

Empowering Women in Geospatial Information Technology

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Poonam Tripathi

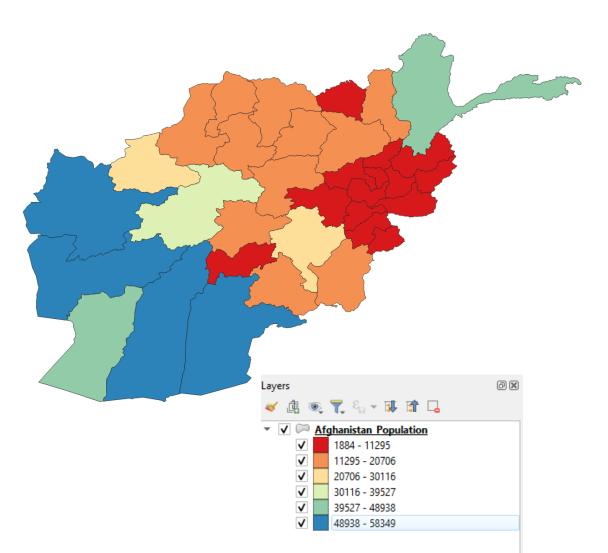
23<sup>rd</sup> June 2021

# Map production

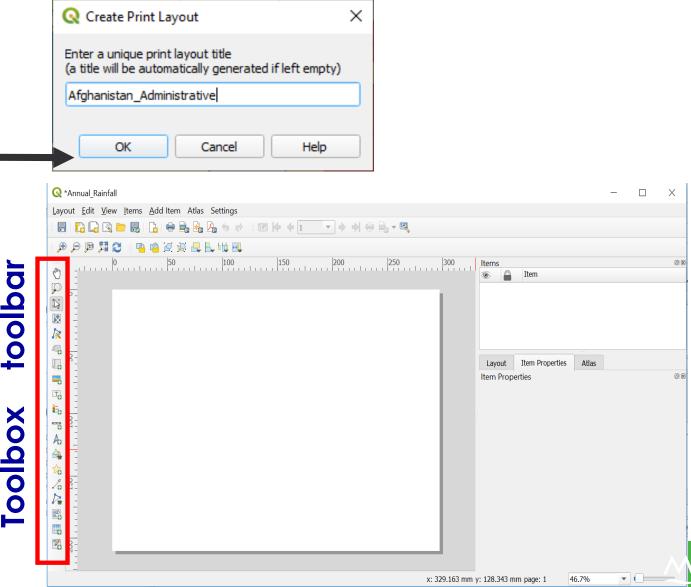
Open the

Afghanistan\_Area\_SqMeter.shp file in QGIS from the folder Day 1\Exercise 1

Select and edit the Symbology for the field you want to display in the Map (In this Area\_SqKm)



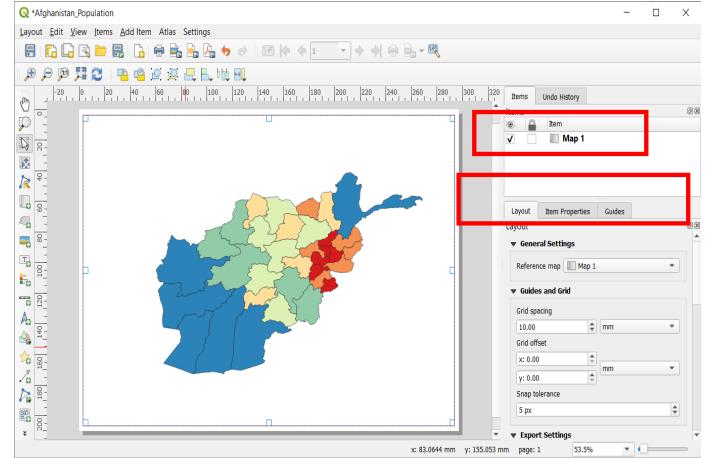
- Click on the **New Print Layout**
- > A window Create print layout will appear
- Enter the title in the window and click OK
- A new print layout window opens



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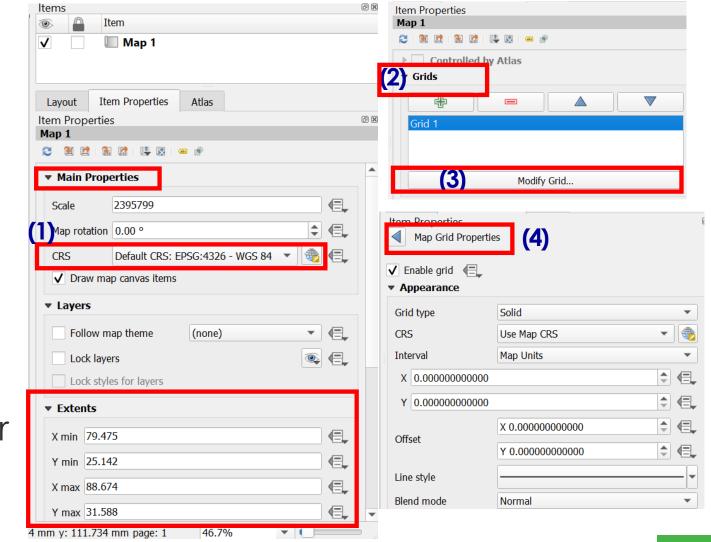
- Click on the Add map icor from
  - the toolbox toolbar
- > A + sign arrow follows your mouse
- Place the mouse on the upper left corner of the print layout and drag towards lower right corner
- > The map appears on the print layout screen
- Under the Item panel you will be able to see Map 1 and Item properties



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- 1. Under the **Main Properties** drop down the arrow under **CRS** and select **Default CRS**:
- > You will observe the extent is displayed in **lat/long**
- 2. Scroll down the Item Properties ->
- click on the **Grids** -> + sign
- 3. Click on Modify Grid
- 4. The Map Grid Properties will appear

Modify Grid ...



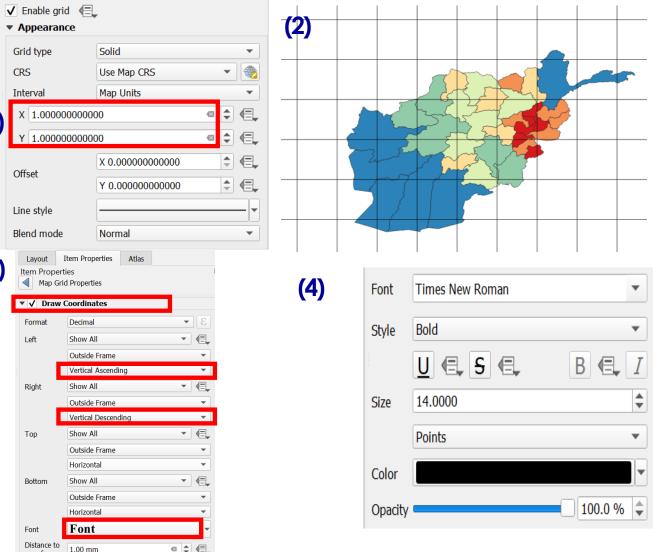
1. Set the X and Y values as 2 below 🖓

#### Interval

- 2. Grids appear on the Map
- **3.** Scroll down the Map Grid Properties -> click on **Draw**

#### Coordinates

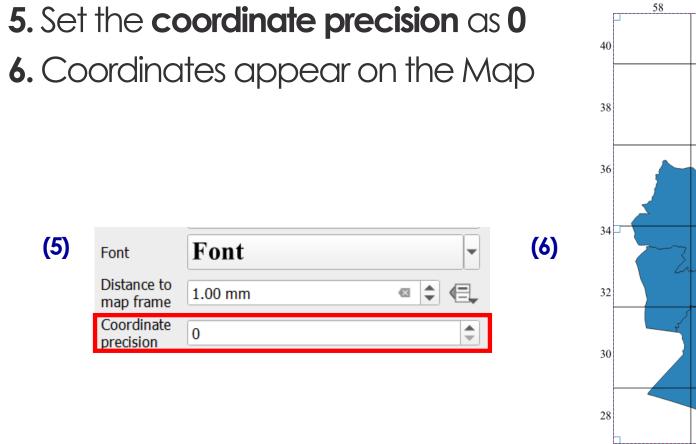
- Change the Left and right display of Coordinates
- **4.** Change the **font** properties of the coordinates

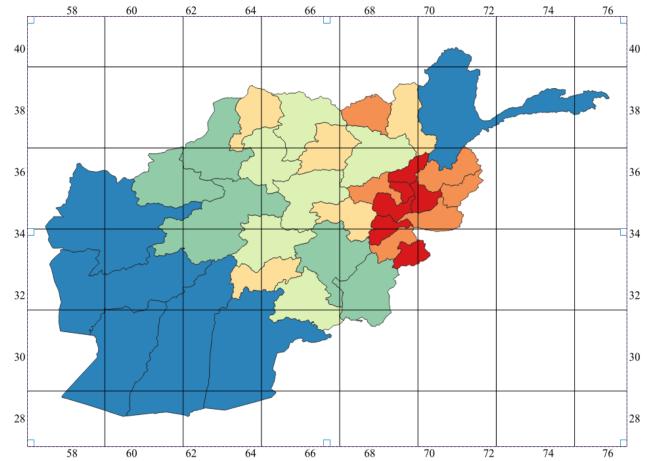


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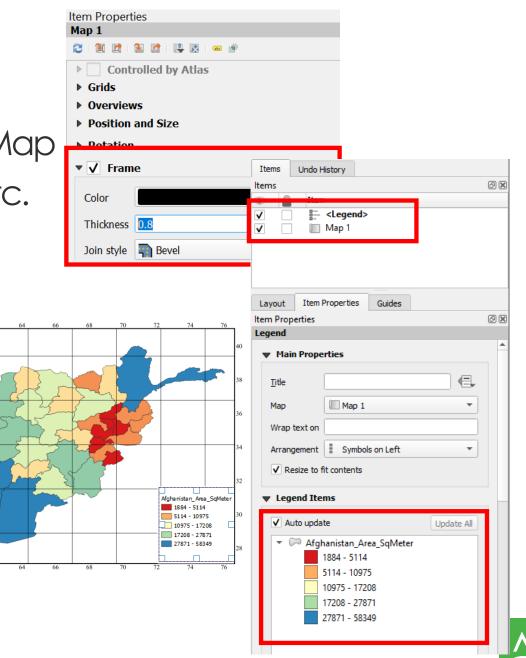
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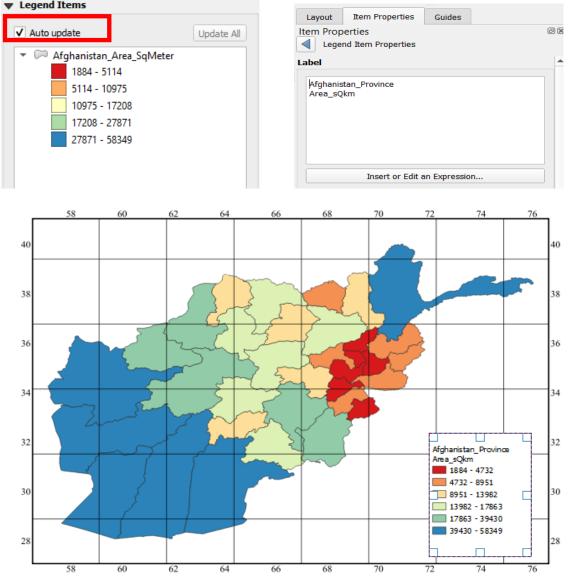




- Click on the Frame to add the frame of the Map and edit the properties i.e. Color, Thickness etc.
- Click on the icon Adds a new Legend to the layout
- $\succ$  Place the mouse on the screen and drag down to place legend
- $\succ$  The Legends appear on the print layout screen
- $\succ$  Under the Item panel you will be able to see Legend



- > Uncheck the **Auto update** box
- Double Click on the Legend Title and edit the name
- Check the box Only show items inside linked map
- Click OK
- Edit the font and text properties from Font and Text Formatting option



Adds a new Scale Bar to the layout

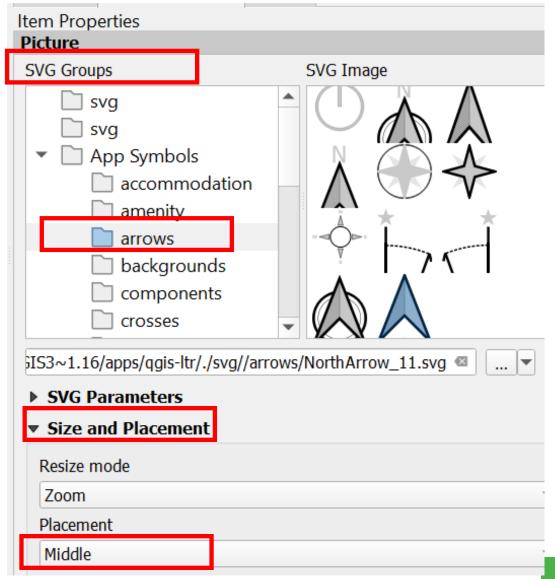
Place the mouse on the screen to place Scale and drag down

 $\succ$  Click on the icon

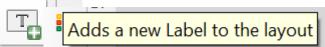
- The Scale appears on the print layout screen
- Under the Item panel you will be able to see Scalebar
- Edit the properties of Scalebar from Scalebar Main Properties i.e Units, Segmants etc.

<sup>7</sup> Units				
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Label for units	m			
Number format		Customize		
Segments				
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• Fixed width		75.00000 units	5	
O Fit segment width	I	50.00 mm		
		150.00 mm		ł
Height		3.00 mm		1
Right segments subdiv	visions	1		1
Subdivisions height		1.50 mm		Ę

- Click on the icon A Adds a new North Arrow to the layout
- Place the mouse on the screen to place North Arrow and drag down
- > The Arrow appears on the print layout screen
- Under the Item panel you will be able to see North Arrow
- You may choose different North arrows from arrows under the SVG groups
- Edit the size and placement



 $\succ$  Click on the icon



- Place the mouse on the screen to place Label on the screen and drag down
- ➢ Edit the Label from the Main Properties
- > Edit the **Font** properties i.e. Type, style, size
- > Set the Horizontal and Vertical alignment

Items		
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✓	T Afghanistan Administrativ	
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✓	Scalebar>	
✓	Legend>	
✓	Map 2	
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Export your Map as image or pdf

Click on the icon Export as image

image

image

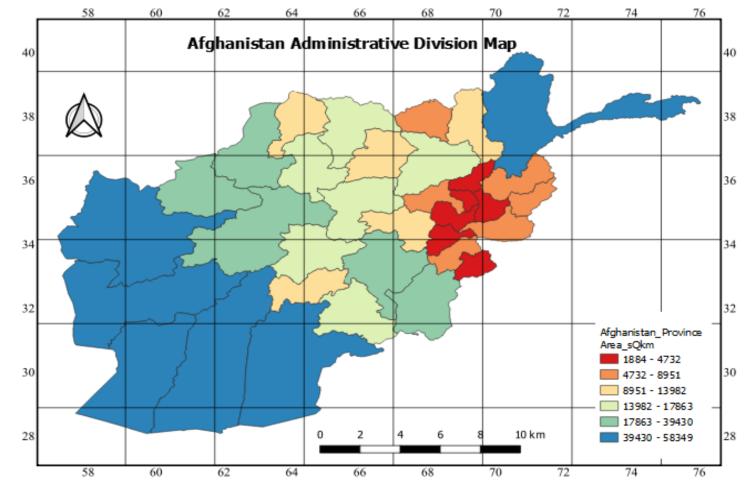
image

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image

image



#### Thank you

# Let's protect the pulse.