

ICIMOD

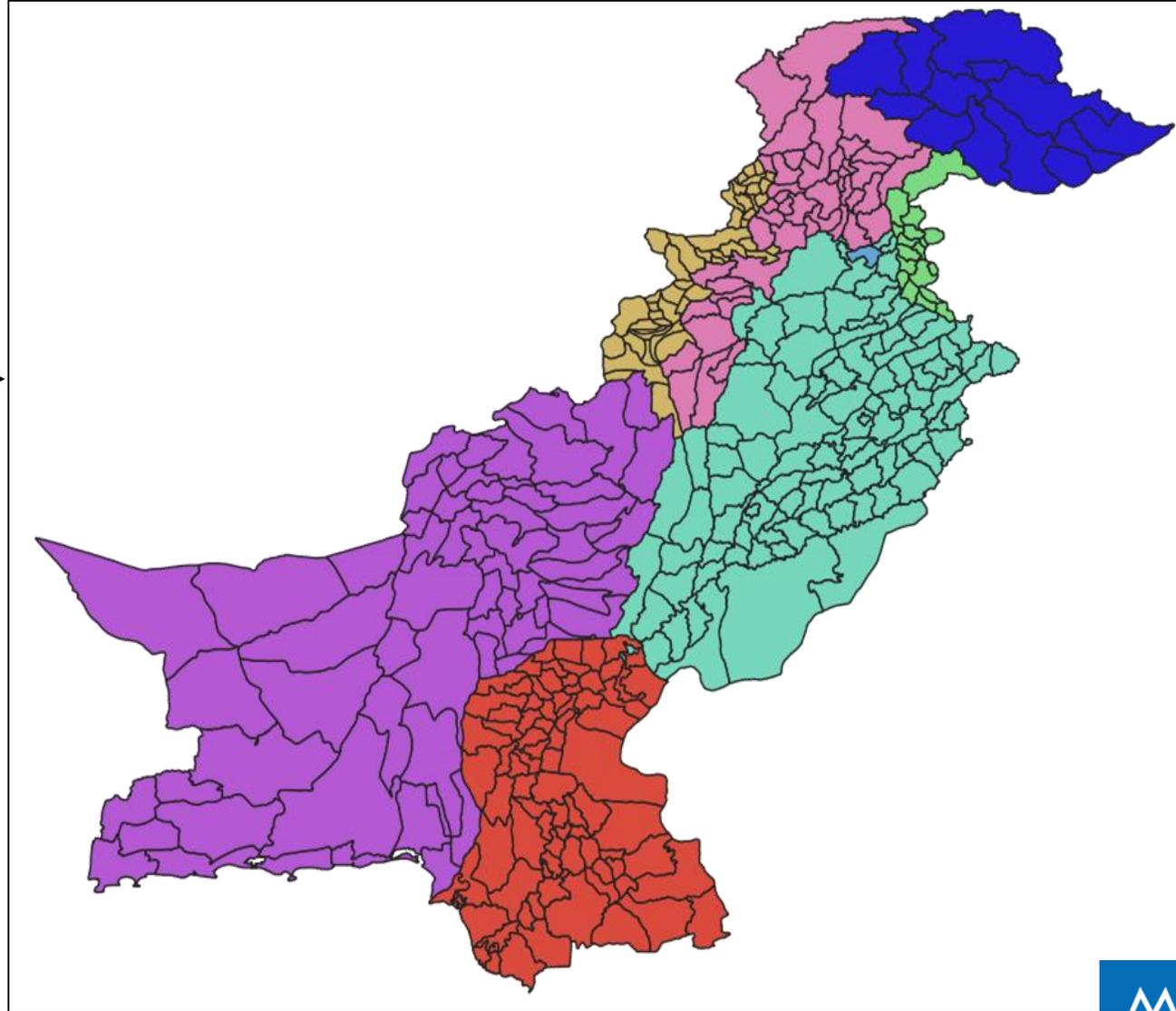
DAY 4

Exercise 1

Map production in
QGIS

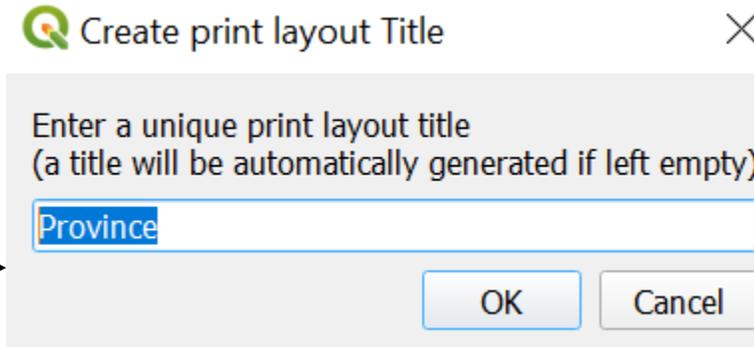
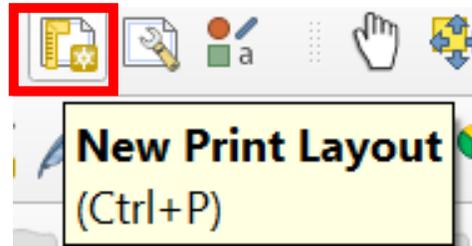
Map production in QGIS

- Open the **tehsils_Pakistan.shp** file in QGIS from the folder **day1\day1_exercise\Exercise 1**
- Select and edit the **Symbology** for the field you want to display in the Map (In this case **Province**)



Map production in QGIS

- Click on the icon

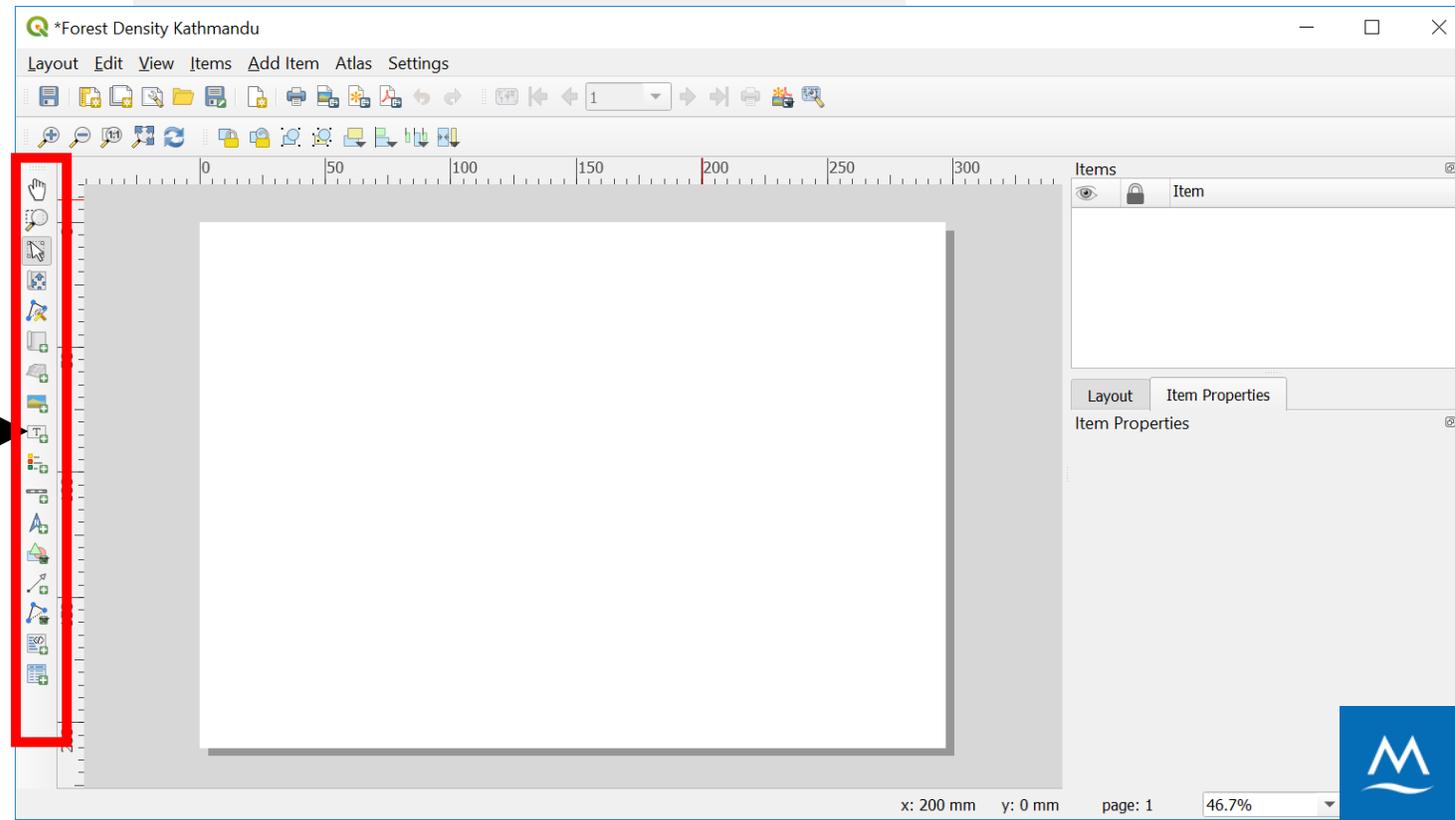


- A window **Create print**

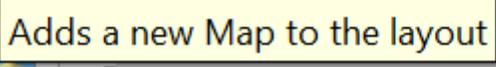
layout Title will appear

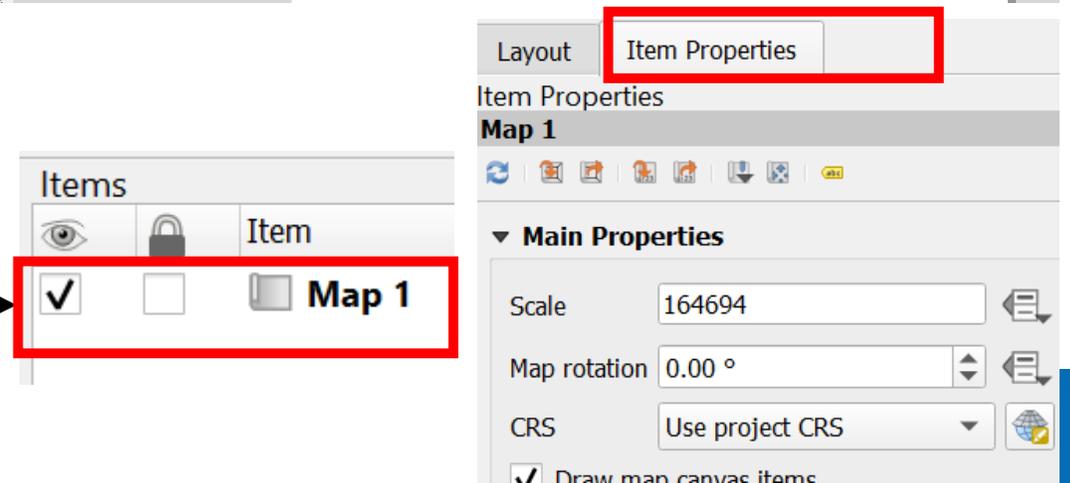
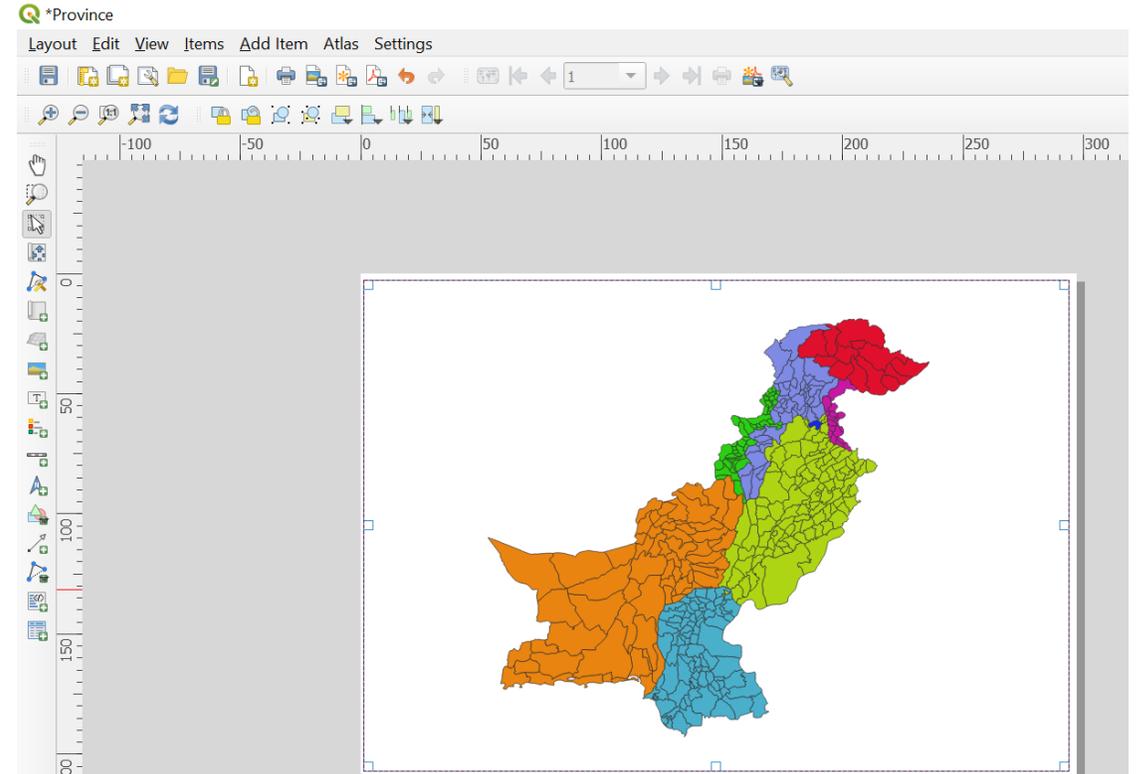
- Enter the title in the window (i.e. Province) and click **OK**
- A new print layout window opens

Toolbox panel



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**



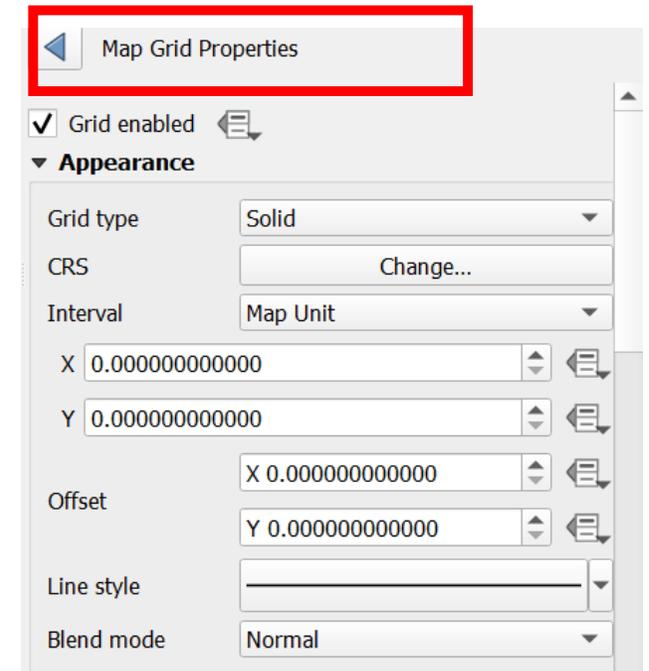
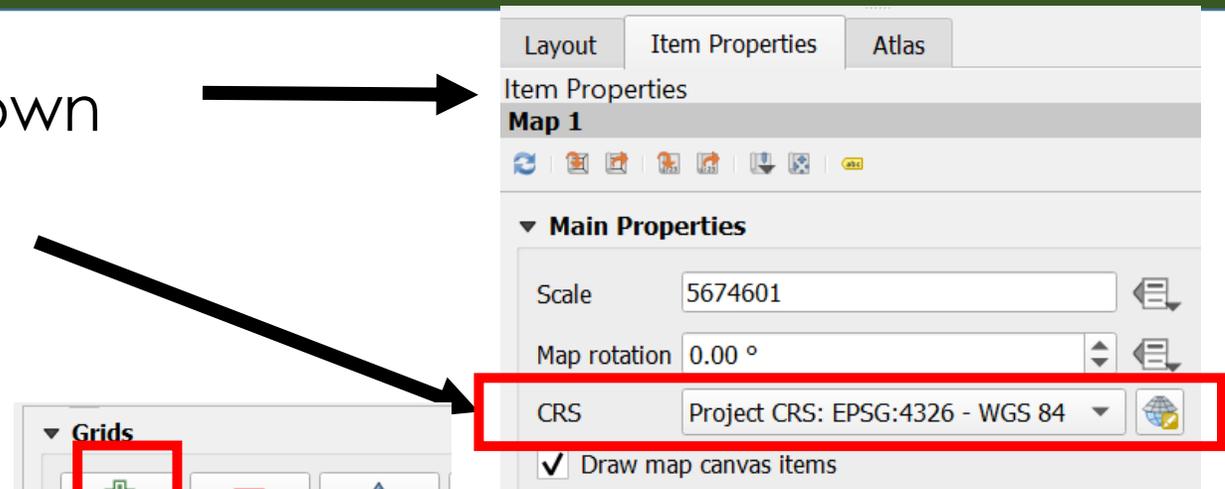
Map production in QGIS

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

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

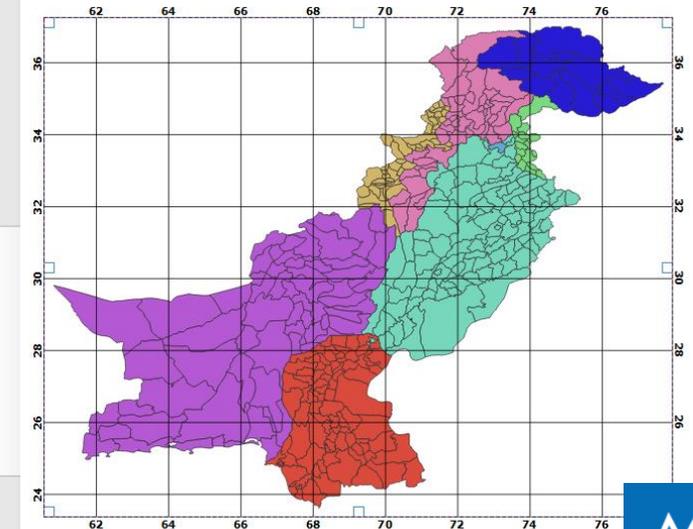
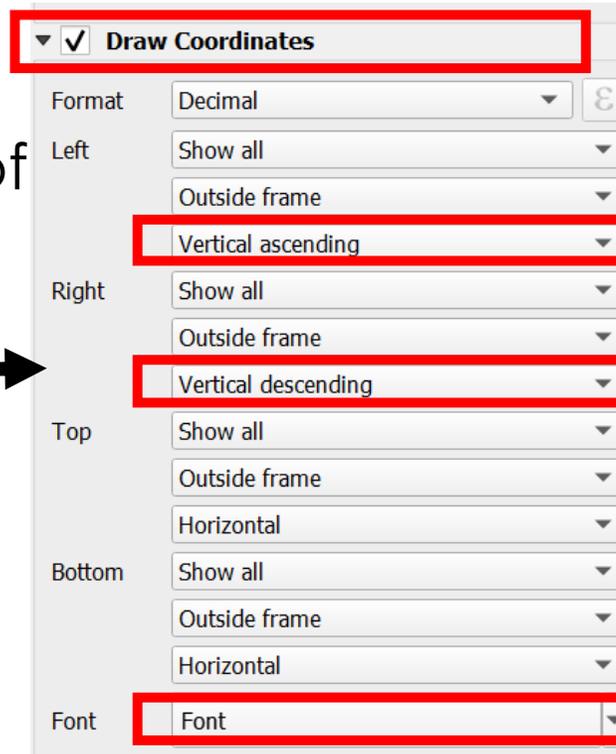
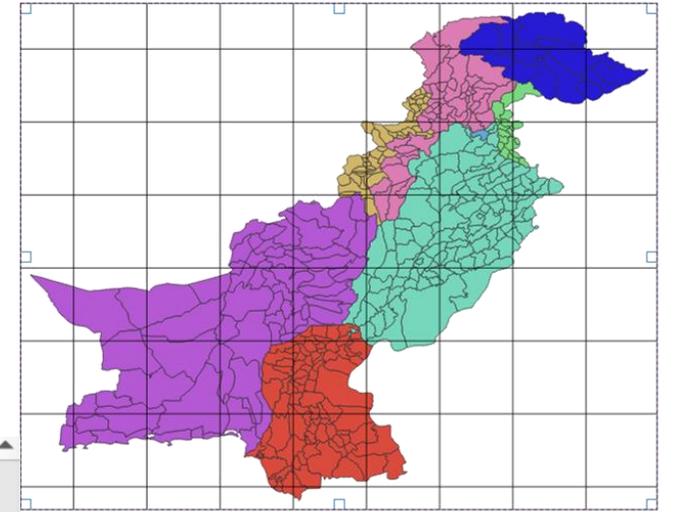
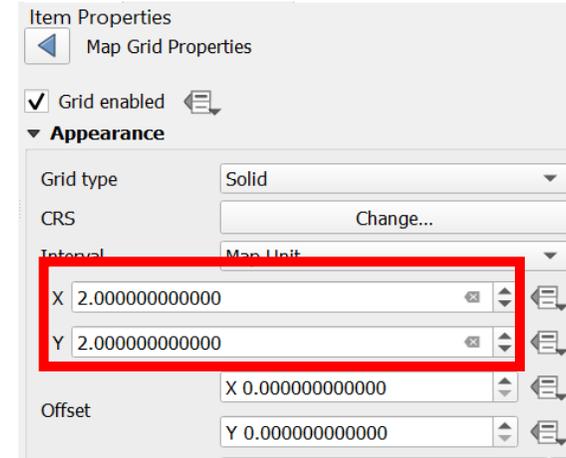
➤ Click on **Modify Grid**

➤ The **Map Grid Properties** will appear



Map production in QGIS

- Set the **X** and **Y** values as **2 deg** 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

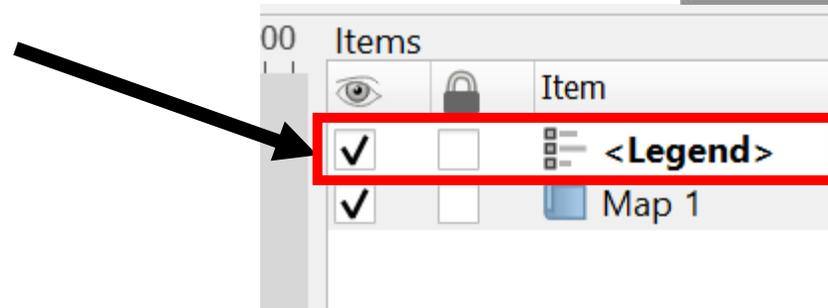
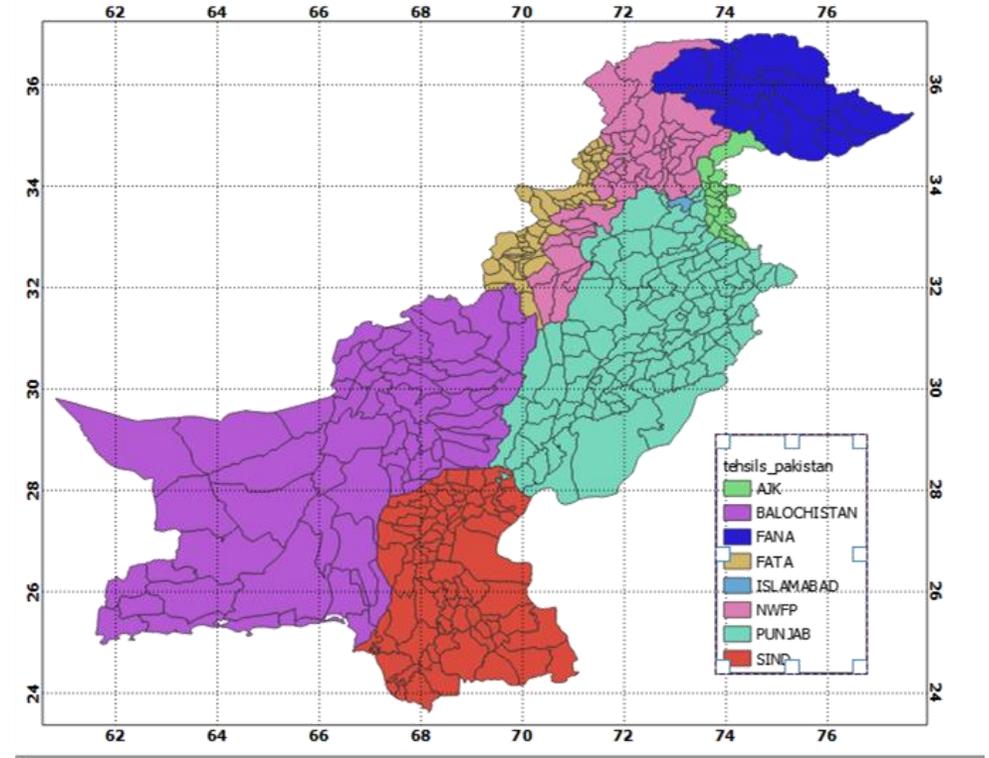
➤ Click on the **Frame** to add the frame of the Map and edit the properties i.e. **Color, Thickness** etc.

➤ Click on the icon  Adds a new Legend to the layout

➤ Place the mouse on the screen to place legend drag down

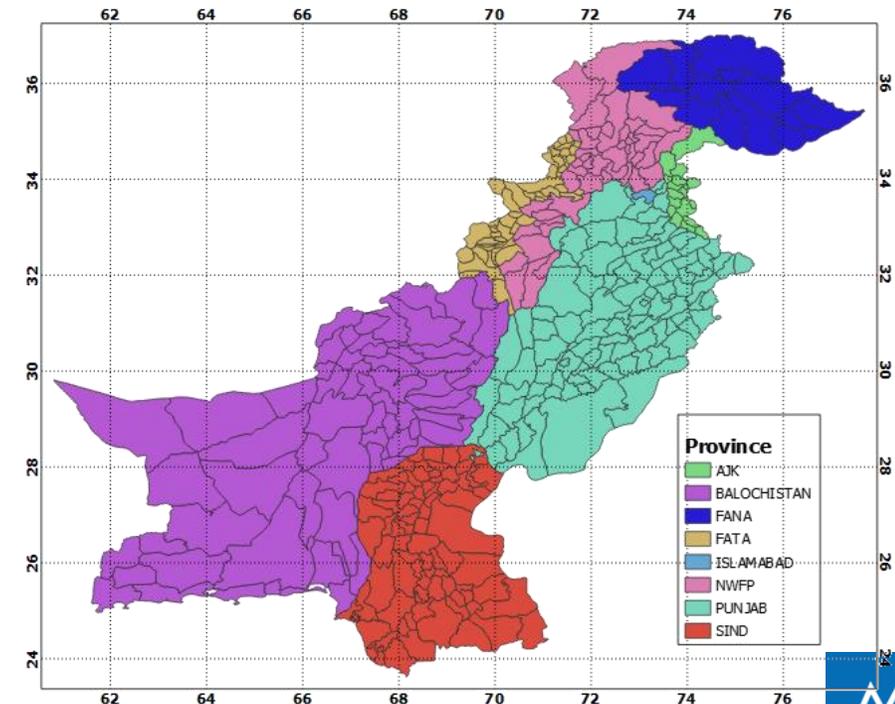
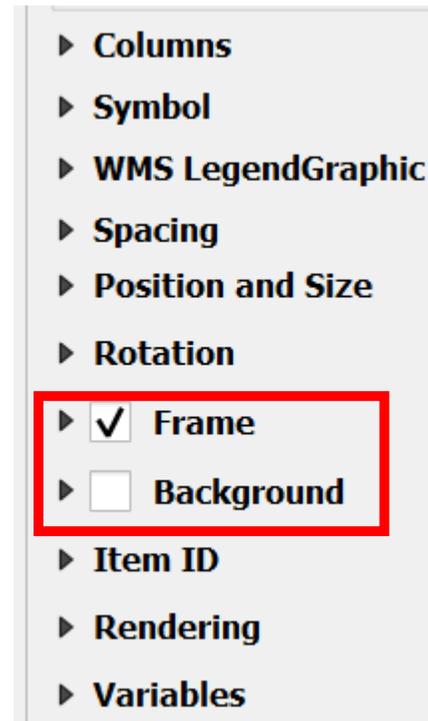
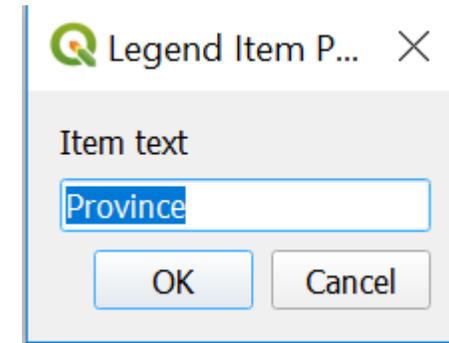
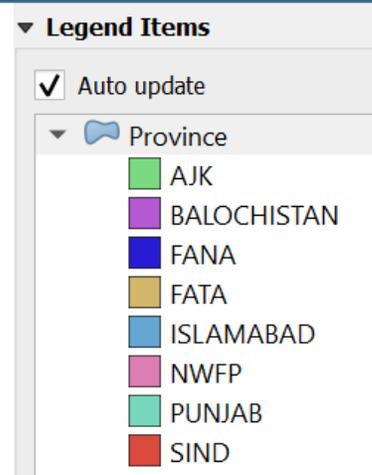
➤ The **Legends** appear on the print layout screen

➤ Under the Item panel you will be able to see **Legend**



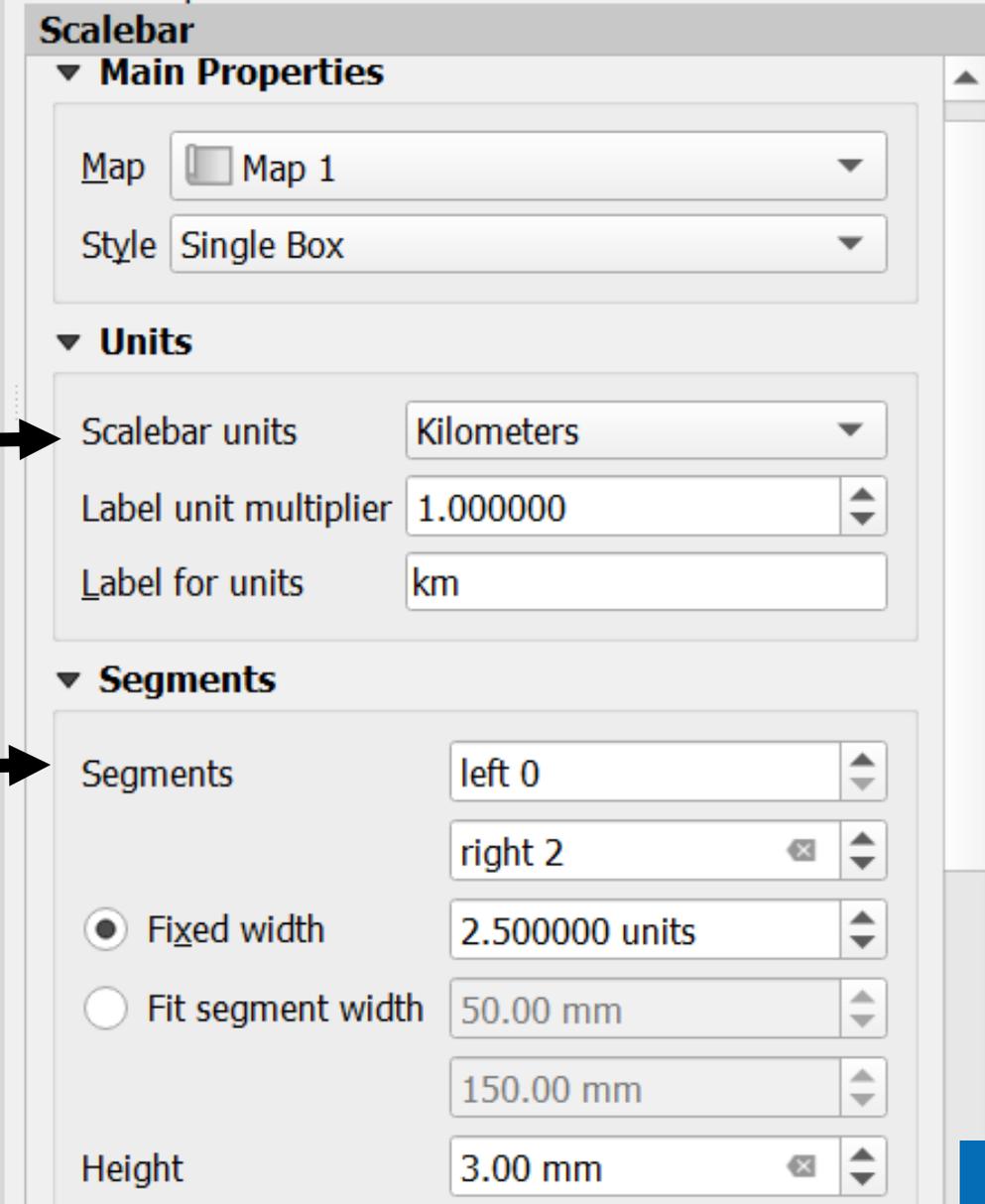
Map production in QGIS

- **Double Click** on the Legend Title and edit the name
- Click **OK**
- Edit the font and text properties from **Font and Text Formatting** option
- Scroll down the Legend properties and check on the **Frame** option and uncheck the **Background**



Map production in QGIS

- Click on the icon  Adds a new Scale Bar to the layout
- 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, Segments etc.**



Scalebar

▼ **Main Properties**

Map

Style

▼ **Units**

Scalebar units

Label unit multiplier

Label for units

▼ **Segments**

Segments

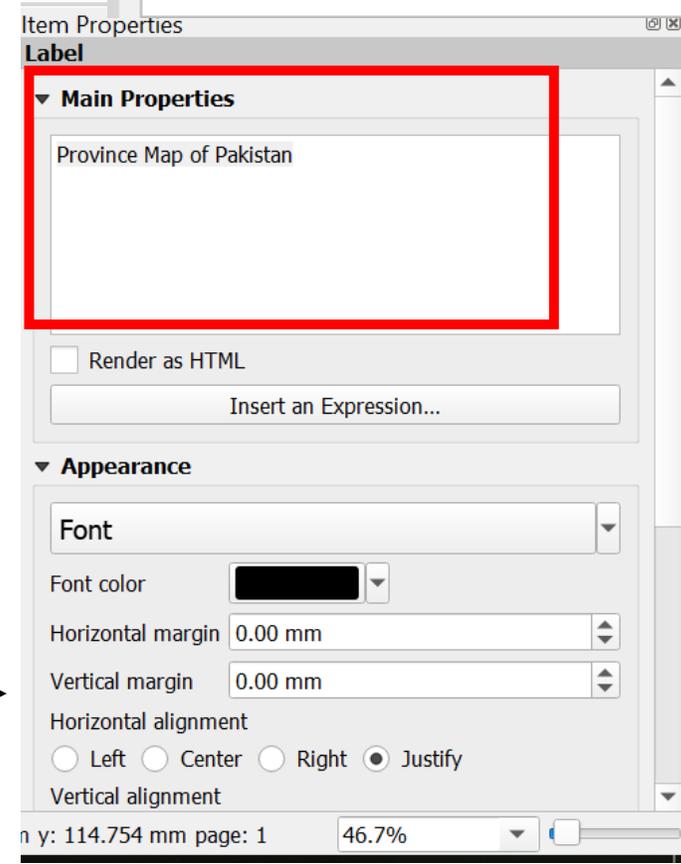
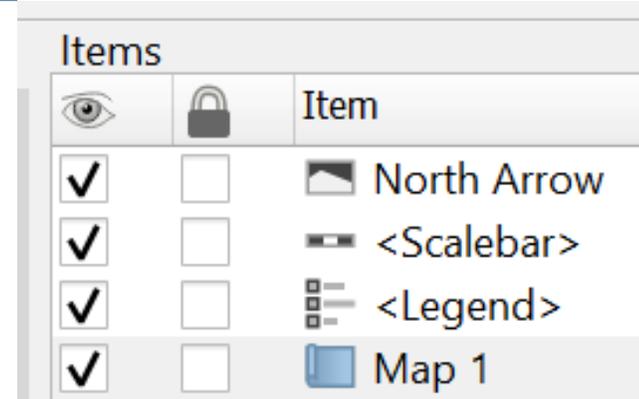
Fixed width

Fit segment width

Height

Map production in QGIS

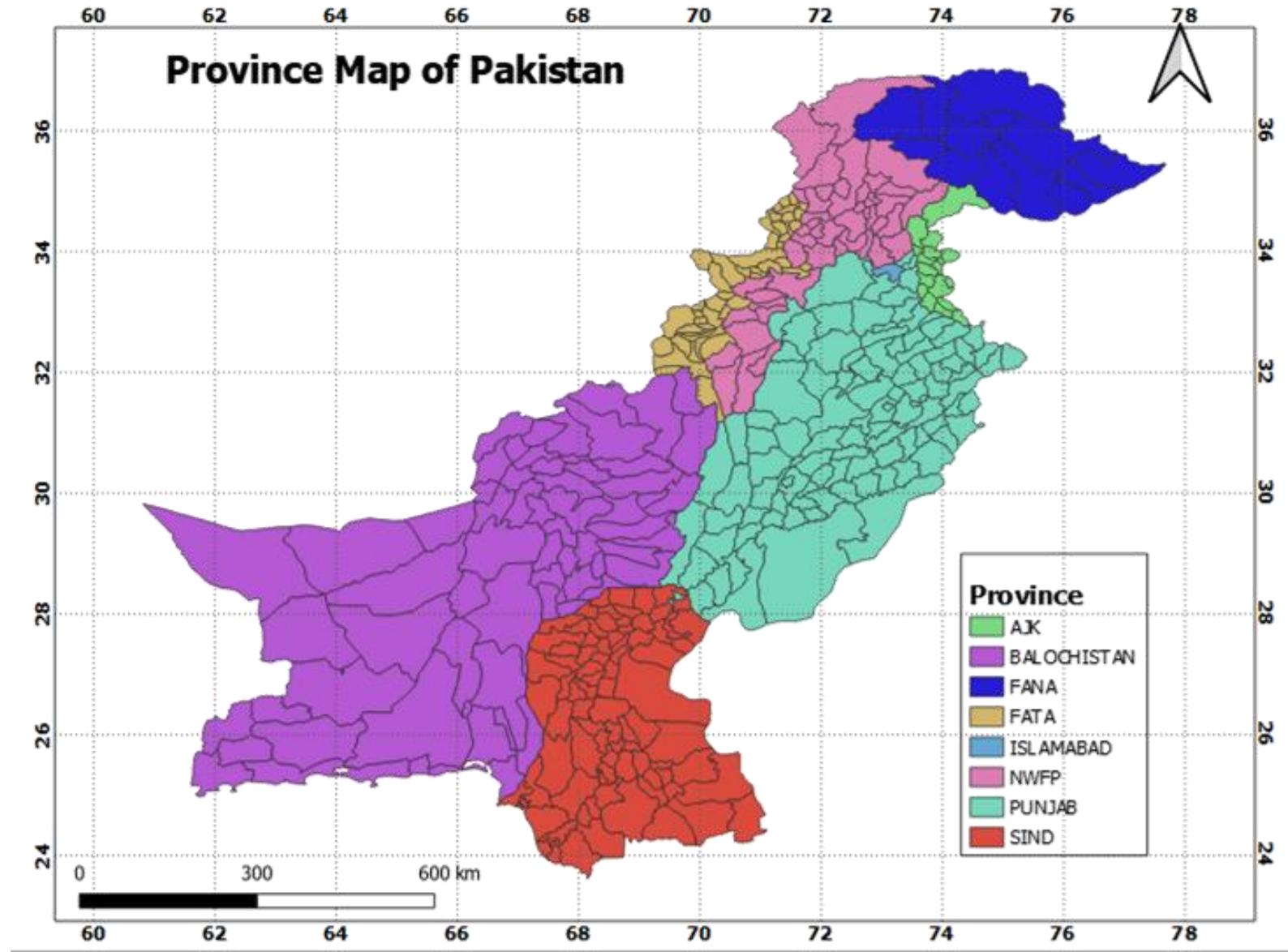
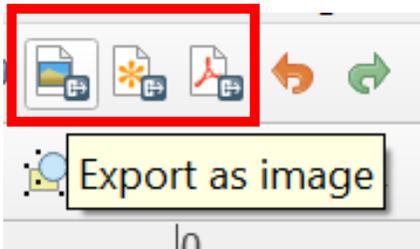
- Click on the icon  Adds a new North Arrow to the layout
- Place the mouse on the screen to place **North Arrow** and drag down
- The **Arrow** appears on the print layout screen
- Under the Item panel you will be able to see **North Arrow**
- Click on the icon  Adds a new Label to the layout
- Place 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

Province Map of Pakistan

Export your Map as image or pdf





Thank you

Let's protect
the pulse.