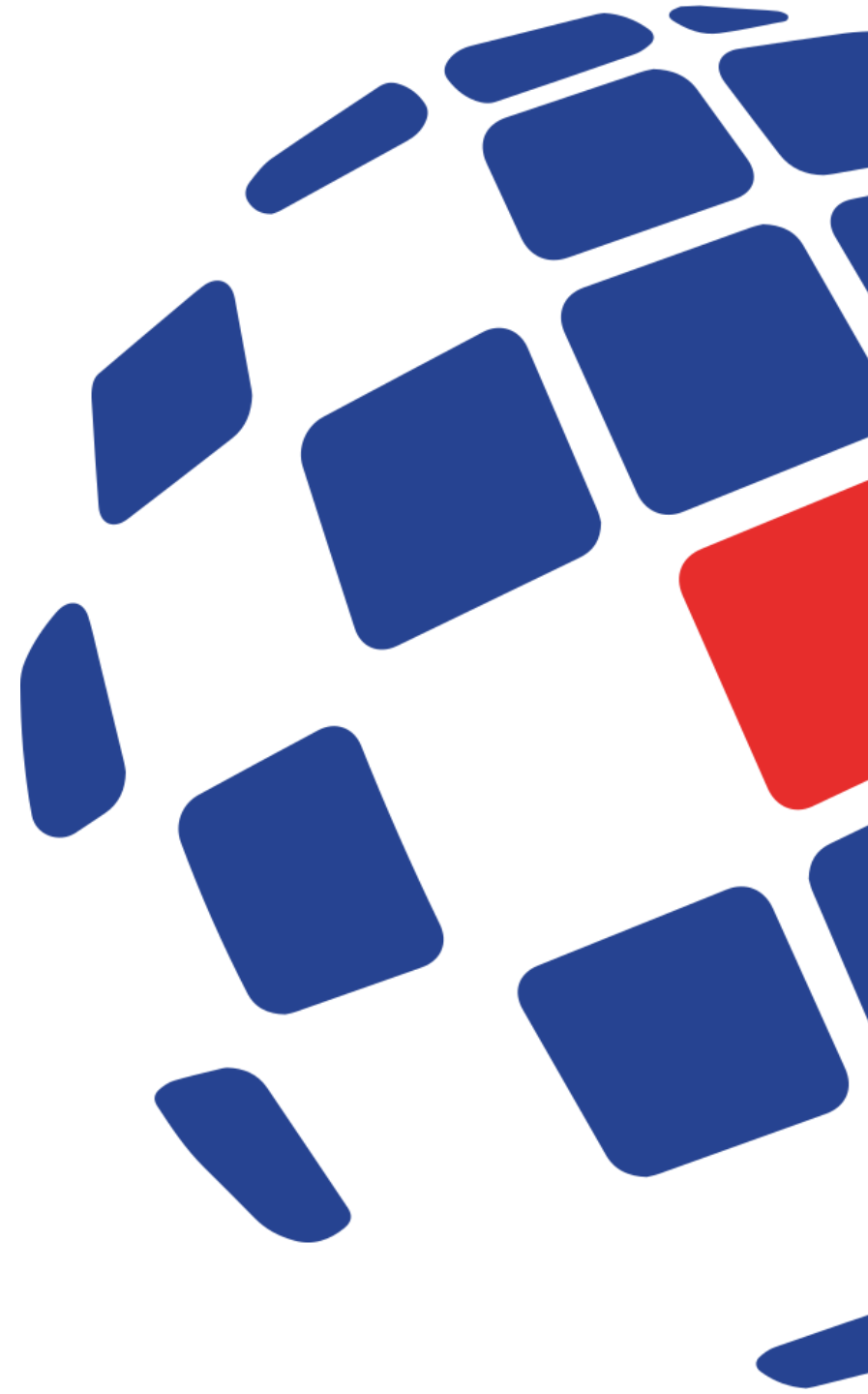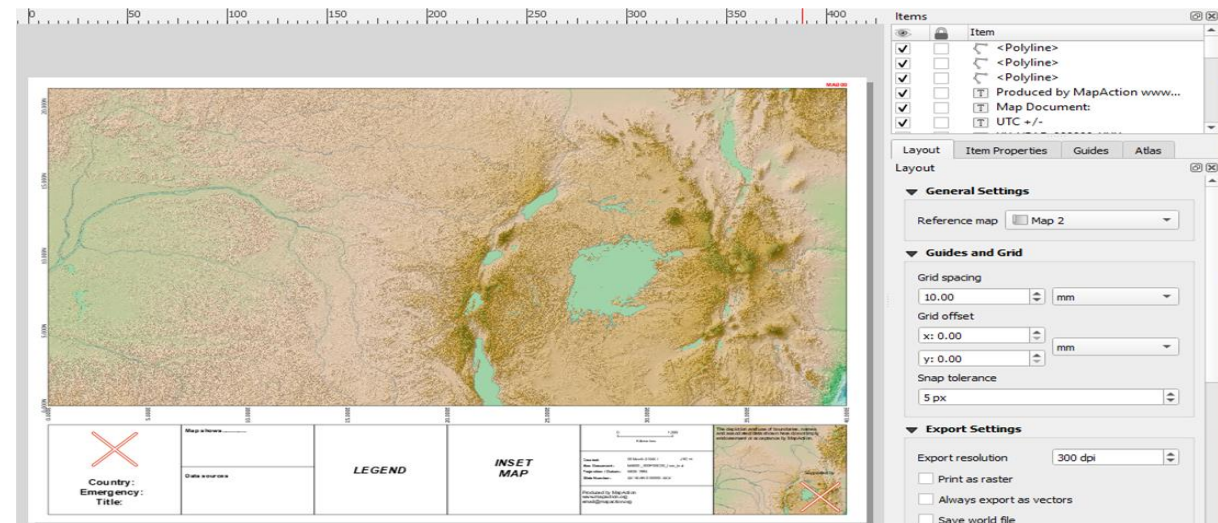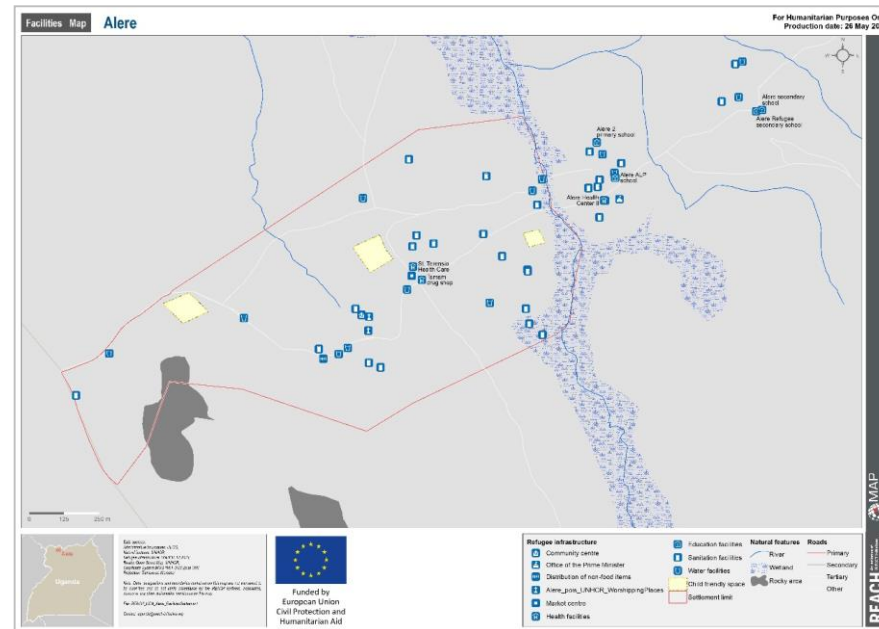October 2023 - Barbados

QGIS: Print Layout

Introduction

- We will look at creating a map output
- The map can then be printed or shared
- This includes looking at:
- Map elements
- Print Layout

Print Layout

- Print Layout is the tool to make exportable and printable maps in QGIS
- Able to add map elements (legends, scales, text, etc)

Print Layout

- Print layout saved to QGIS project file (.qgs)
- You can have many print layouts in a single project
- Print layouts can contain range of map items, including:
  - Maps
  - Attribute tables
  - Text
  - Images
  - Legends
  - Scale bars
- Layouts can be saved as templates
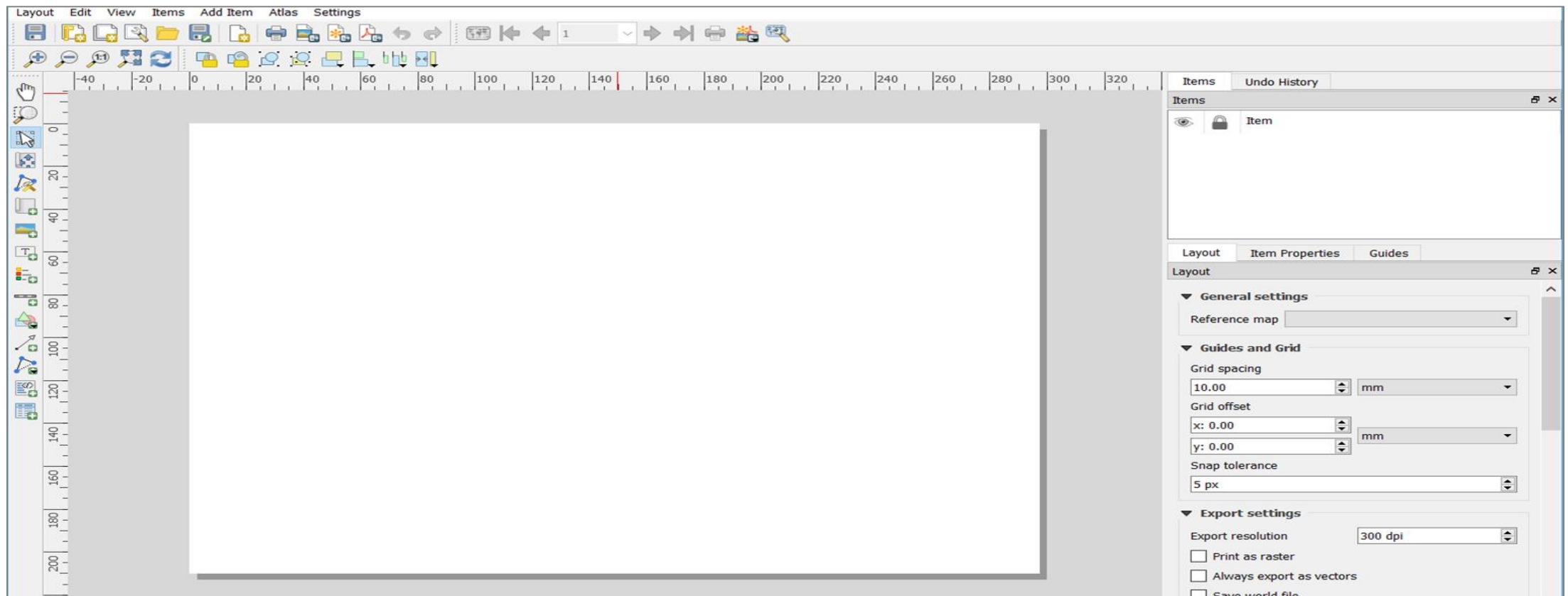- Templates can be reused in different projects

Create a new Print Layout
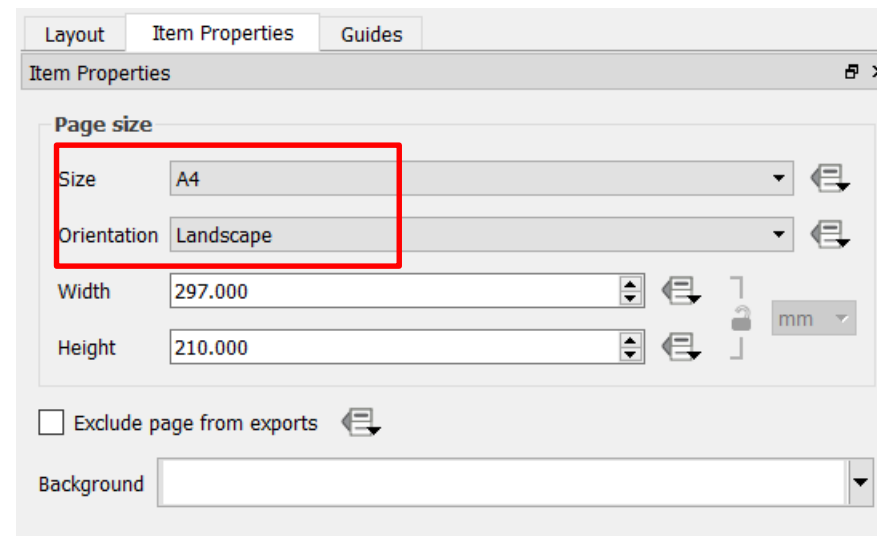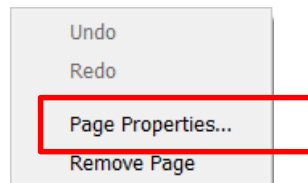
- Project > New Print Layout
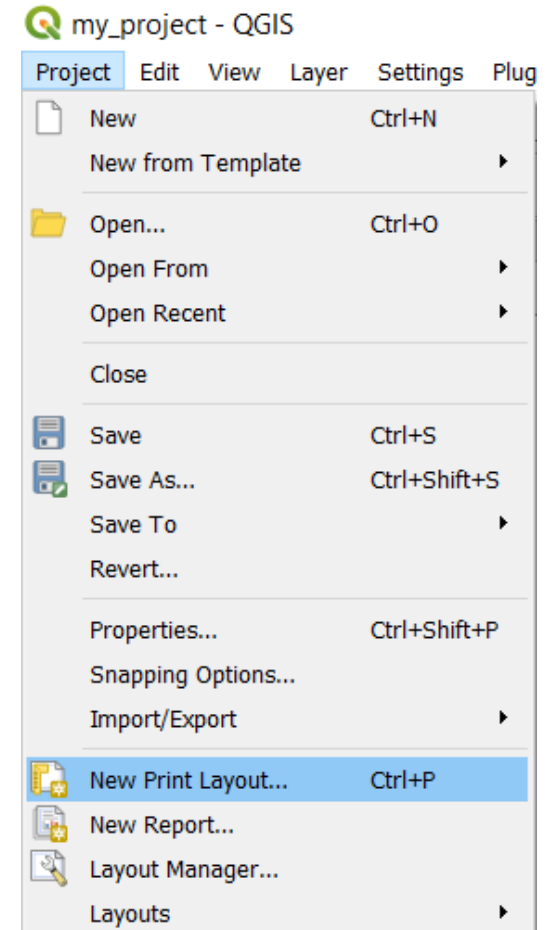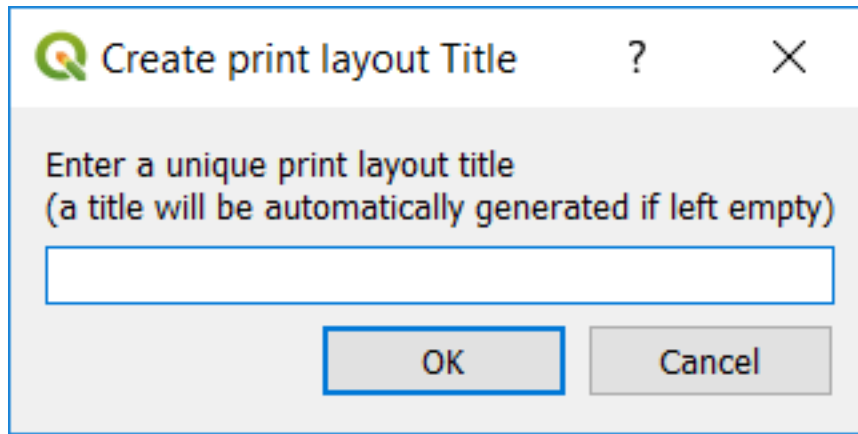
New Print Layout

▪ You have a new blank page to create the map

Page Properties

- Right-click on the canvas to change the page's properties
- Here you can change size and orientation

Contents

- ▪ Pan layout
- ▪ Zoom on the print layout
- ▪ Select / move item
- ▪ Move content for the selected item on the print layout
- ▪ Edit nodes – for example the nodes of an arrow
- ▪ Add New Map tool will add your current map
- ▪ Adds a picture (eg. a logo) to the print composer
- ▪ Add title and other text info (data sources)

Print Layout tools

- Add legend (for the layers in the map) to print layout
- Add scale bar (for the current map) to print layout
- Add a shape – rectangle, ellipse or triangle
- Add an arrow
- Add a polygon / polyline
- Add HTML
- Add an attribute table

Print Layout - Items

- Map
- Title
- Legend
- Scale bar
- North arrow
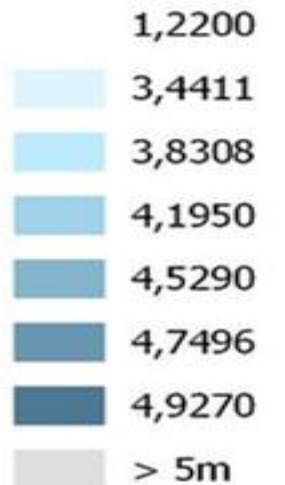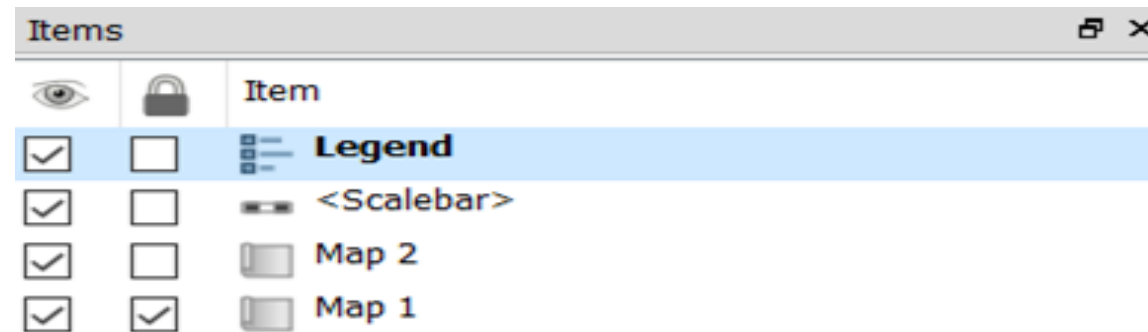- Publication date
- Data sources
- Overview map

Print Layout – Items

- Items added to map will appear in the Items section

- Option to set the visibility

- Option to 'lock' your item

- Right-click for **Item Properties**

Item Properties

- Properties to be set depends on the item:
- Legend properties - title, alignment, legend items
- Scale bar: style and units
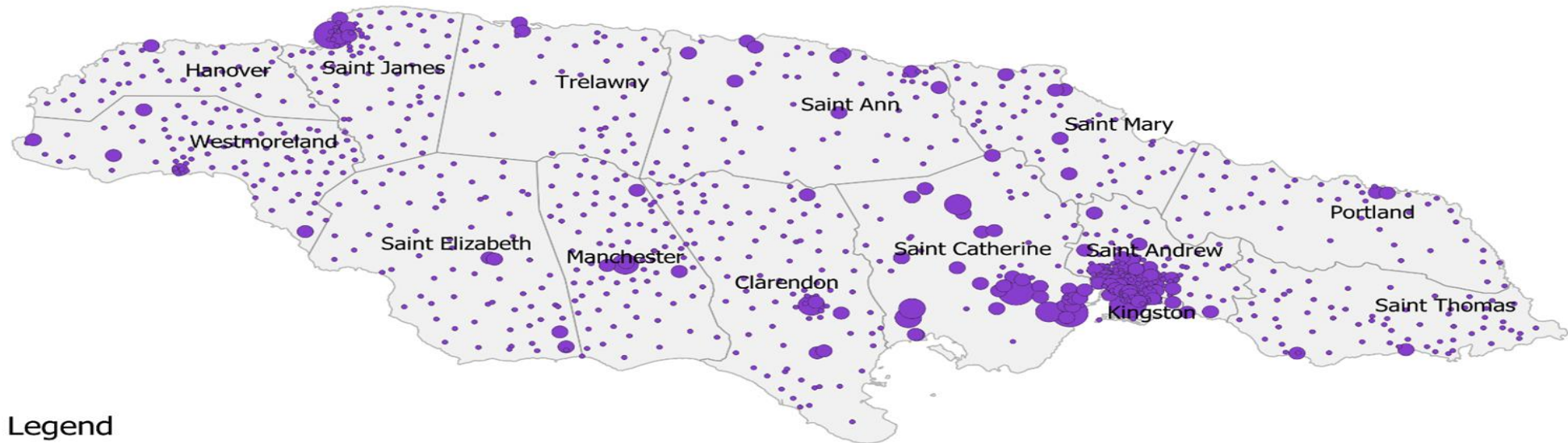- Map - scale, rotation
- Shapes: style

Export Map

- Export settings can be set in the Layout panel
- DPI - 300 dpi is needed for print quality
- Select Layout > Export as Image / SVG / PDF
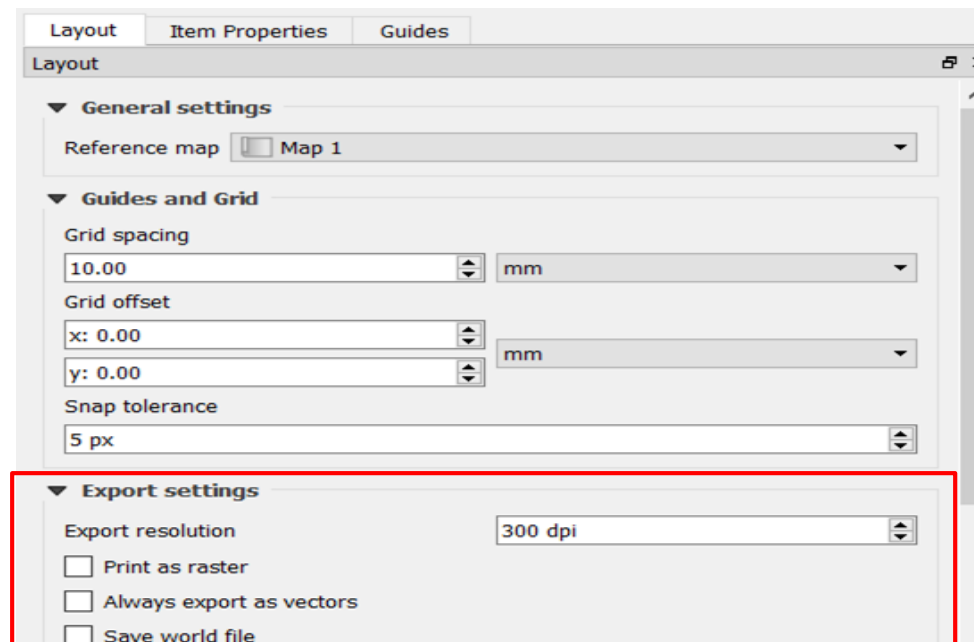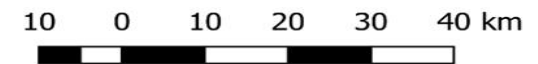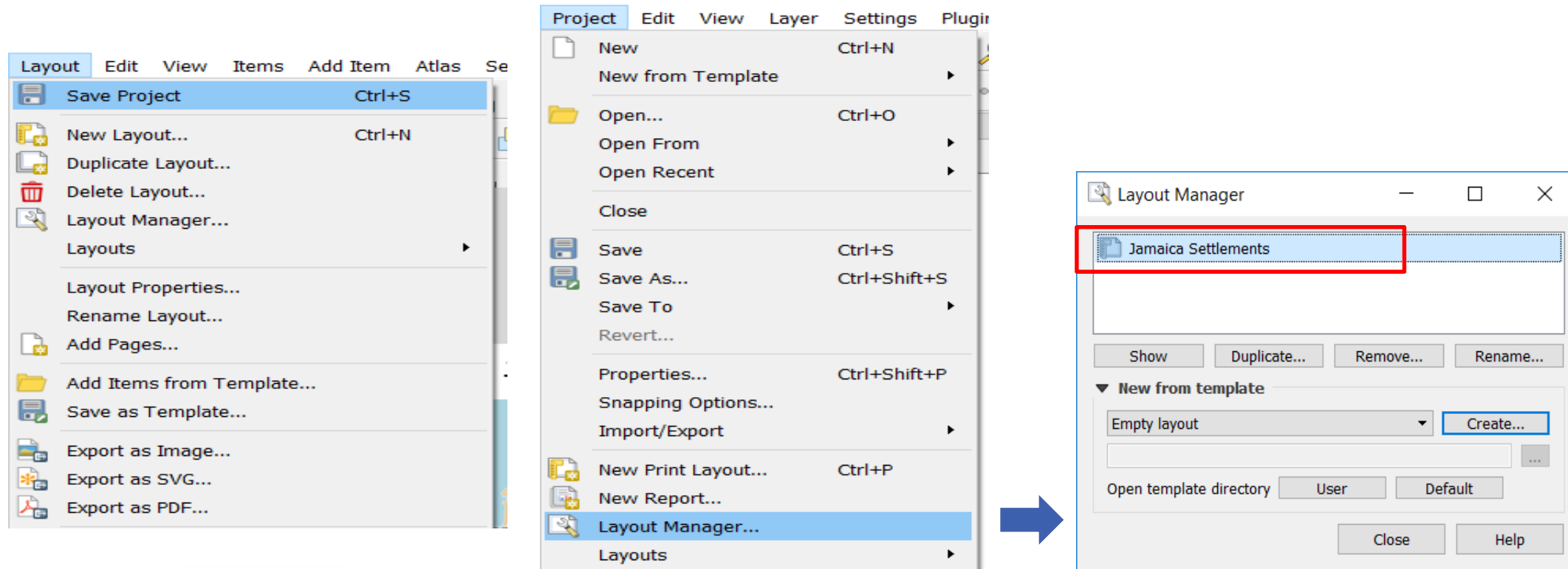
Print Layout - Output

Jamaica settlements

Legend

Settlements
- ·   21 - 6176
- ·   6176 - 22075
- ●   22075 - 47885
- ●   47885 - 145018
- ●   145018 - 583958

☐ Admin boundaries

10 0 10 20 30 40 km

Print Layout – Save & Load

- Save Print Layout – Layout > Save Project
- Load saved project – Project > Layout Manager

Conclusion

- Looked at creating a map output
- Included looking at:
- Map elements
- Print Layout
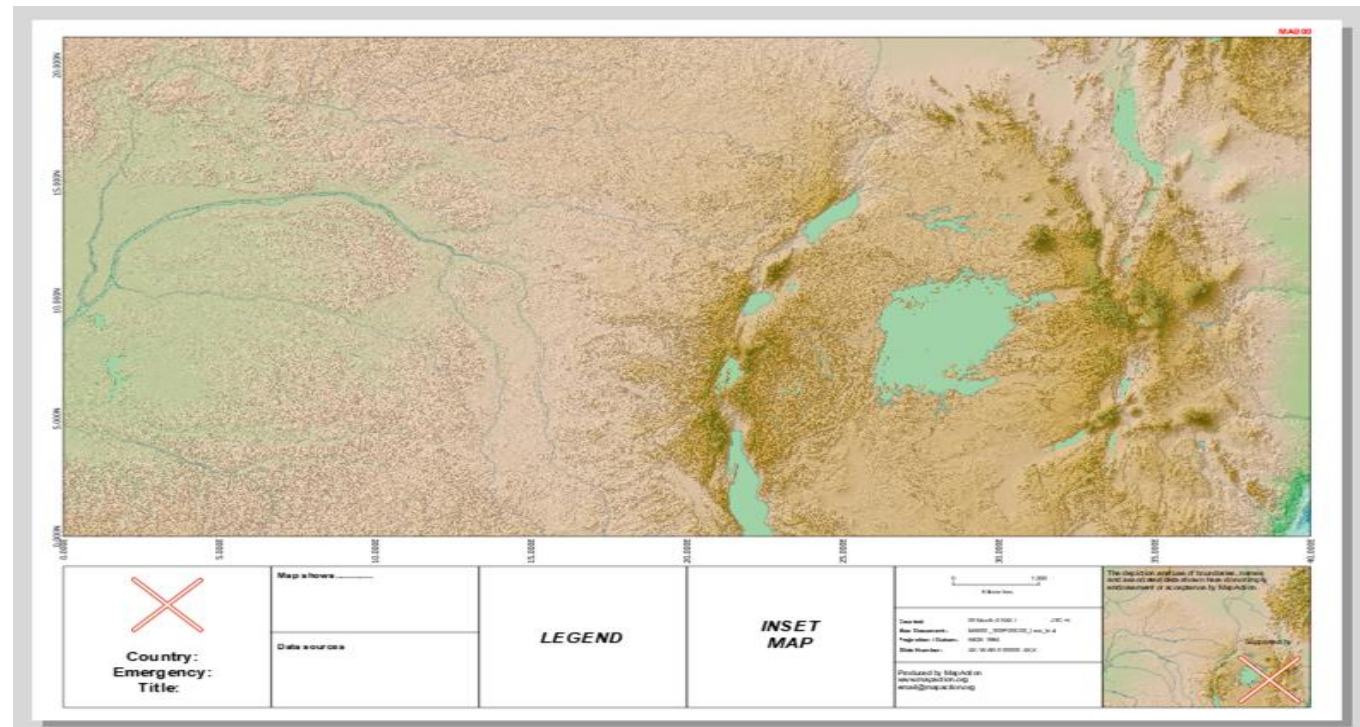
This programme is gratefully supported by

mapaction.org