default Setting
Text Shade	The color of the watermark can be either gray or white	Drop-down box with color choices: gray, white	Gray
Visibility	Determines how strong the watermark will appear	Displayed as a whole number with arrows to increase or decrease	80
Text	Text for the watermark	Text box	NULL
Remove Spaces	Checked box will remove extraneous spacing in text	Check box	Checked
Standard Location	Basic location for watermark	Drop-down box with choices: top, middle, bottom	Middle

Custom Location	Set coordinates to place the watermark as desired, can only be placed horizontally	Displayed as four individual whole numbers each with its own arrows to increase or decrease. *	x1 = null x2 = null y1 = null y2 = null
Apply	Click to apply watermark		

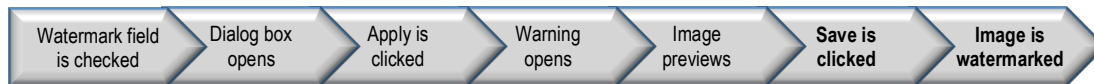
* The x coordinate is the number of a pixel along the horizontal axis. The y coordinate is the pixel across the vertical axis. x1 and y1 are the start point relative to the upper left corner of the image. The greater the difference between x1 and x2 and y1 and y2, the larger the watermark.



On Apply, a warning will appear with a Darken Visibility button, a Cancel button, and a Save button.

Warning! Once the watermark has been saved it cannot be removed from the image. Click **Save** to complete watermarking.

Image will be previewed with watermarking. Beneath image preview will be a Darken Visibility button, a Cancel button, and a Save button. User will click the Darken Visibility button repeatedly to increase the intensity of the watermark. When satisfied, the User will click Save to permanently mark the image.



ImageMagick will be used to create the watermark using its perceptual hash feature. Watermarked image replaces the original image in the database.

Possible Watermark Code

Would enhance Creator.php

```

if (strpos($newPath, 'fullsize') !== FALSE) {
    $cmd = join(' ', array(
        escapeshellcmd($this->_convertPath),
        escapeshellarg($newPath),
        'C:\imagemagick\logo.png ',
        '-alpha Set -compose dissolve -define compose:args=30 -gravity center -composite ', escapeshellarg($newPath) ));
    self::executeCommand($cmd, $status, $output, $errors);

    if ($status) {
        throw new Omeka_File_Derivative_Exception("ImageMagick failed with status code $status. Error output:\n$errors"); }

    if (!empty($errors)) {
        _log("Error output from ImageMagick:\n$errors", Zend_Log::WARN);
    }
}
  
```

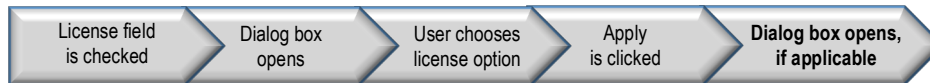
Ability to link usage license, as necessary and as applicable

By checking a box, the exhibition curator/designer can further choose to enhance the security of an image by applying a usage license. Licensing agreements can be updated as necessary.



Checking the usage license box will open a dialog box with the following options:

Option	User View	Default Setting
Free to use or share, personally	Check box	Unchecked
Free to use or share, commercially	Check box	Unchecked
Free to share or modify, personally	Check box	Unchecked
Free to share or modify, commercially	Check box	Unchecked
Usage fee *	Check box	Unchecked
No usage *	Check box	Checked



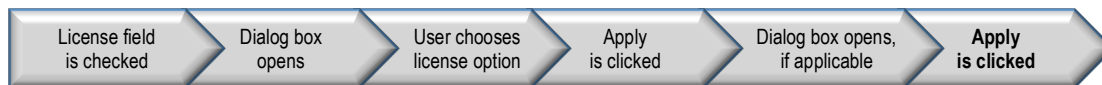
* Choosing Usage Fee or No Usage, requires additional information.

Usage Fee

- User will be able to further explain the fee structure (text box).

No Usage

- User will be able to further explain no usage (text box).



On Apply, an additional dialog box will appear asking the User for a licensing link. User may enter a URL to further explain the licensing on an image, or may leave the field empty.



During installation of this plugin, the system administrator will be able to choose type of license through a RestrictedRights Profile. Choices include: GNU Lesser General Public License (LGPL), Eclipse Public License (EPL), Apache License, Unlicense, and Creative Commons. License choices are global within an Omeka collection. On Save, the plugin will verify license header, will add the license header when missing, will update license header if existing, and will remove header as applicable.

Possible License Header Code

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<additionalHeaders>
  <javadoc_style>
    <firstLine>/**</firstLine>
    <beforeEachLine> * </beforeEachLine>
  
```



```
<endLine> */</endLine>
<afterEachLine></afterEachLine>
<!--skipLine></skipLine-->
<firstLineDetectionPattern>(\s|\t)*\^.*$</firstLineDetectionPattern>
<lastLineDetectionPattern>.*\s|\t)*$</lastLineDetectionPattern>
<allowBlankLines>>false</allowBlankLines>
<isMultiline>>true</isMultiline>
<padLines>>false</padLines>

</javadoc_style>
</additionalHeaders>
```

Ability to disable right-click “Save Image As” function

By checking a box, the exhibition curator/designer can further choose to ensure the security of an image by disabling the right-click save-image-as option.



Possible Disable Right-Click Code

```
<script type="text/javascript">
    var message="Function disabled!";

    function clickIE4() {
        if (event.button==2) {
            alert (message);
            return false;
        }
    }

    function clickNS4(e) {
        if (document.layers || document.getElementById&&!document.all) {
            if (e.which==2 || e.which==3) {
                alert (message);
                return false;
            }
        }
    }

    if (document.layers) {
        document.captureEvents(Event.MOUSEDOWN);
        document.onmousedown=clickNS4;
    }
    else if (document.all&&!document.getElementById) {
        document.onmousedown=clickIE4;
    }

    document.oncontextmenu=new Function("alert(message); return false")
</script>
```

- **models/**

File name: RestrictedRightsModel.php

Class definition: RestrictedRightsModel extends Omeka_record {}

- **controllers/**
File name: RestrictedRightsController.php
Class definition: RestrictedRights_RestrictedRightsController extends Omeka_Controller_Action {}
- **views/**
 - admin/
 - public/
 - shared/

Availability

- 2015-12-11: **Released 0.1**: Don't try to use this in production! Please do let us know how it works within your Omeka exhibition.

Version Expectations

Zero point __

There are no guarantees, though most features should function.

__ point Zero

We guarantee (unless there is an urgent situation) that these will not change:

- The programmatic interface will not change.
- The user interface for selecting rights restrictions (watermarks, licensing) will not change.

The following may change:

- Text may become increasingly internationalized.
- As new licensing options become available, options will be updated.