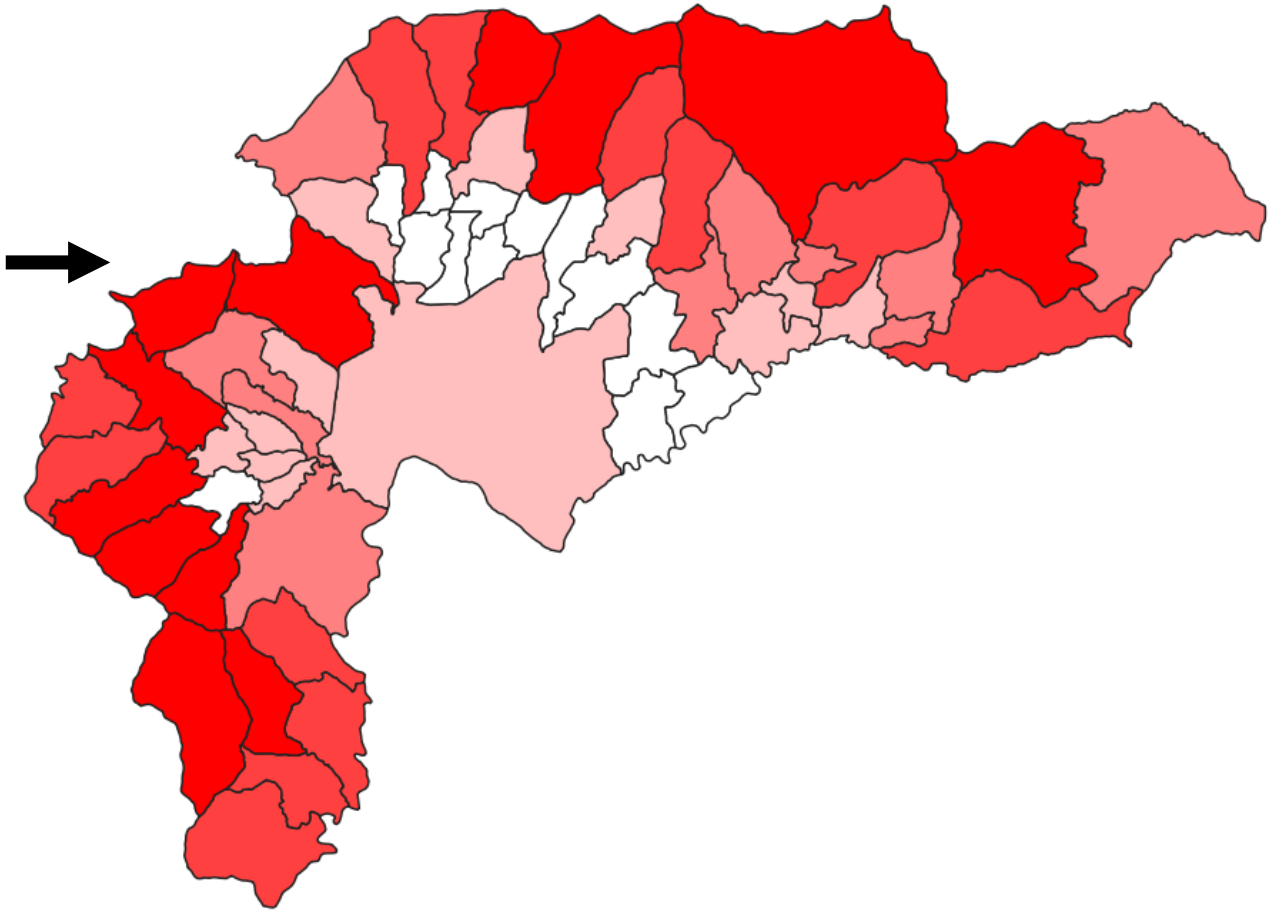
ICIMOD

FOR MOUNTAINS AND PEOPLE

# DAY 4
# Exercise 1
# Map production in QGIS

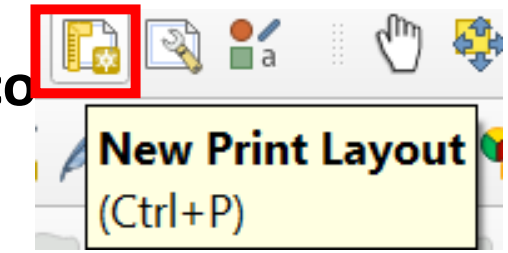
# Map production in QGIS

- Open the Kathmandu_Hazard file in QGIS
- Select and edit the **Symbology** for the field you want to display in the Map (In this case **Forest_Density**)

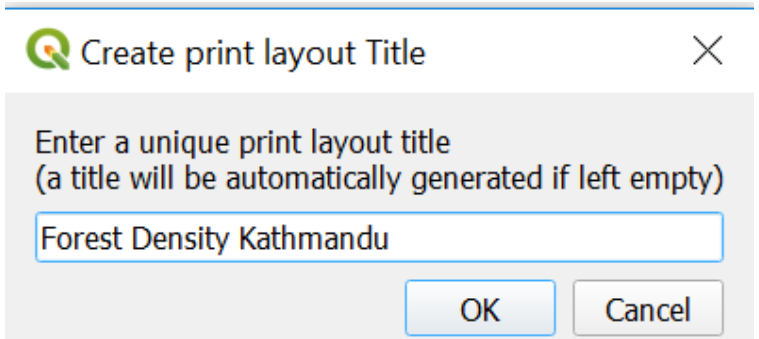


# Map production in QGIS

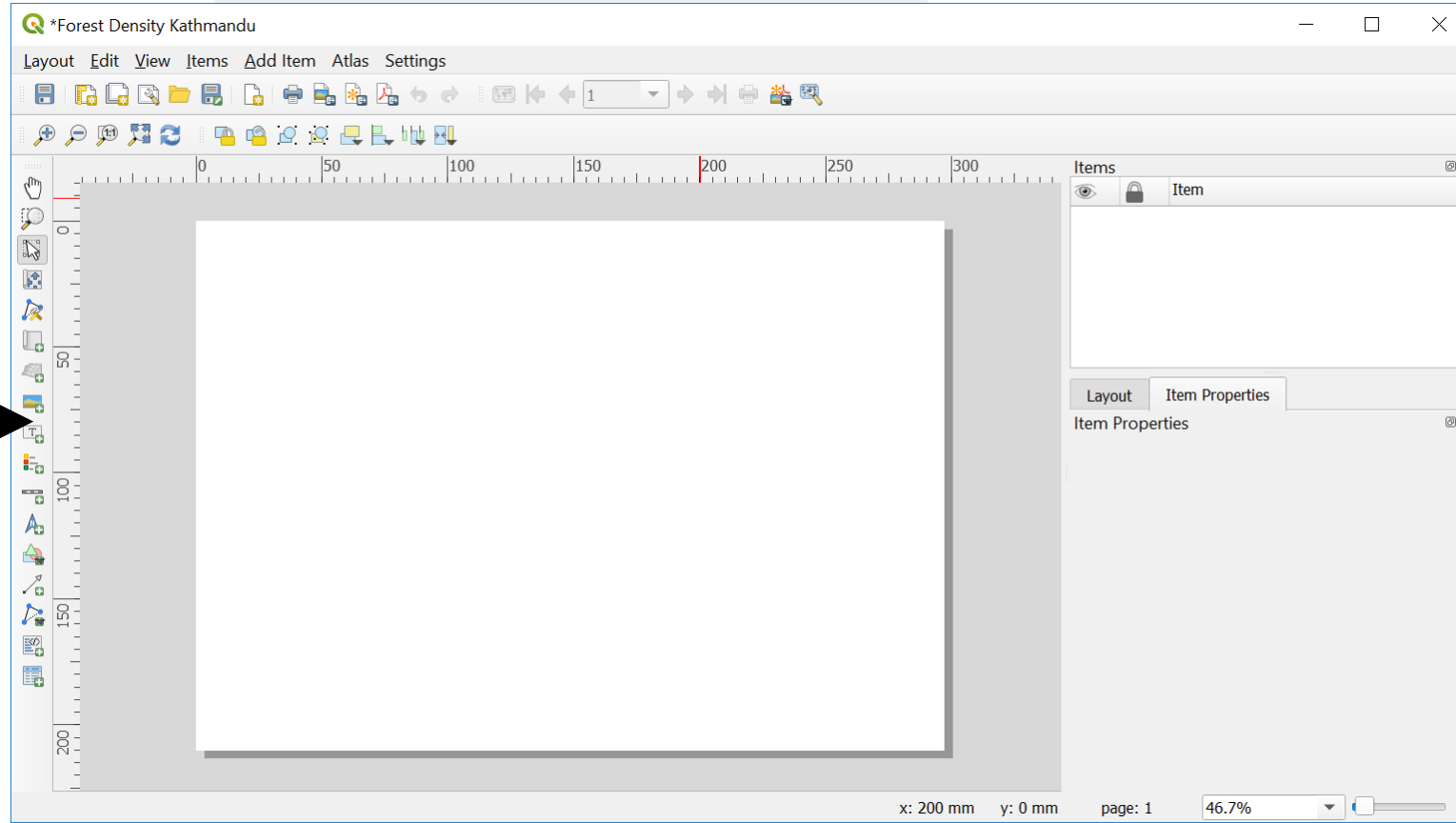
- **Click on the ico**



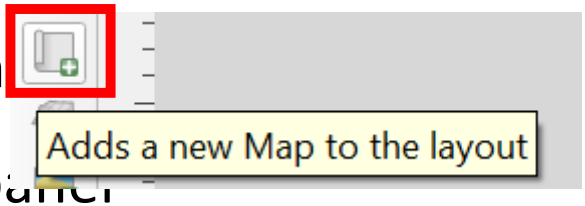

- A window **Create print layout Title** will appear




- Enter the title in the window and click **OK**
- A new print layout window opens

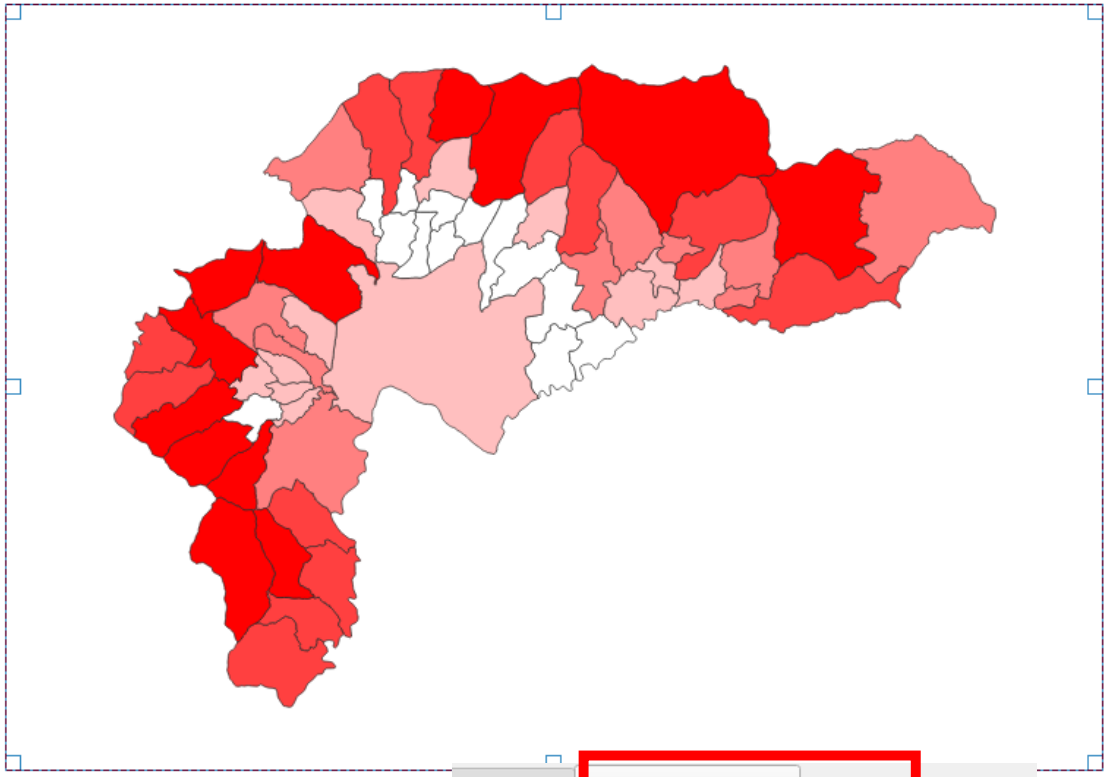


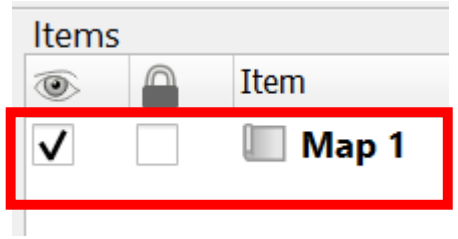
# Map production in QGIS

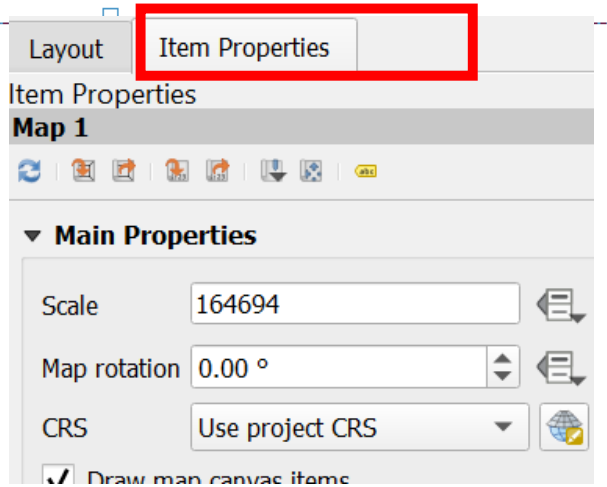
- Click on the icon 


From the toolbox panel

- 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**

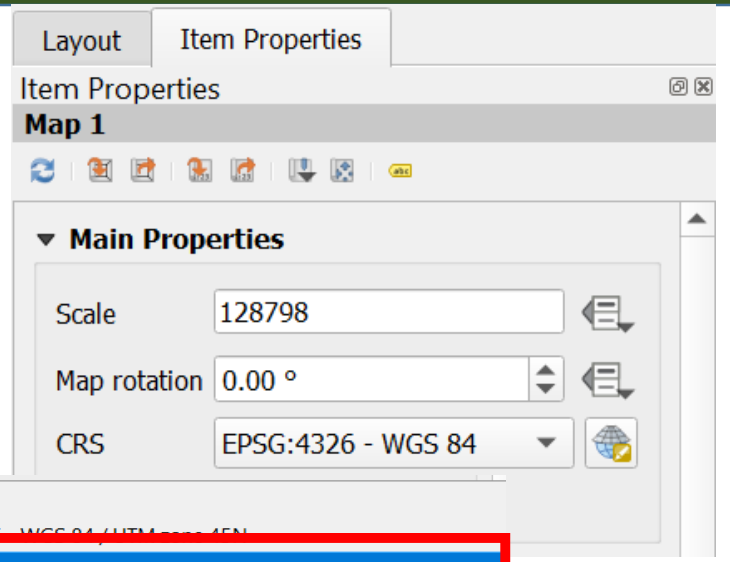


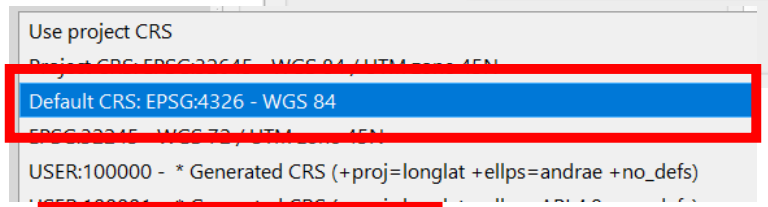


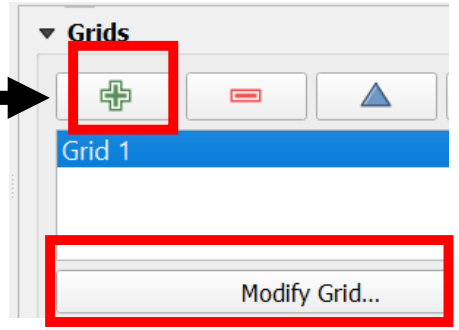
# Map production in QGIS

- Under the **Item Properties** drop down the arrow under **CRS** and select **Default CRS:**



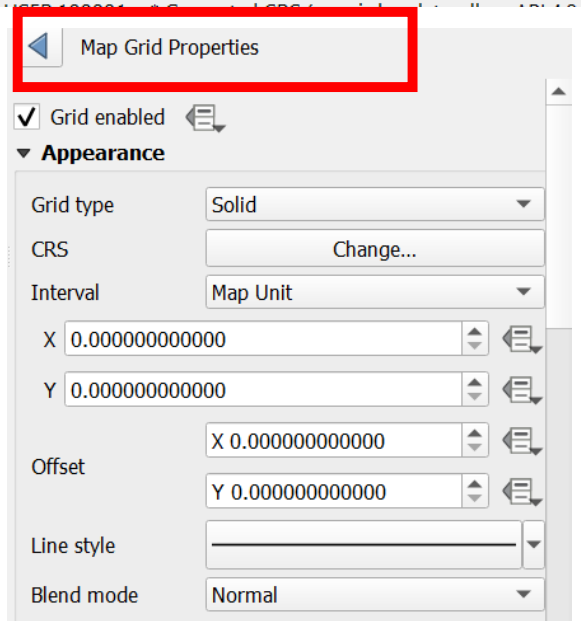




- Scroll down the Item Properties -> click on the **Grids->** **+** sign



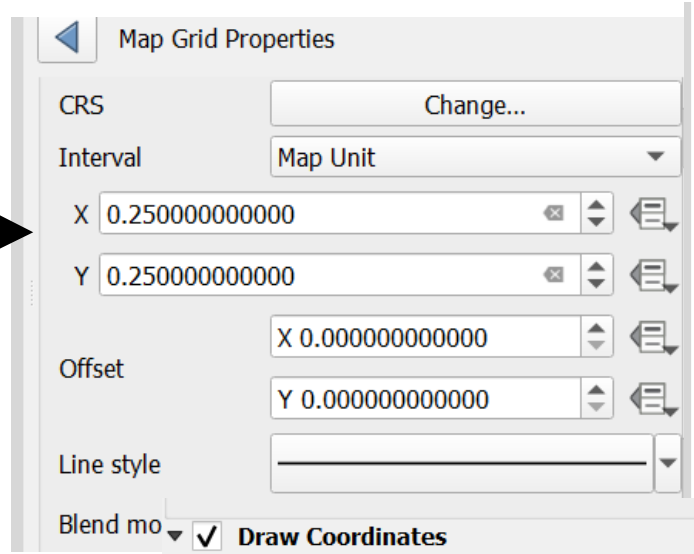

- Click on **Modify Grid**

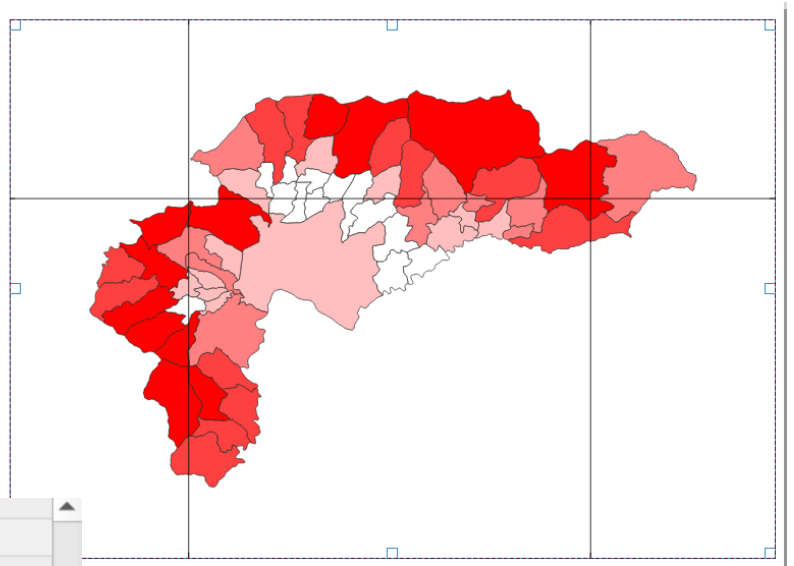
- The **Map Grid Properties** will appear

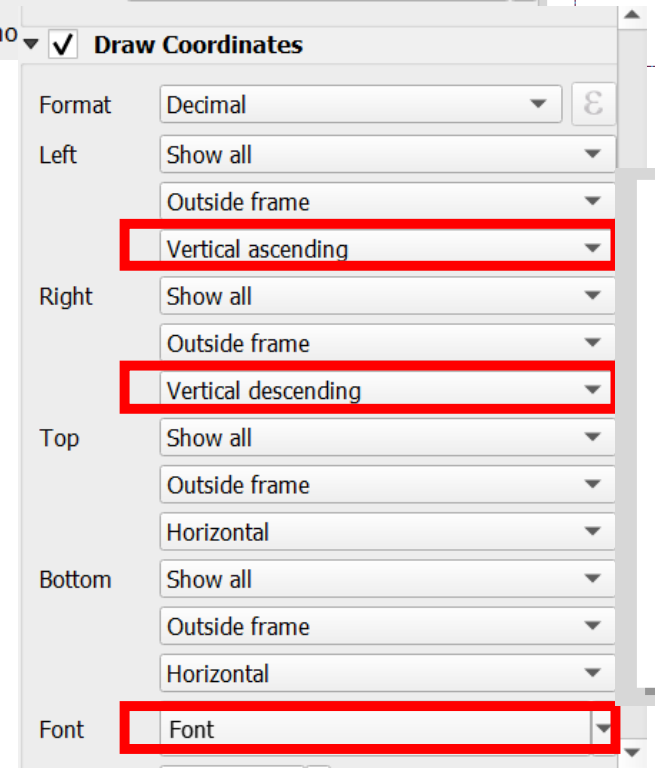


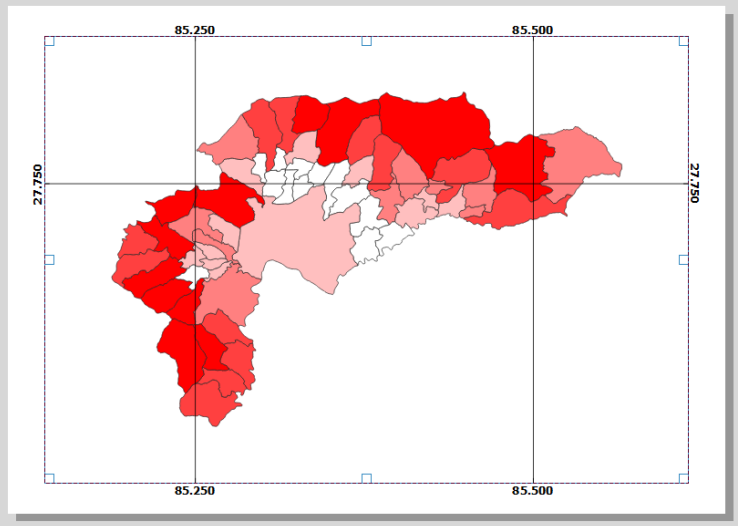
# Map production in QGIS

- Set the **X** and **Y** values as 0.25 under **Interval**
- Grids appear on the Map
- Scroll down the **Map Grid Properties** -> click on **Draw Coordinates**
- Change the **Left** and **right** display of Coordinates
- Change the font size of the coordinates
- Coordinates appear on the Map

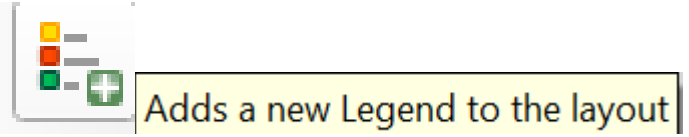


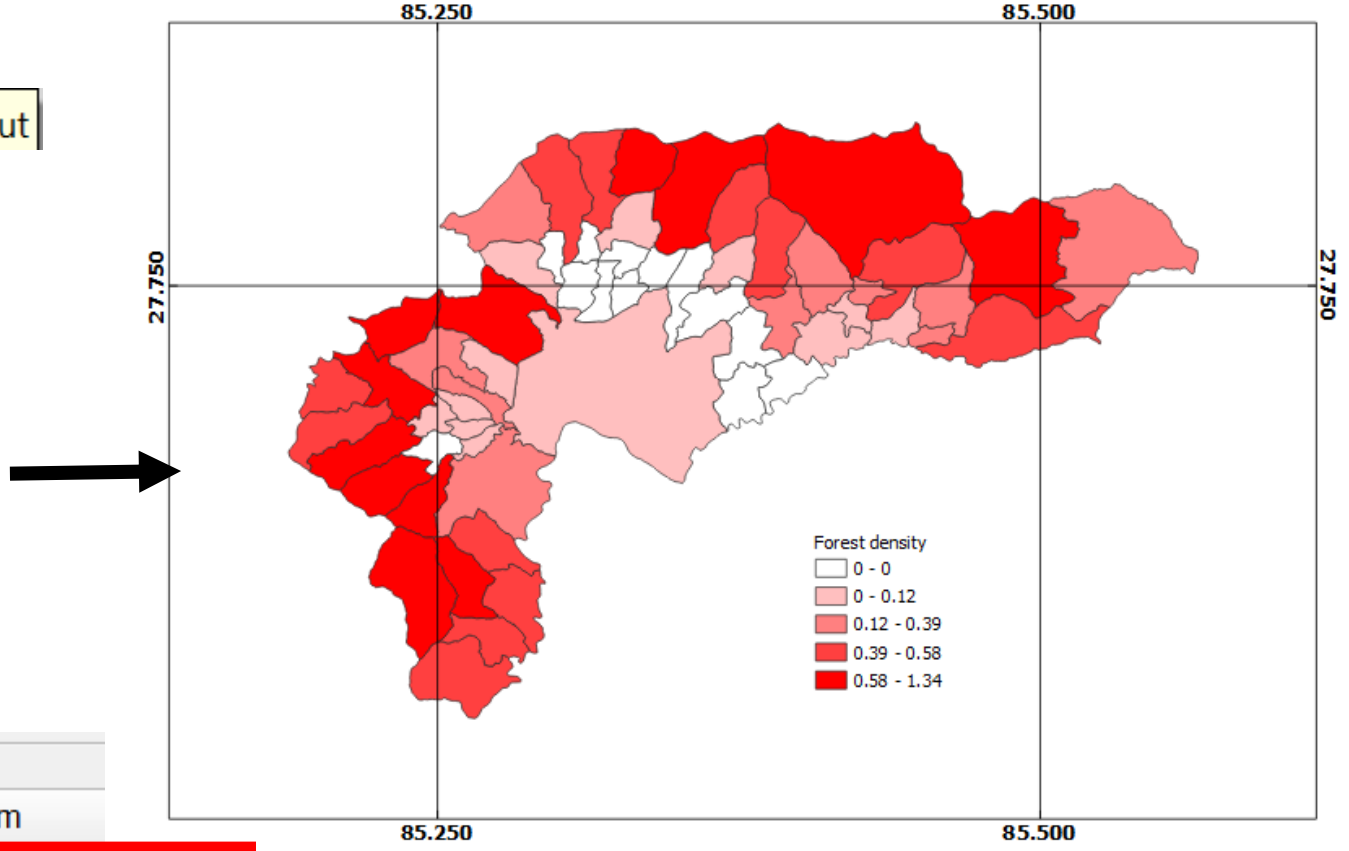


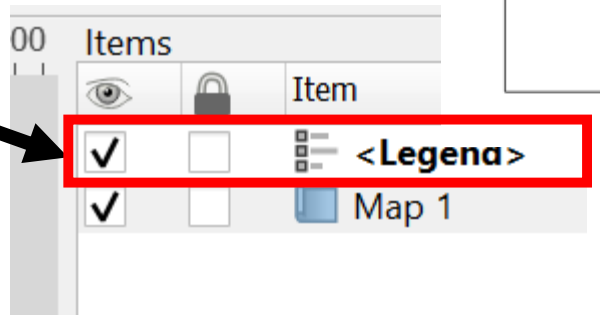



# Map production in QGIS

- Click on the **Frame** to add the frame of the Map and edit the properties i.e. **Color, Thickness** etc.
- Click on the icon 

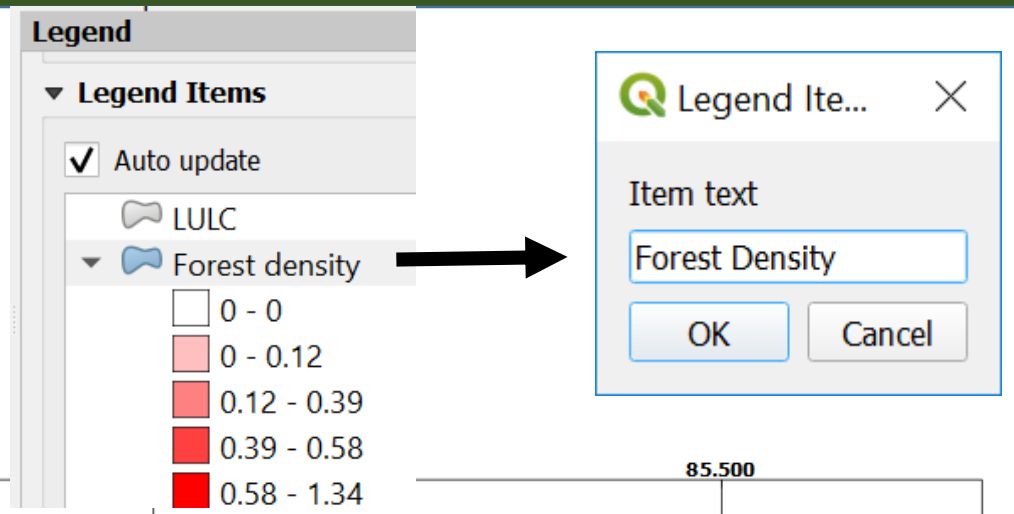
- Place the mouse on the screen to place legend drag down
- The **Legends** appear on the print layout screen
- Under the Item panel you will be able to see **Legend**

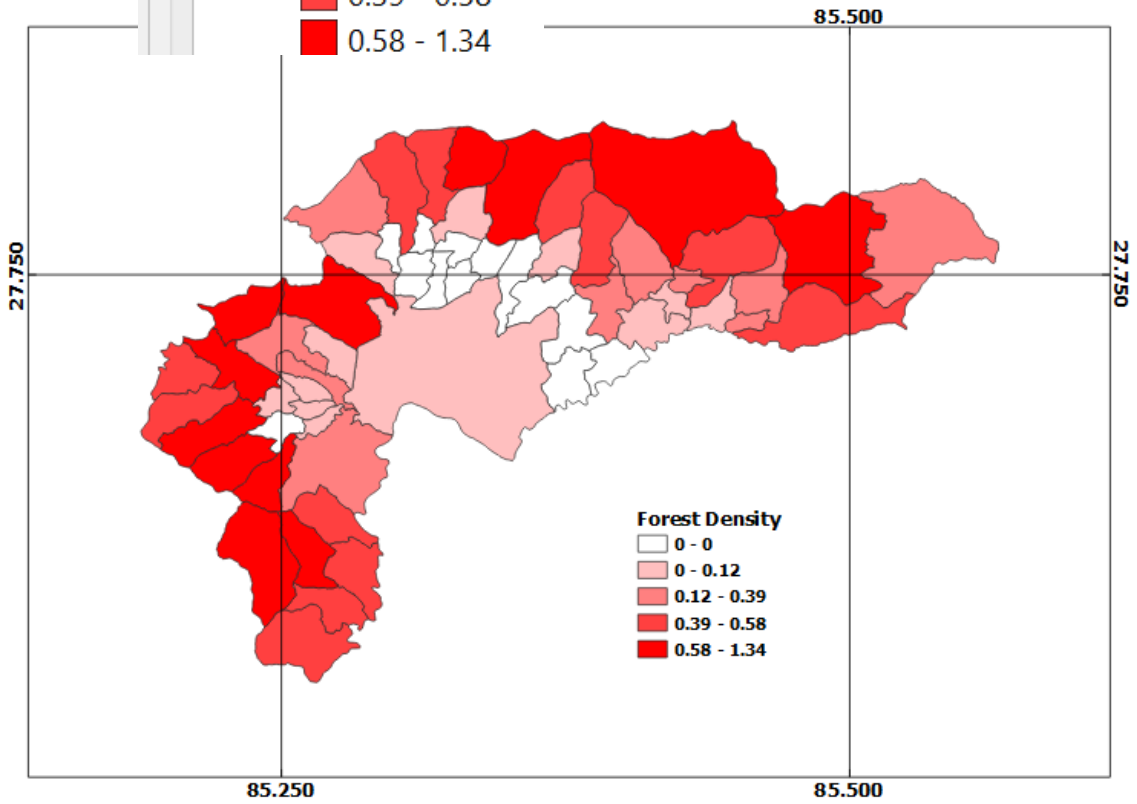


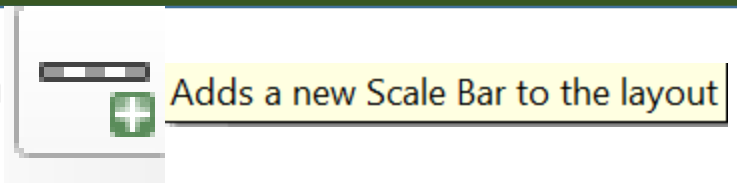
# Map production in QGIS

- **Double Click** on the Legend Title and edit the name
- Click **OK**
- Edit the font and text properties from **Font and Text Formatting** option

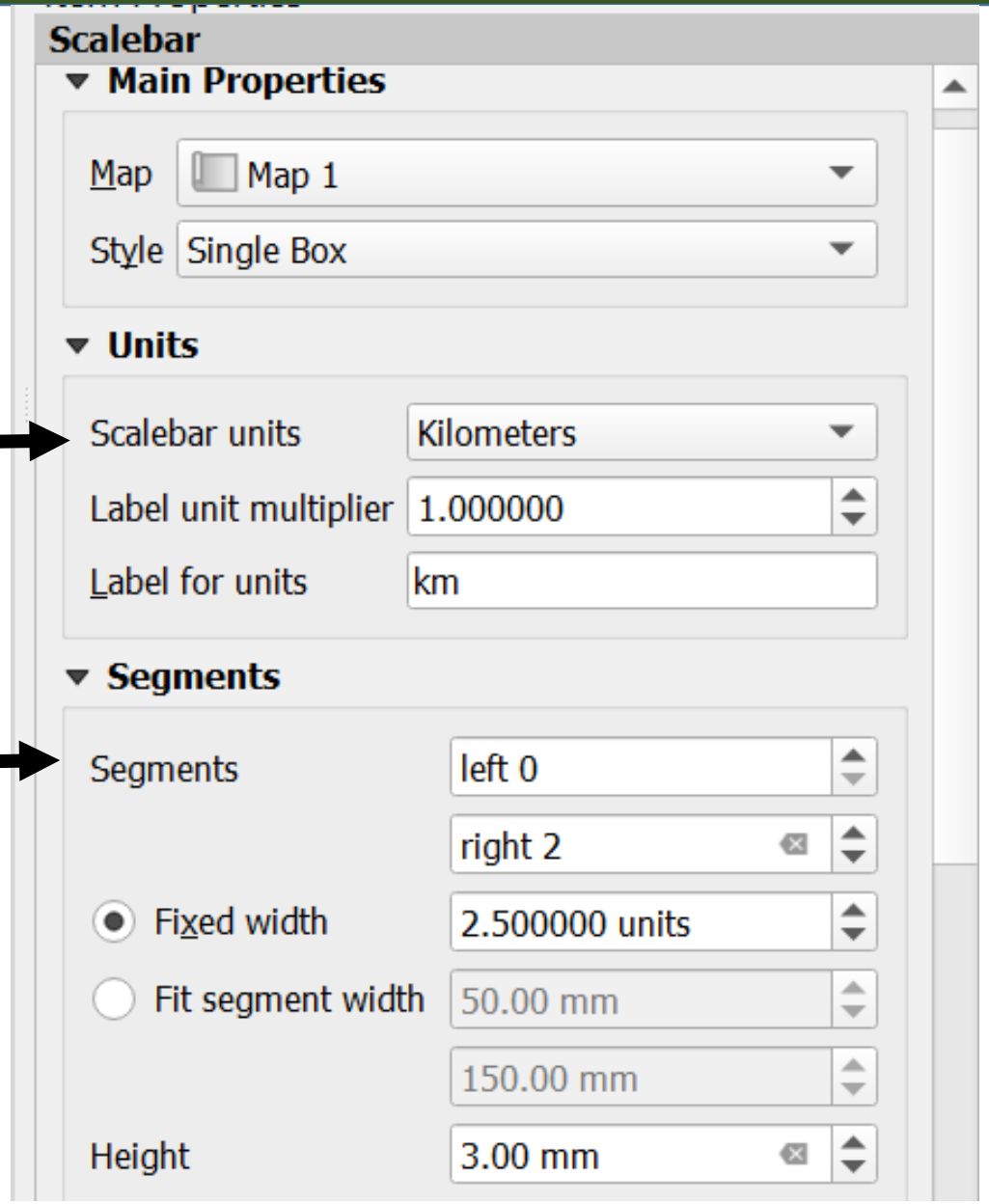


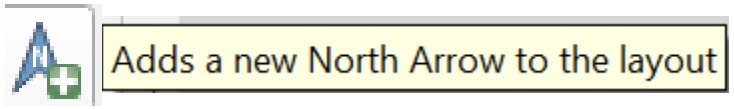
# Map production in QGIS

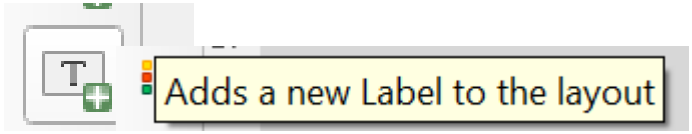
- Click on the icon 

- Place the mouse on the screen to place **Scale** and drag down
- 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.**

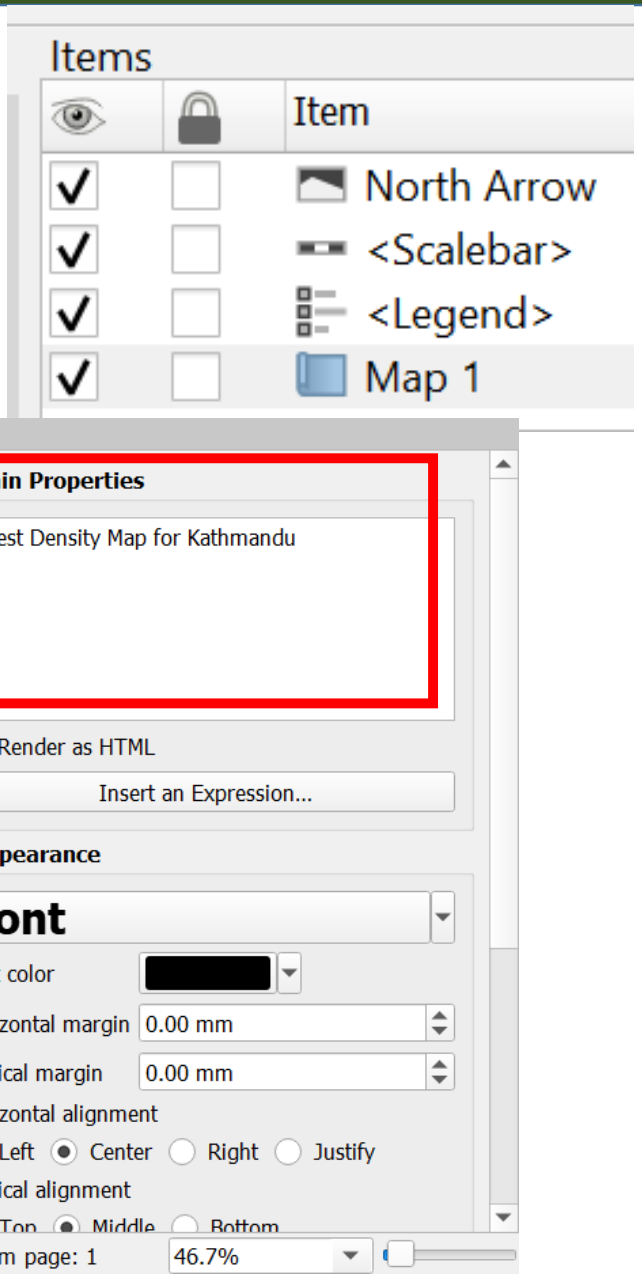


# Map production in QGIS

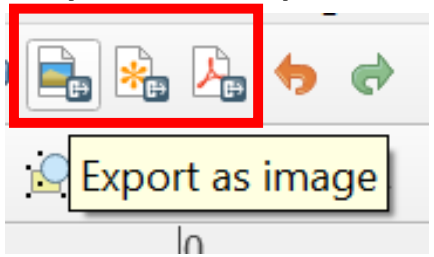
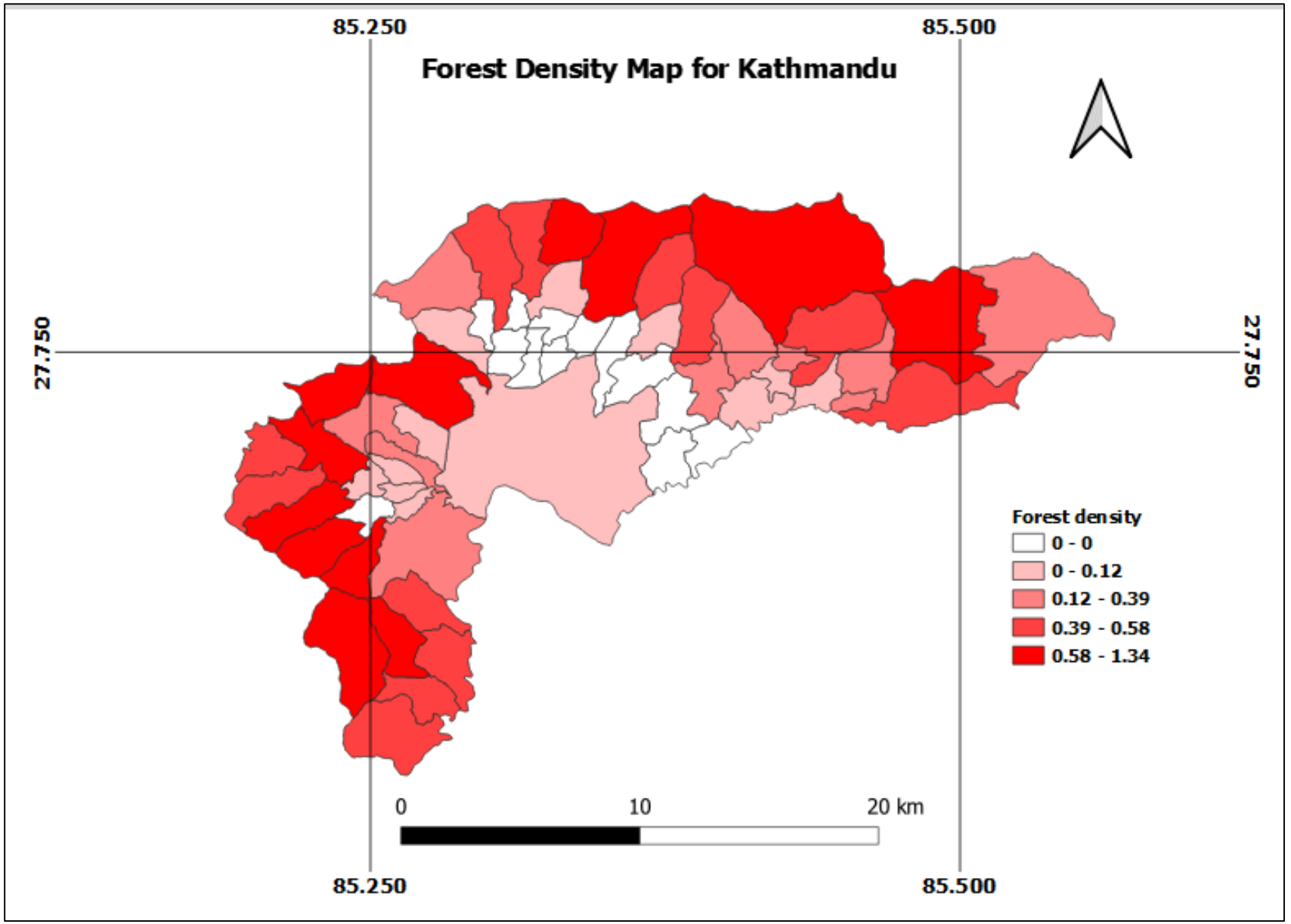
- Click on the icon 

- 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**
- 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**



# Map production in QGIS

## Forest Density Map for Kathmandu

Export your Map as image or pdf