



# Import/Export Quick Guide for the SCOUT GIS User

## Status of Import/Export functionality in SCOUT and GIS User Tips & Tricks

Updated: June 5, 2017

### Import/Export Functionality Status

	File Format	Status	Comments
<b>IMPORT</b>	Web Map Service (WMS)	Functional	See tips & tricks for optimal user workflows.
	Web Feature Service (WFS)	Non-Functionality	Researching Root Cause
	ArcGIS REST Map Services	Functional	See tips & tricks for optimal user workflows.
	ArcGIS REST Feature Services	Non-Functional	Researching Root Cause
	KML	Functional	See tips & tricks for optimal user workflows.
	KMZ	Functional	See tips & tricks for optimal user workflows.
	Shape File	Partial Functional	Some point symbols and colors do not import accurately. Researching Root Cause See tips & tricks for optimal user workflows.
	GPX	Researching Functionality	
	GeoJSON	Researching Functionality	
<b>EXPORT</b>	Web Map Service Capabilities	Non-Functional	No workaround at this time.
	Web Feature Service Capabilities	Non-Functional	No workaround at this time.
	Shape Files	Partial Functionality	Some point symbols and colors do not export accurately. Researching Root Cause See tips & tricks for optimal user workflows.
	KML	Partial Functionality	See tips & tricks for optimal user workflows.



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## Data Import Tips and Tricks

Issue	Root Cause Analysis	Optimal/Alternative Workflow
<b>KML imports but does not display</b>	<p>1 – Can occur if .KML has been separated from a .KMZ</p> <p>2 – format issue with originating .KML/.KMZ.</p> <p>3 – URL network link issue</p> <p>4 – Ground Overlay tags may not be supported in Open Layers, which renders the file in SCOUT.</p>	<p>1 – Modify extension from .KML to .KMZ. Save and re-import into SCOUT.</p> <p>2 – Upload .KML/.KMZ file to <a href="http://www.gisconvert.com/#">www.gisconvert.com/#</a>. Chose KML as output. Upload newly formatted .KML into SCOUT.</p> <p>3 – Unzip the KMZ using a tool such as "open with Winzip". Within KMZ will be a KML. Open the KML file in Notepad. Scroll down and take the embedded link to:  <a href="http://egis.fire.ca.gov/arcgis/rest/services/FRAP/USFSTreeMortality_2016/MapServer/">http://egis.fire.ca.gov/arcgis/rest/services/FRAP/USFSTreeMortality_2016/MapServer/</a>. Enter in SCOUT under ArcGISRest. Unsecured. Data displays an available layer: Tree Mortality (Dead Trees Per Acre).</p> <p>4 – no workaround. Tags not supported.</p>
<b>KML loads/performs slowly</b>	<p>1 –Can occur if .KML file size is large or if .KML contains an external reference calling a large amount of data (such as a lightning layer).</p> <p>2 – If Refresh Rate is high (such as :30) could also impact performance.</p>	<p>1 – If available, import as a Map Service instead of .KML format to increase performance.</p> <p>2 – Select lowest available Refresh Rate of 5:00.</p>
<b>Shapefile does not display symbology or all colors</b>	<p>1 – Shapefile symbology requires .sld file, which is optional in SCOUT import process.</p>	<p>1 – Include a .sld file, if available, during the Shapefile import process.</p> <p>Alternatively, import as a .KMZ or map service, if available.</p>



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## Data Import Tips and Tricks (con't)

Issue	Root Cause Analysis	Optimal/Alternative Workflow
<b>Feature Service does not import via ArcGISRest or WFS</b>	Researching Root Cause.	If available, import via a Map Service instead.
<b>Cannot import a secure web service</b>	Researching Root Cause	No workaround. Import an unsecured version of the web service, if available.

## Data Export Tips and Tricks

Issue	Root Cause Analysis	Optimal/Alternative Workflow
<b>WMS or WFS export produces a .XML with a link that can't be accessed</b>	Can occur if .KML has been separated from a .KMZ	No workaround at this time.
<b>Shapefile and Static KML exports don't include all symbology from the users current Room</b>	Export may display different symbology for points and lines.  Polygons export correctly.	No workaround at this time.  User can export data but exported layer may display different symbology.