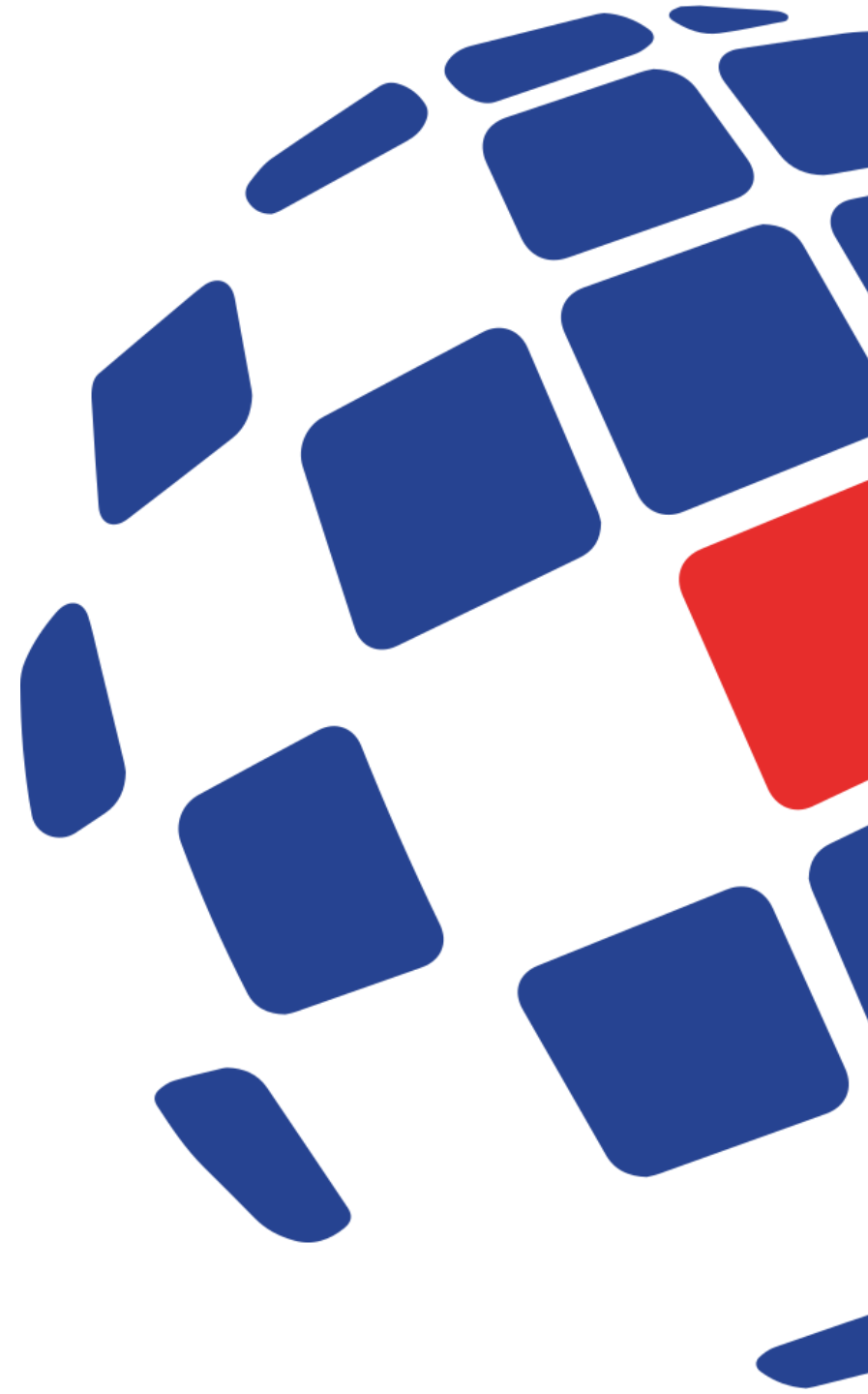




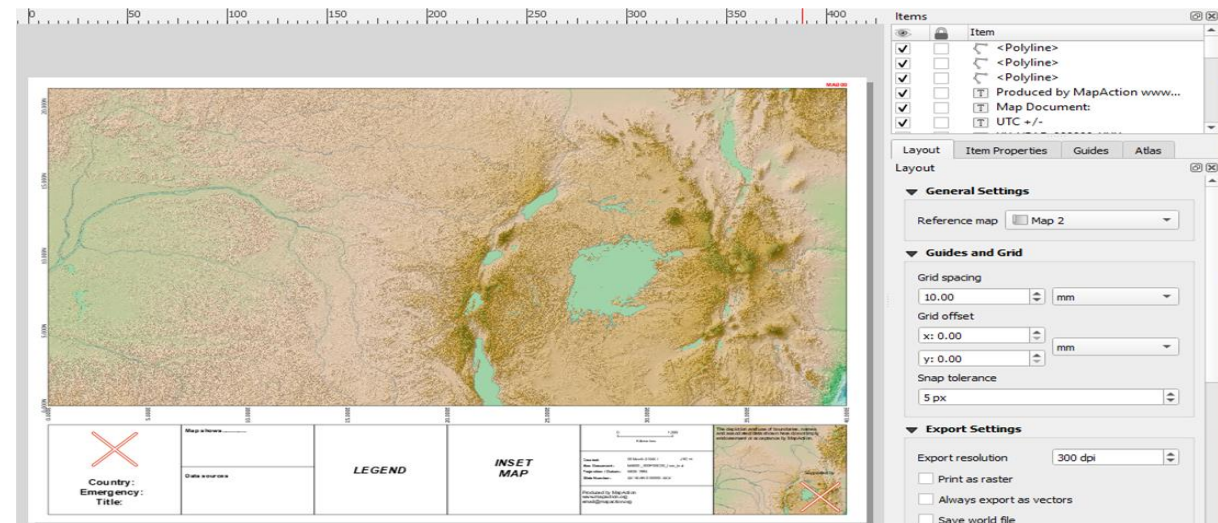
October 2023 - Barbados

# QGIS: Print Layout



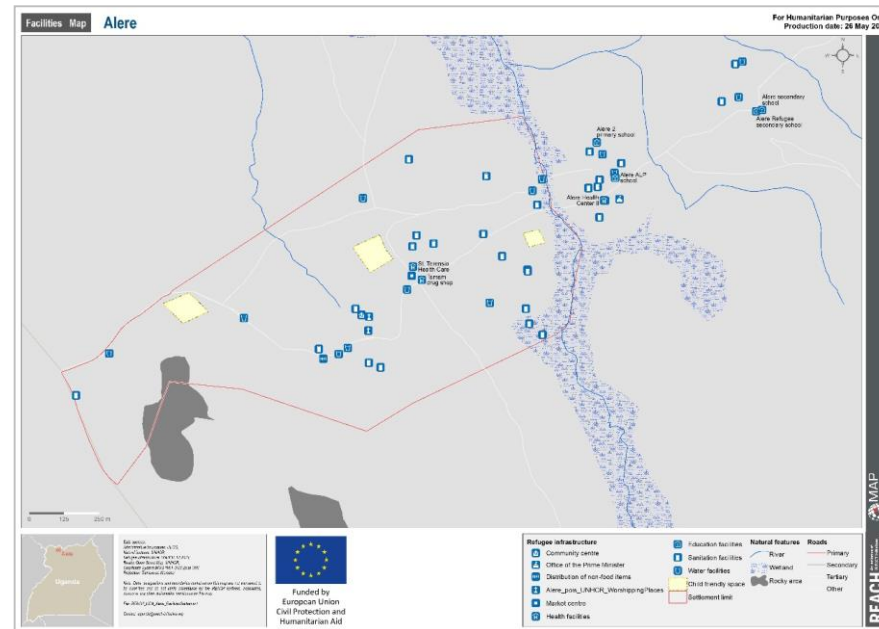
# Introduction

- 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)



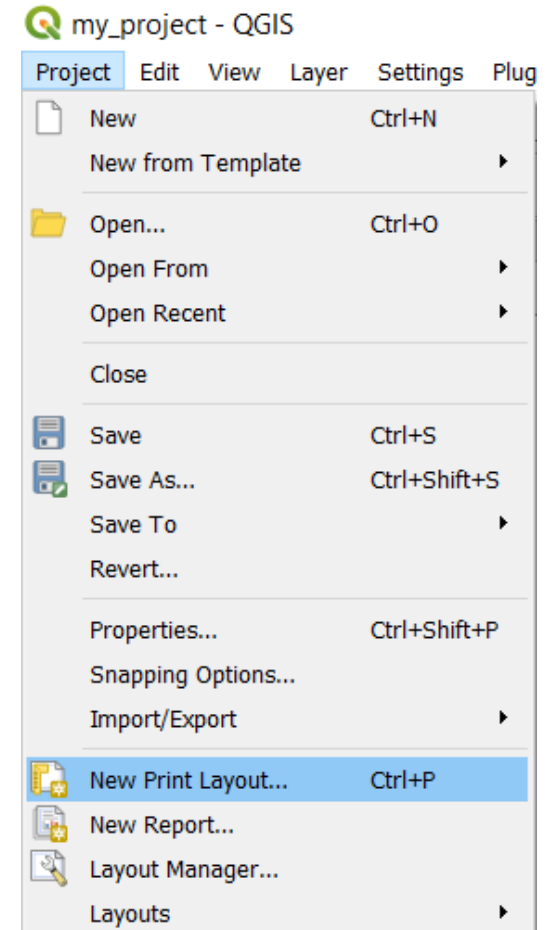
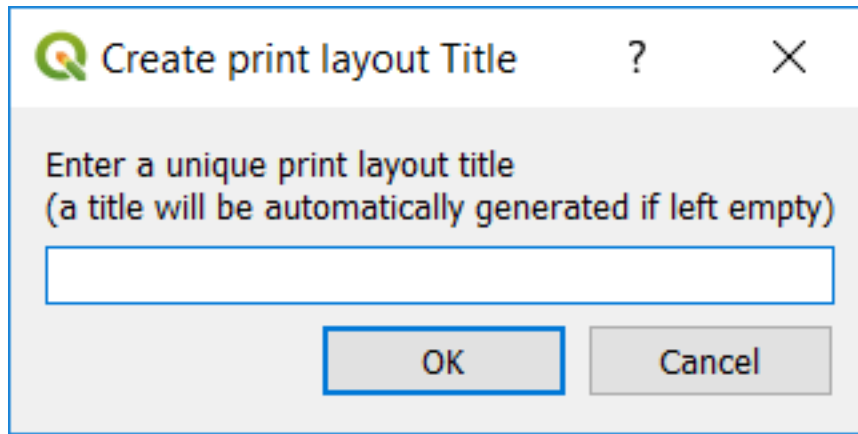
# Print Layout

- 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



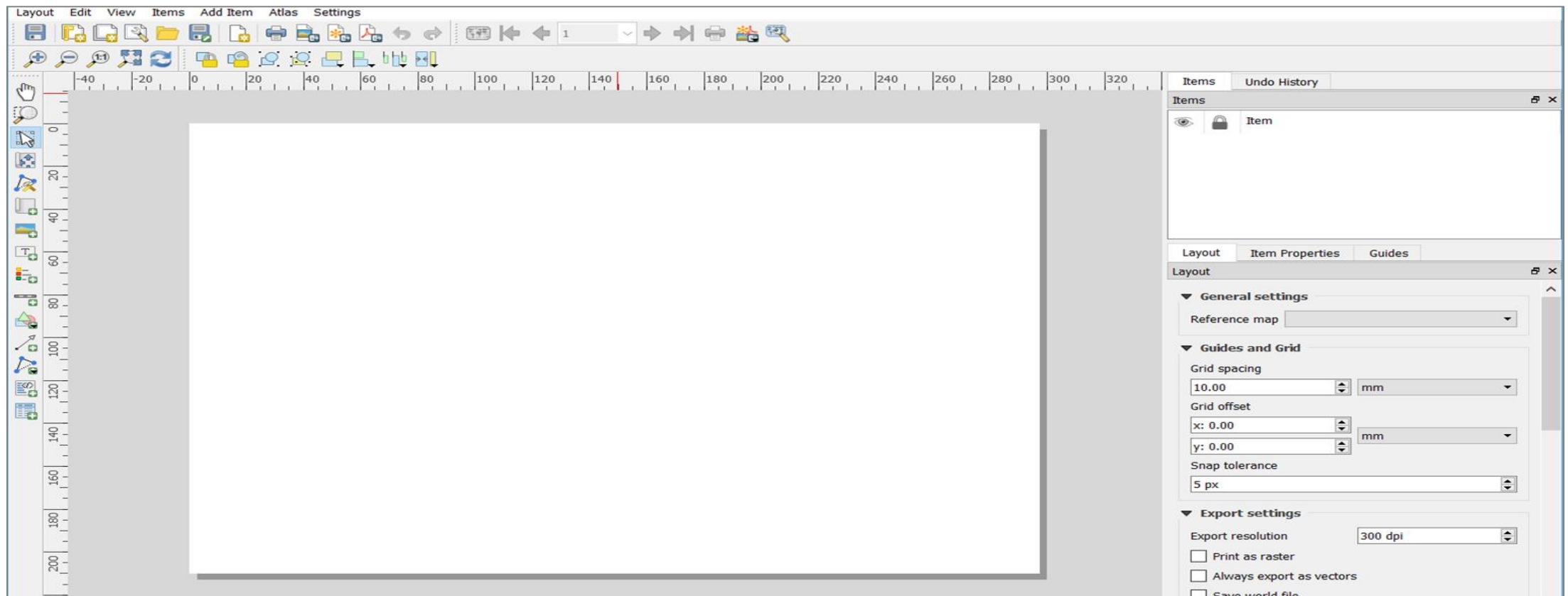
# Create a new Print Layout

- Project > New Print Layout



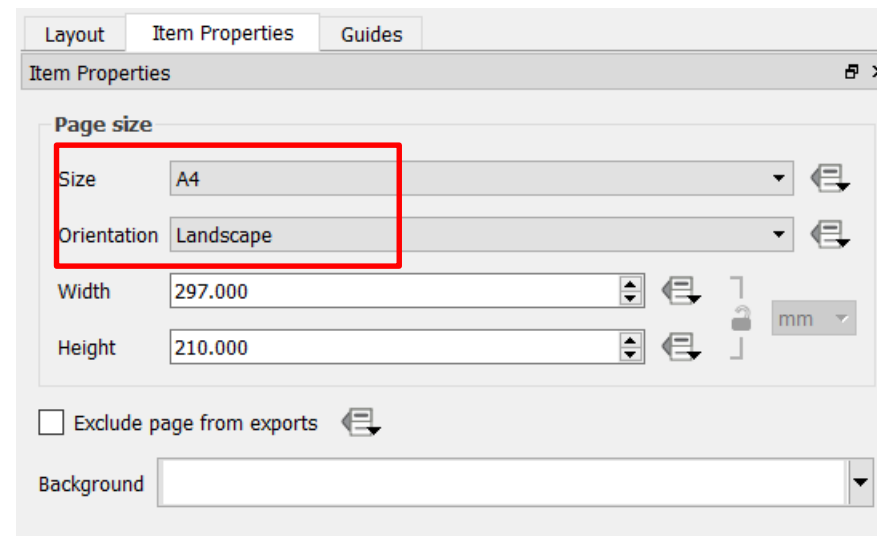
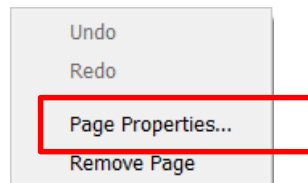
# New Print Layout

- 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

## OVERIJSSELSCH E VECHT BENEDEN REGGE

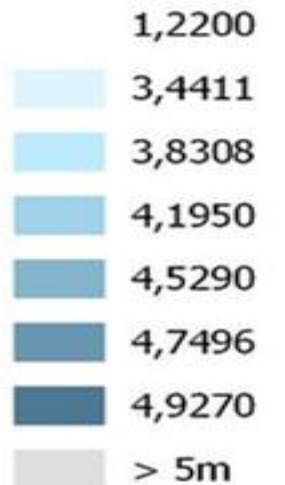
[ Coloured relief < 5m ]



0 100 200 300 400 500 M

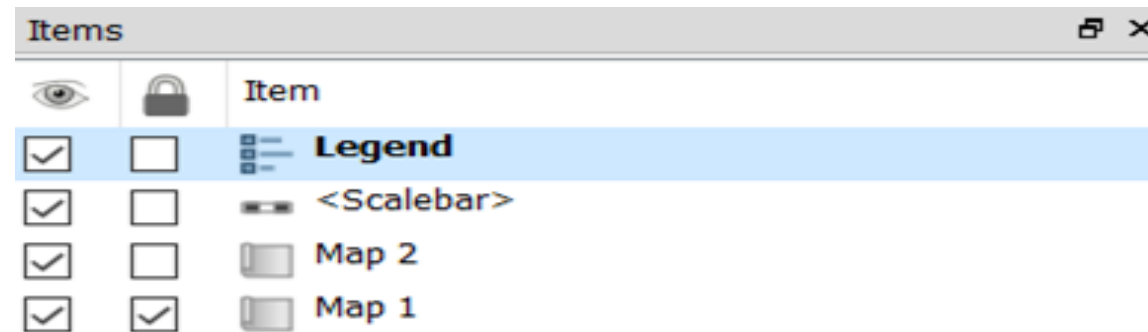


Hoogten in meters  
boven N.A.P.



# 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

Item Properties

**Legend**

▼ **Main properties**

Title

Title alignment **Left**

Map **Map 2**

Wrap text on

Resize to fit contents

▼ **Legend items**

Auto update Update all

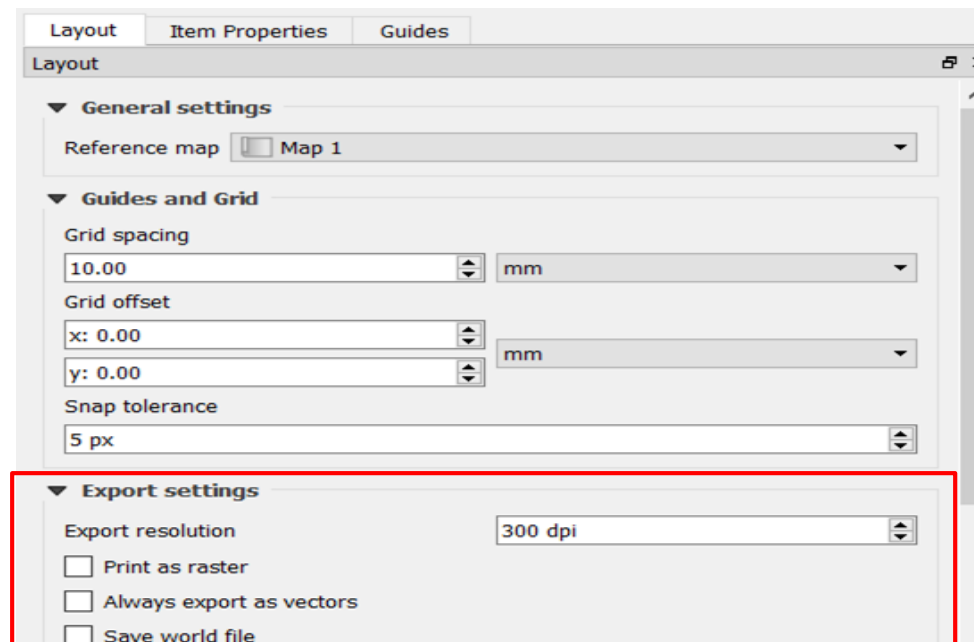
▼ **Settlements**

- 21 - 6176
- 6176 - 22075
- 22075 - 47885
- 47885 - 145018
- 145018 - 583958

**Admin boundaries**

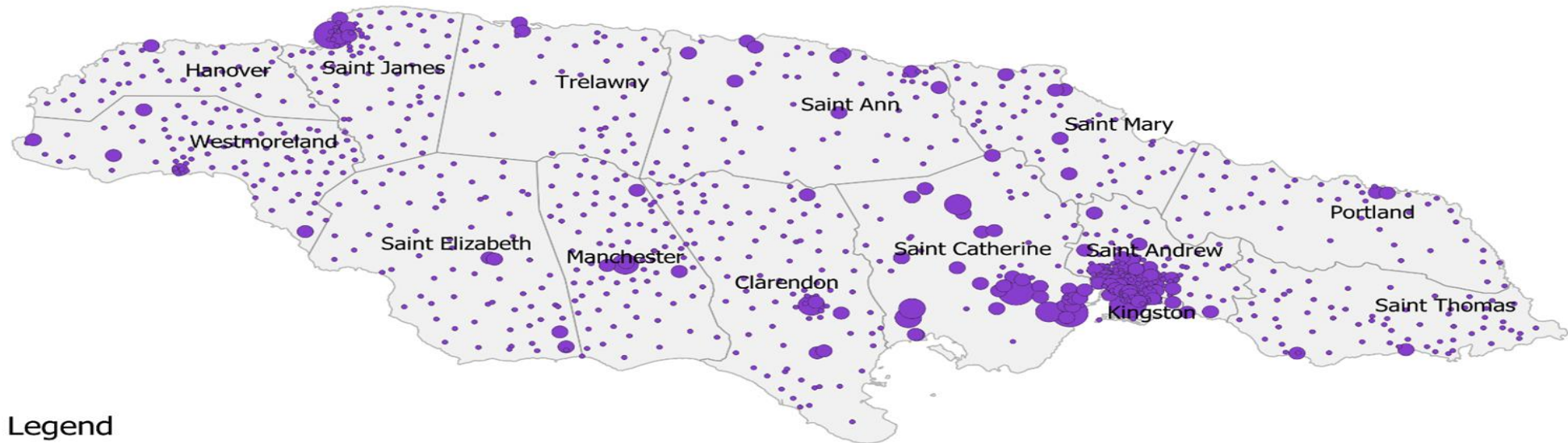
# Export Map

- 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

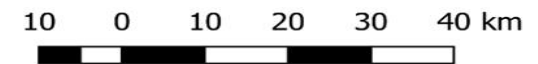
## Jamaica settlements



### Legend

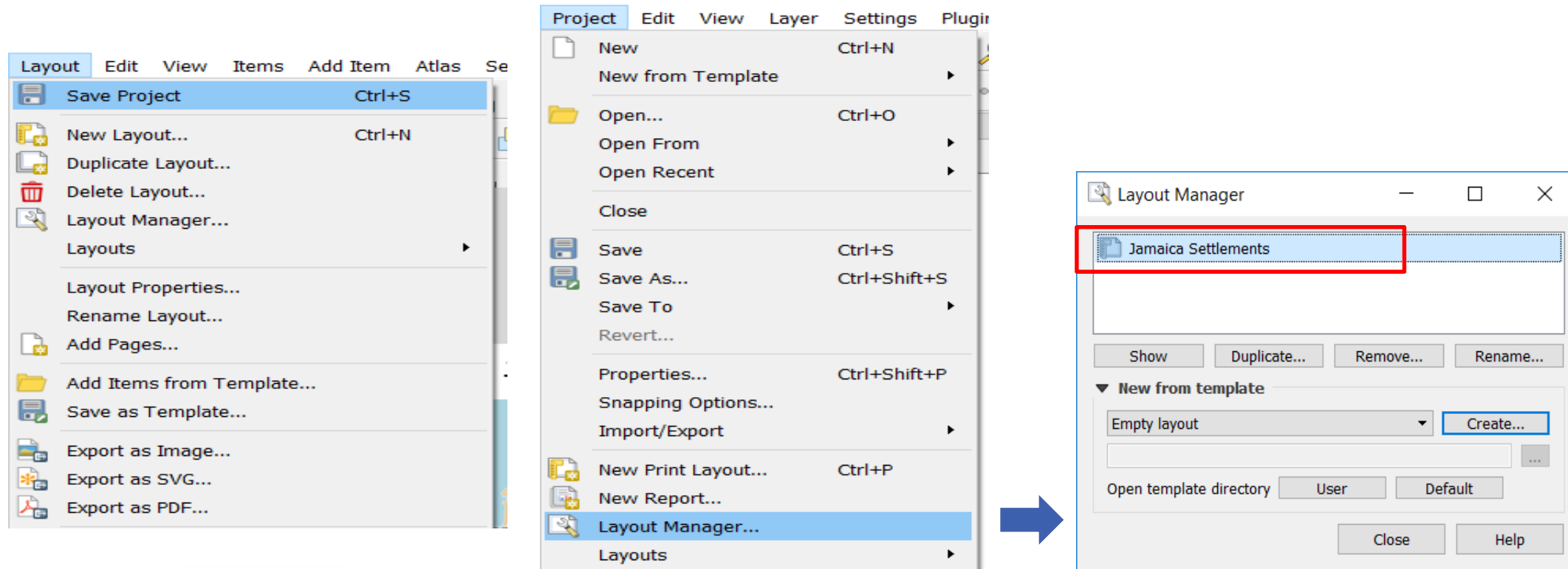
#### Settlements

-  21 - 6176
-  6176 - 22075
-  22075 - 47885
-  47885 - 145018
-  145018 - 583958
-  Admin boundaries



# Print Layout – Save & Load

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



The image illustrates the steps to save and load a print layout. It shows three parts of the software interface:

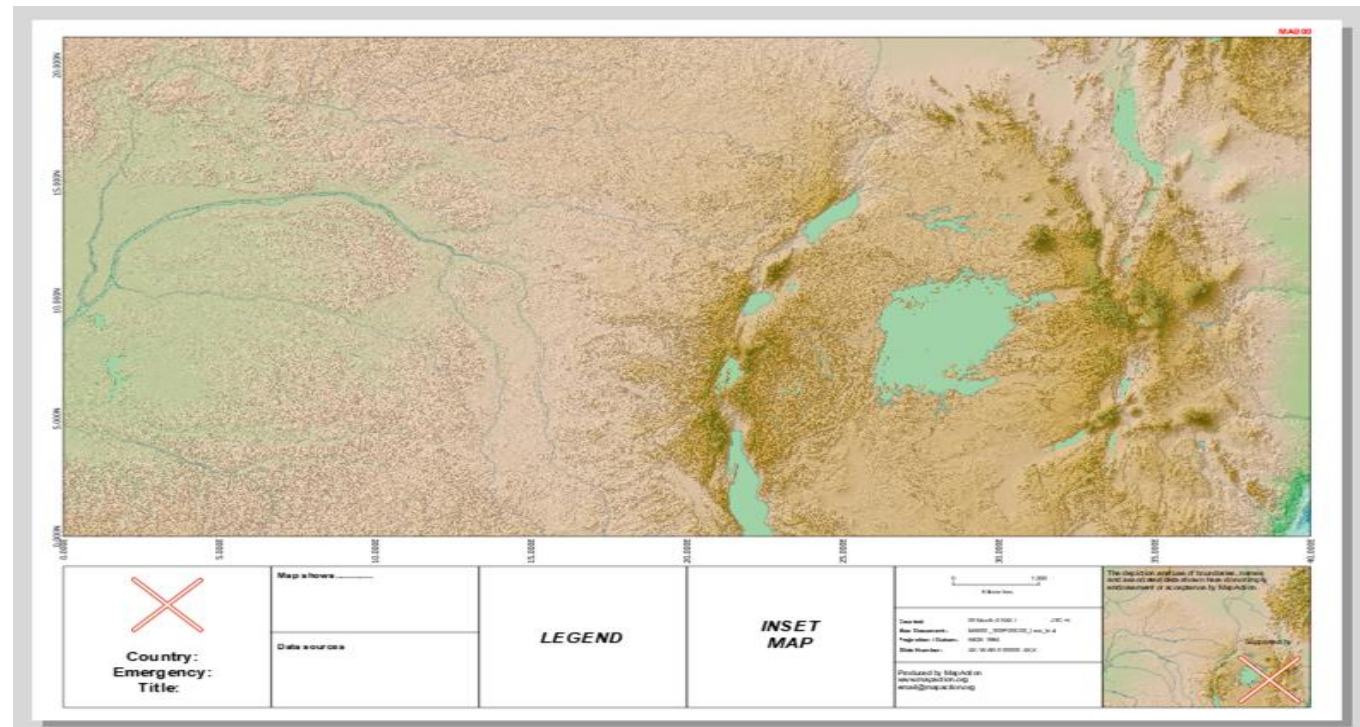
- Layout Menu:** The 'Layout' menu is open, showing options like 'Save Project' (Ctrl+S), 'New Layout...', 'Duplicate Layout...', 'Delete Layout...', 'Layout Manager...', and 'Layouts'.
- Project Menu:** The 'Project' menu is open, showing options like 'New', 'Open...', 'Close', 'Save', 'Save As...', 'Revert...', 'Properties...', 'Snapping Options...', 'Import/Export', 'New Print Layout...', 'New Report...', and 'Layout Manager...'.
- Layout Manager Dialog:** The 'Layout Manager' dialog box is open, showing a list of saved layouts. 'Jamaica Settlements' is selected and highlighted with a red box. Below the list are buttons for 'Show', 'Duplicate...', 'Remove...', and 'Rename...'. There is also a 'New from template' section with a dropdown menu set to 'Empty layout' and a 'Create...' button. At the bottom are 'Close' and 'Help' buttons.

A blue arrow points from the 'Layout Manager...' option in the Project menu to the Layout Manager dialog box.



# Conclusion

- Looked at creating a map output
- Included looking at:
  - Map elements
  - Print Layout





This programme is  
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# MAP ACTION

[mapaction.org](http://mapaction.org)