

Geo'Cart 2018 - 4 September 2018
ANZMapS Historical Maps Online Workshop
with Chris Fleet, National Library of Scotland

Workshop home page: <https://geo.nls.uk/maps/geocart2018/index.html>

Background notes:

This introductory workshop aims to provide you with basic information on building web-mapping applications using *OpenLayers* 4. It will use examples, historical georeferenced maps and tools drawn from the National Library of Scotland [Map Images](#) website. The map applications are divided into two main categories:

1. Search and retrieval of series maps
2. Viewing and Interacting with georeferenced maps

You should leave with working dynamic map applications and the confidence to build on these and create new ones in future.

All these applications can be viewed at: <https://geo.nls.uk/maps/geocart2018/index.html>

All these applications can be downloaded from: <https://geo.nls.uk/maps/dev/geocart/openlayers.zip>

Do I need to prepare in advance?

- No, but if you are interested in exploring, you are welcome to [view the online applications](#) to see what they do. If you want to look at the code and experiment, you can [download the applications zip file](#) and extract the files into a local folder/directory. This will be done at the outset of the workshop, so that all participants are able to view and work on the demo applications locally.

A few useful links for background in the workshop:

- Main OpenLayers website: <https://openlayers.org/>
(includes [examples](#), [tutorials](#), and [API](#))
- OpenLayers workshop <https://openlayers.org/workshop/>
- The OpenLayers code can be downloaded from: <https://openlayers.org/download/>
This includes the following minimum files:
 - ol.css
 - ol.js
 - can use *ol-debug.js* instead of *ol.js* for developing
- OpenLayers documentation / FAQ, and Stack Overflow links
<https://openlayers.org/en/latest/doc/>

Other useful related tutorials/websites:

- <http://geojson.io/> a quick and simple site for creating, drawing, or converting vector data like GEOJSON, KML, or CSV files. Useful too for global lat/lon values for places
- NLS Map resources:
 - NLS Maps website: <https://maps.nls.uk>
 - Brief blog piece (2017) on [Using the Library's open source map viewers](#)

- [NLS Github code for map viewers](#)
- NLS Historic Map Tileset URLs quick list at:
https://wiki.openstreetmap.org/wiki/National_Library_of_Scotland
- NLS Historic Map Tileset URLs comprehensive list:
<https://maps.nls.uk/geo/scripts/explore-layers.js>

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