

# ArcGIS to QGIS in One Easy Lesson with SLYR

FOSS4G Online UK 2020  
Ant Scott MapAction  
17 June 2020

# What we do

Humanitarian mapping charity that works through skilled volunteers

We help target and coordinate the delivery of humanitarian aid

Since 2002 we have responded directly to around 100 emergencies and many more remotely



Cameroon  
Central African R.  
Côte d'Ivoire  
Iraq  
Libya  
Nigeria  
South Sudan  
Syria



Lesotho  
Namibia  
Niger  
Sahel

Liberia  
Mali  
Sierra Leone

Ecuador  
Haiti  
Indonesia  
Nepal  
Pakistan  
Tanzania

- **102** Emergency Response
- **60** Preparedness
- **240** Training, Simulation
- **160** Remote Support



Haiti x3  
India  
Jamaica x2  
Madagascar x2  
Myanmar x2

Chile

LANDSLIDE

VOLCANO

Cape Verde x2  
Indonesia

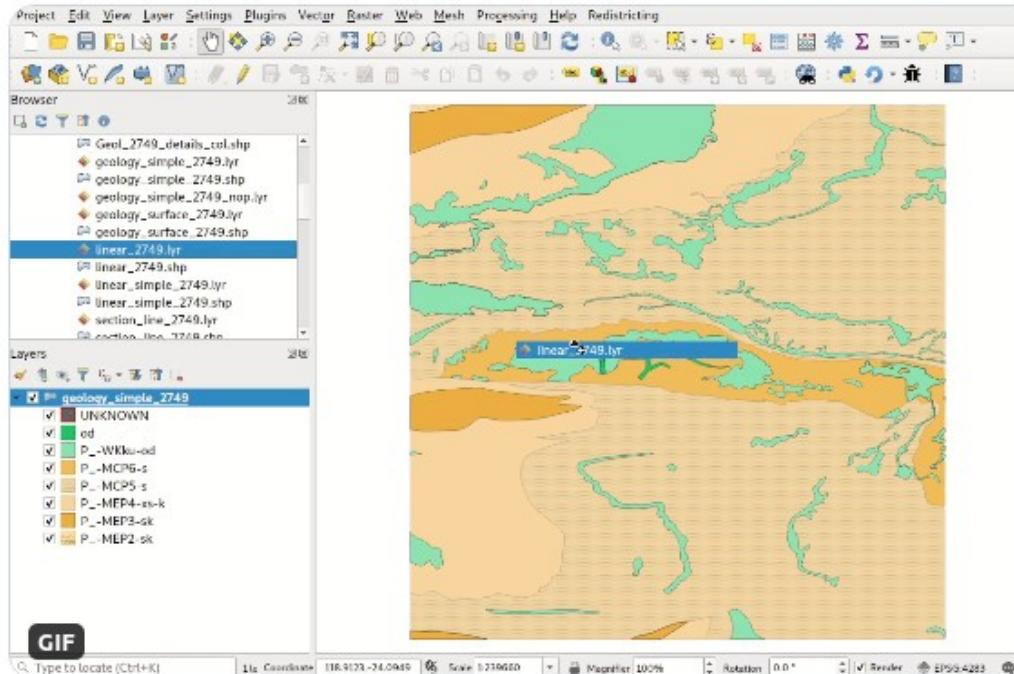
Albania  
Belize  
Bolivia  
Burkina Faso  
China  
Comoros Islands  
El Salvador  
Ghana  
India  
Kenya  
Paraguay x3  
Peru  
Serbia  
Sudan  
Suriname

# SLYR



North Road  
@northroadgeo

Our automated ESRI to #QGIS conversion tool just hit a major milestone: now you can directly open vector .lyr files within QGIS, with symbology converted automatically for you. No ArcMap required! Read more at [north-road.com/slyr/](http://north-road.com/slyr/)



12:33 PM · Apr 18, 2019 · Twitter Web Client

A photograph of a woman with long blonde hair, wearing a yellow cable-knit beanie and a dark blue puffer jacket. She is smiling broadly and making a peace sign with both hands. She is standing in a narrow, brick-paved alleyway between red brick buildings. The background is slightly blurred.

Demo time...

Photo by Dayne Topkin on Unsplash

# Look out for:

- Fonts
- Vbscript (e.g. label expressions)
- Inkscape (.emf > svg)
- Arc and Excel

The fanfare  
of birds  
announces  
the morning.

DejaVu Serif

8 font faces

በኢትዮ ዘመን  
የሚፈልገው የወጪዎ  
ሙሉ ማየት...

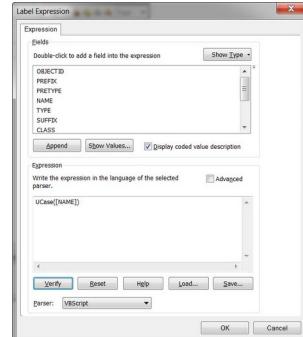
Ebrima

2 font faces



EmojiOne Color

1 font face



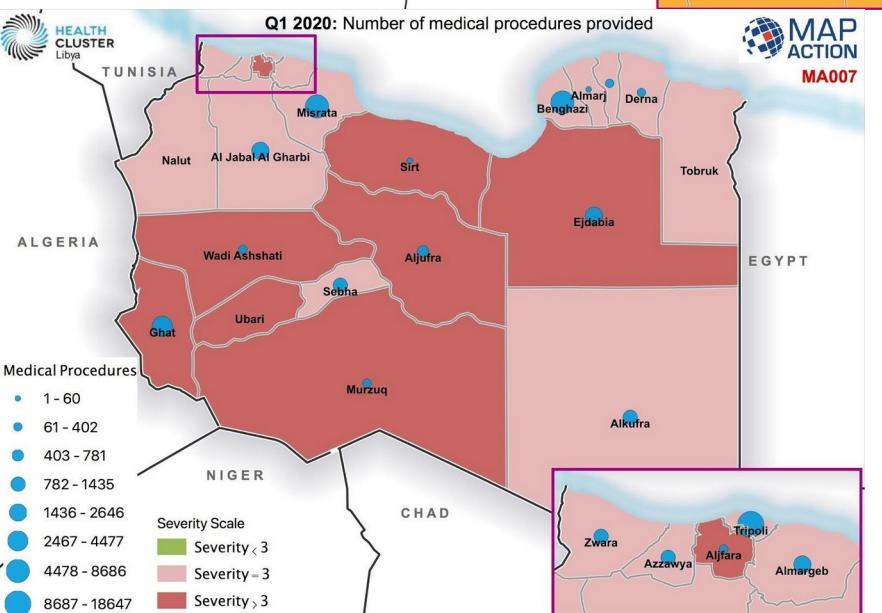
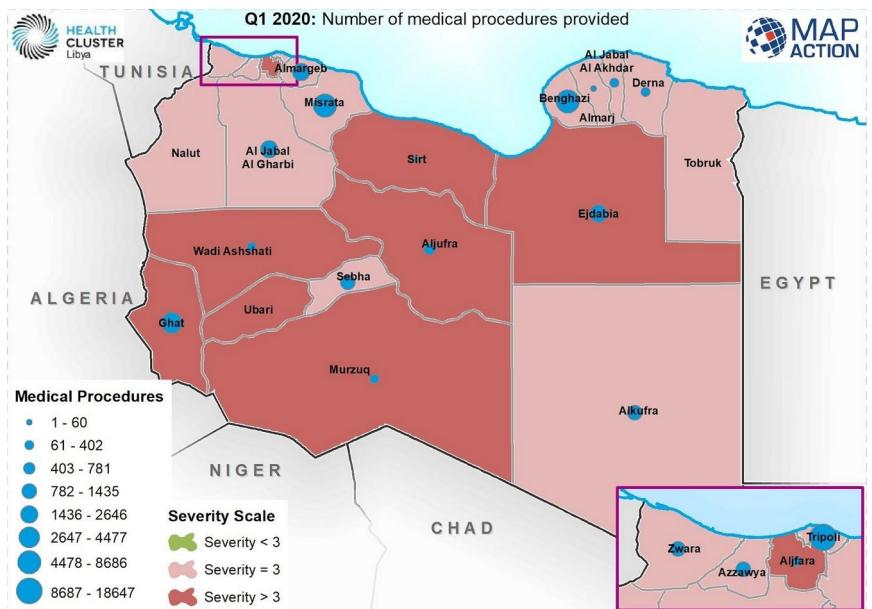
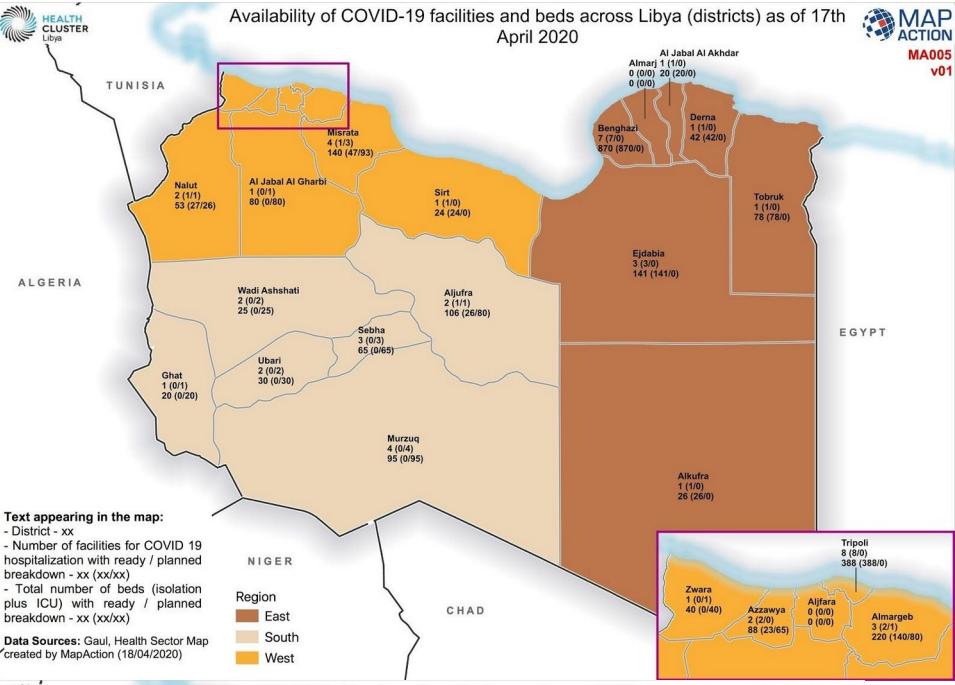
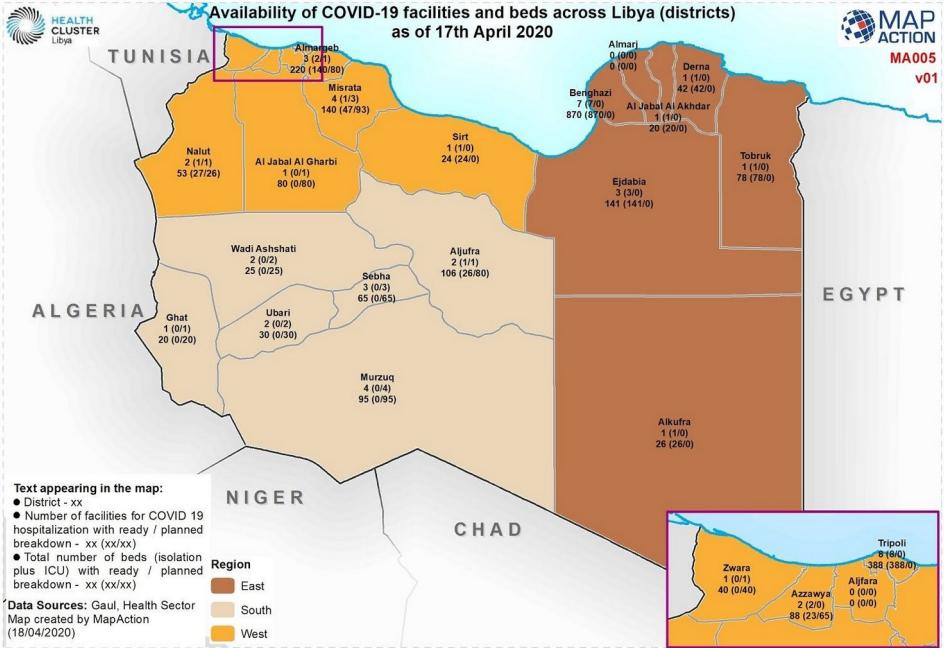
Microsoft Access Database Engine 2016 Redistributable

*Important!* Selecting a language below will dynamically change the complete page content to that language.

Language: English [Download](#)

# How are we using this?



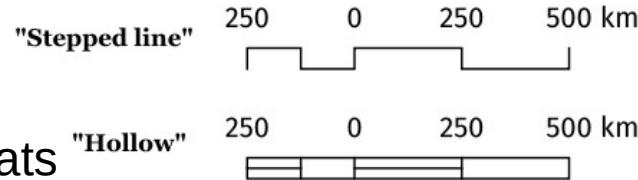


# Bonus: QGIS fixes!

Random marker fill!

Embedded images in QGIS print layouts!

Scalebar numeric formats



Marker north arrows!

Improved legend customisation!

Hollow and stepped line scale bars!



Photo by Brooke Lark on Unsplash

# What's next?

- Joins and relations
- Data driven pages
- Metadata
- Drag and drop layers from Arc to QGIS
- AVL style
- Dumping MXD or LYR to json
- MXT and PMF
- ArcScene SXD

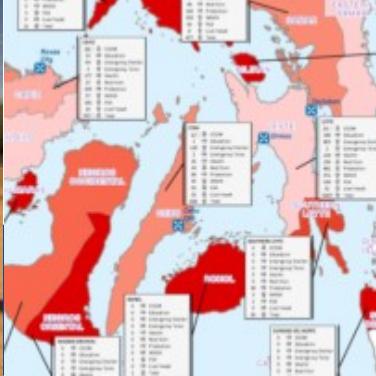


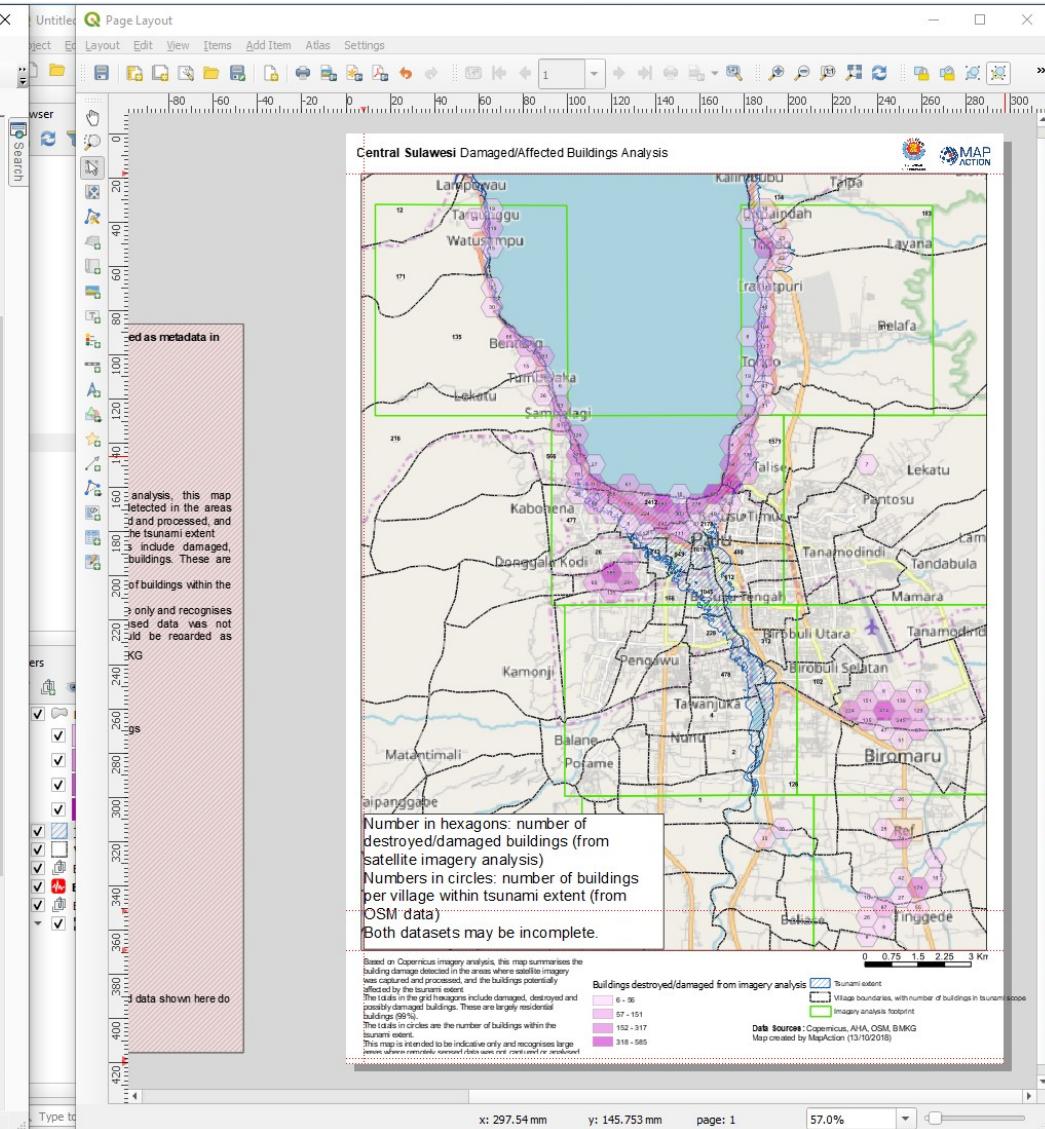
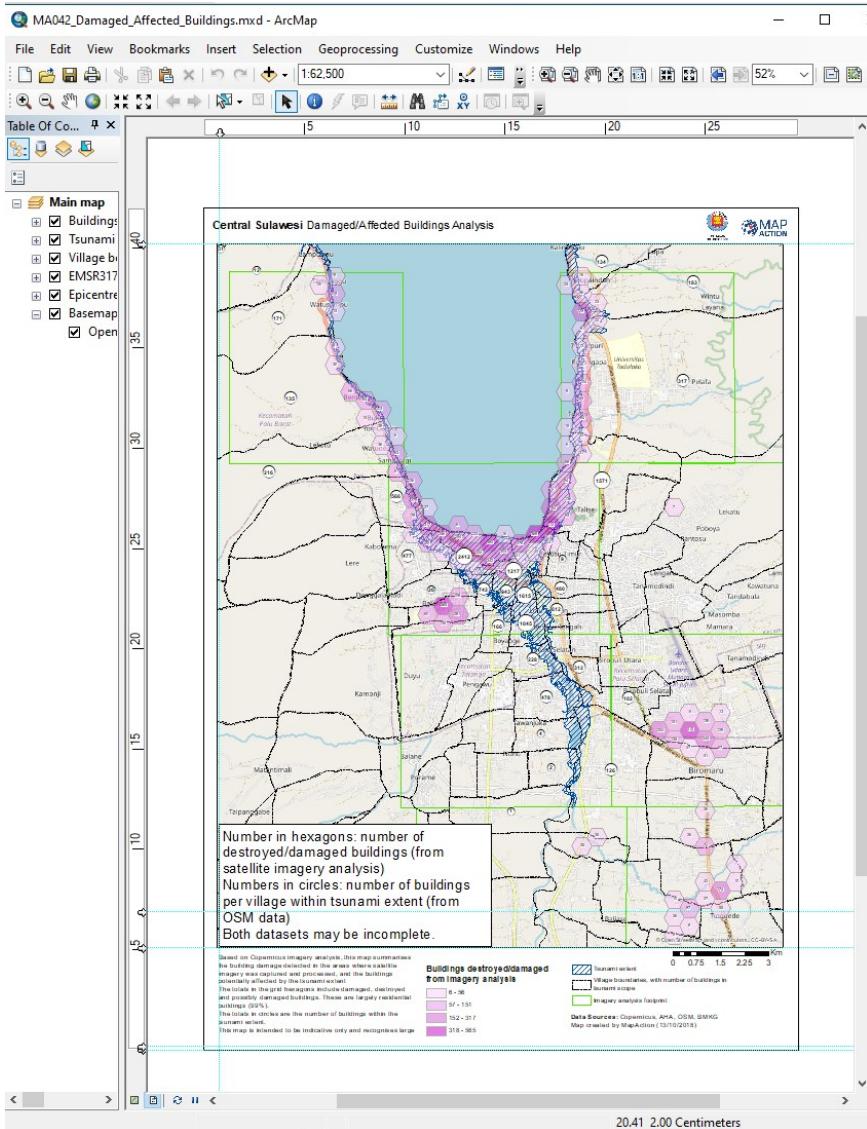
Photo by Glen Carrie on Unsplash



# MAP ACTION

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@antscott







# Project Templates

## New Empty Project

### Convert ESRI Style to QGIS Style XML

Parameters Log

Style database

Destination XML file

[Save to temporary file]

Unconvertable symbols report [optional]

[Skip output]

Open output file after running algorithm

### Convert ESRI style to QGIS style XML

Converts ESRI style database to a QGIS XML Style library

## Processing Toolbox



Search...

- ▶ Recently used
- ▶ Cartography
- ▶ Database
- ▶ File tools
- ▶ Interpolation
- ▶ Layer tools
- ▶ Network analysis
- ▶ Plots
- ▶ Raster analysis
- ▶ Raster creation
- ▶ Raster terrain analysis
- ▶ Raster tools
- ▶ Vector analysis
- ▶ Vector creation
- ▶ Vector general
- ▶ Vector geometry
- ▶ Vector overlay
- ▶ Vector selection
- ▶ Vector table
- ▶ Vector tiles
- ▶ GDAL
- ▶ GRASS
- ▶ SLYR
  - ▶ AVL styles
  - ▶ LYR datasets
  - ▶ MXD documents
  - ▶ PMF published maps
  - ▶ Style databases
    - ▶ Convert ESRI style to GPL color palette
    - ▶ Convert ESRI style to QGIS style XML
    - ▶ SXD documents

Run as Batch Process...

0%

Run

Cancel Close

