

Embedding the National LID Atlas

Adding the Map to Your Website – Add a Linked Image

1. Why you would add a linked image

If you have:

- little space on your Web page
- if you cannot add an iframe to your Web page for security reasons

You may add an image of the map to your Web page.

Example: http://extension.ucdavis.edu/unit/center_for_water_and_land_use/

2. Creating the image

The image will be a screen shot of the map zoomed and centered on your state.

- First, add projects to the National LID Atlas to make the image more interesting.
- Then, you can take a screen capture, with the map centered and zoomed in on your state
- Or ask David Dickson with the National NEMO Network to take a screen capture for you.
- You can save the capture as a jpeg or a gif file.

3. Adding the image to your Web page and hyperlinking it

- Save the image for your Web page based on your space requirements – Save the image as a small image if you do not have very much space. You will need to put the image online, too.
- Hyperlink the image to the National Web site:

<http://clear.uconn.edu/tools/lidmap>

An IT person can help you with this, if needed or necessary, if you send them both the image file and the link.

- You should add a caption to the image prompting visitors to click on the image and view the map. When they click on the image, the main map will open in a new window.

4. Example of the code

- You have added some projects to the National LID Atlas and took a screen shot. The image is saved as “ScreenShotOfOurState.gif.”
- You send the image file and the National LID Atlas link to your IT person, asking them to add the image and link to your Web page.

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- Your IT person will put the image online and add the following code to the Web page (Note: target=“_blank” means that the link will open in a new window):

```
<a href=“http://clear.uconn.edu/tools/lidmap/” target=“_blank”>  
<img src=“http:// mywebsite.com/imagefolder/ScreenShotOfOurState.gif”  
width=“35px” height=“40px”></a>
```

Adding the Map to Your Website – Add an Embedded Map

1. Why you would embed a full map

If you have:

- a large amount of Web page space (at least 850px wide by 850px tall) - you will need enough height and width for the project information balloons to open
- permission to add an iframe to the Web page
- and access to the Web page code or an IT staff person willing to copy and paste code for you

You may embed the page in your own Web site...as if the map were created on your page.

Example: <http://clear.uconn.edu/tools/lid>

2. Find parameters for your embedding

To embed the map you will need to copy and paste a line of code into your Web page. The code you need will include a URL with latitude and longitude coordinates and a zoom level so that when your Web page loads, it will center and zoom the map on your state.

First find the values we will need to complete the URL:

- Visit <http://mygeoposition.com>
- Zoom out and pan to your state
- Once you have your state in the map window, zoom in as much as possible while still showing all of your state in the map window (this is necessary later)
- Now, click on the center of your state in the map window
- Do not navigate away from this point!
- Record the latitude and longitude in decimal degrees that appear in the pop-up window (3 integers after the decimal place is plenty!)
 - Latitude = _____
 - Longitude = _____

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- Next we will find a “zoom” parameter. Zoom is how much the Google Map will be zoomed in when the map is loaded. Google Maps allows you to pick a zoom level 1-20, with 1 being the furthest zoomed out and 20 being the furthest zoomed in.
- To find the level of zoom that accurately displays your state, click on the “Link the map” tab on the top of the form on <http://mygeoposition.com>
- You get several options for links, but we just need a zoom level. In the “MyGeoPosition.com:” link, look for “zoomLevel=” in the link
- There will be a number that follows. That number is the zoom level (somewhere between 1-20) of the map as it is now (you should have zoomed in as much as possible while still seeing the whole state). In this example, the zoom level is 10.



- Record the zoom level
 - o Zoom Level = _____
- Finally, when you embed the map, only the projects in your state will be displayed.
- Record the initials of your state
 - o State Abbreviation = _____

3. Completing the embedding URL

Here is the skeleton of the URL that will be used to embed your map:

<http://clear.uconn.edu/tools/lidmap/embedmap.php?lat=&lng=&zoom=&stt=>

The first parameter is “lat=” – This is the parameter for the latitude that the map will center on when it is loaded.

Next is “lng=” – This is the parameter for the longitude that the map will center on when it is loaded.

Next is “zoom=” – This is the parameter for the zoom level of the map when it is loaded

Finally is “stt=” – This is the parameter for the state you wish to show projects for

- Add your latitude value after the “lat=” and before the “&” WITHOUT any spaces

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- Add your longitude value after the “lng=” and before the “&” WITHOUT any spaces (including the “-“ sign)
- Add your zoom level value after the “zoom=” and before the “&” WITHOUT any spaces
- Add your state abbreviation after the “stt=” at the very end

Example of a completed URL that centers and zooms on Connecticut:

<http://clear.uconn.edu/tools/lidmap/embedmap.php?lat=41.590&lng=-72.702&zoom=10&stt=CT>

- Now test your URL to make sure it is all OK. Open a new, blank Web page and copy and paste your completed URL in the address field
- The map that will be embedded on your page will open in the Web page, centered and zoomed based on your parameters
- Your zoom level may not be correct – in the URL where your zoom level is set, replace the number with a different number and reload the page to see if the new zoom level is better (Remember, the zoom level can be 1-20 and the smaller the number, the more zoomed out the map is, and the larger the number, the more zoomed in the map is). For example, in the link above, 10 is too zoomed in and we think 9 works better.
- Once you have found a better zoom level, record your zoom level:
 - o Better Zoom Level = _____
- And record your NEW URL if you made any changes (there are NO SPACES in the URL):
 - o http://clear.uconn.edu/tools/lidmap/embedmap.php?lat=_____&lng=_____&zoom=_____&stt=_____

For example, here is a NEW URL for Connecticut (note the new zoom parameter):

<http://clear.uconn.edu/tools/lidmap/embedmap.php?lat=41.590&lng=-72.702&zoom=9&stt=CT>

4. Completing the code

Now that we have a personalized URL you can embed the National LID Atlas into your Web page in an iframe. An iframe is like a box, or window, to the URL – we add the iframe and tell it to display the URL in the box.

Here is the skeleton of the iframe code needed to embed your map:

```
<iframe src="URL" width="850" height="850" frameborder="0" scrolling="no" marginheight="0" marginwidth="0"></iframe>
```

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You can set the width and height to whatever you wish, but we recommend at least 850 pixels by 850 pixels to ensure that the sidebar and map are fully visible on your Web page.

Next, the “frameborder=0” makes the border of the iframe window blank. “Scrolling=no” means that no scrollbar is added to the iframe window if it cannot fit everything into the window.

“Marginheight” and “Marginwidth” will add margins to the iframe. We have found that the embedded map loads best if you leave these as the default, “0” and “no”.

- Paste you URL into the following code after “src=”, where the code says “URL”:

```
<iframe
src="http://clear.uconn.edu/tools/lidmap/embedmap.php?&lat=41.590&lng=-72.702&zoom=9&stt=CT" width="850" height="850"
frameborder="0" scrolling="no" marginheight="0" marginwidth="0">
</iframe>
```

5. Embedding your map

You have a completed iframe code with your personalized URL ready to go.

- Copy and paste the iframe code into your Web page where you wish to add the map.
- Or, ask your IT person to copy and paste the iframe code into your Web page for you.

More Examples:

Rhode Island’s embedded map code:

```
<iframe
src="http://clear.uconn.edu/tools/lidmap/embedmap.php?&lat=41.665&lng=-71.469&zoom=9&stt=RI" width="850" height="850" frameborder="0" scrolling="no"
marginheight="0" marginwidth="0">
</iframe>
```

Colorado’s embedded map code:

```
<iframe
src="http://clear.uconn.edu/tools/lidmap/embedmap.php?&lat=39.078&lng=-105.468&zoom=7&stt=CO " width="850" height="850"
frameborder="0" scrolling="no" marginheight="0" marginwidth="0">
</iframe>
```