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

Updated: May 31, 2017

**DRAFT**

# Import/Export Functionality Status

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| --- | --- | --- | --- |
|  | File Format | Status | Comments |
| IMPORT | 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 |  |
| EXPORT | 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

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| --- | --- | --- |
| Issue | Root Cause Analysis | Optimal/Alternative Workflow |
| KML imports but does not display | 1 – Can occur if .KML has been separated from a .KMZ  2 – format issue with originating .KML/.KMZ.  3 – URL network link issue  4 – Ground Overlay tags may not be supported in Open Layers, which renders the file in SCOUT. | 1 – Modify extension from .KML to .KMZ. Save and re-import into SCOUT.  2 – Upload .KML/.KMZ file to [www.gisconvert.com/#](http://www.gisconvert.com/). Chose KML as output. Upload newly formatted .KML into SCOUT.    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:  http://egis.fire.ca.gov/arcgis/rest/services/FRAP/USFSTreeMortality\_2016/  MapServer/. Enter in SCOUT under ArcGISRest. Unsecured. Data displays an available layer: Tree Mortality (Dead Trees Per Acre).  4 – no workaround. Tags not supported. |
| KML loads/performs slowly | 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).  2 – If Refresh Rate is high (such as :30) could also impact performance. | 1 – If available, import as a Map Service instead of .KML format to increase performance.  2 – Select lowest available Refresh Rate of 5:00. |
| Shapefile does not display symbology or all colors | 1 – Shapefile symbology requires .sld file, which is optional in SCOUT import process. | 1 – Include a .sld file, if available, during the Shapefile import process.  Alternatively, import as a .KMZ or map service, if available. |

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

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| Issue | Root Cause Analysis | Optimal/Alternative Workflow |
| Feature Service does not import via ArcGISRest or WFS | Researching Root Cause. | If available, import via a Map Service instead. |
| Cannot secure imported layer | Researching Root Cause | Select “No” when asked to secure feed and proceed forward with import. |

## Data Export Tips and Tricks

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| Issue | Root Cause Analysis | Optimal/Alternative Workflow |
| WMS or WFS export produces a .XML with a link that can’t be accessed | Can occur if .KML has been separated from a .KMZ | No workaround at this time. |
| Shapefile and Static KML exports don’t include all symbology from the users current Room | 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. |