10 ITWCVP

GIS Training

Day 3

Map Making

1. OBJECTIVE 1: Familiarize with *Print Composer* and produce simple quality maps
2. TASKS:
   1. Input data, analysis, and symbology
      1. Open previously-saved *modeling* project
      2. Add *ne\_1m\_ocean* data and style it with the *water* symbol
   2. Mapping: adding components of the map
      1. Go to *File >> New Print Composer* give it a name or just hit *Enter*
      2. Hover over each toolbar to understand its function
      3. Make sure *Rulers* are visible on top and at the left side of the window if not go to menu *View >> Show Rulers*
      4. Click *Add new map* toolbar and drag a rectangle box on the page (a map similar to what is on QGIS data view will be displayed). Leave some margin around the page. Adjust size if necessary. Notice *Map 0* shows up in the *Items* tab of the top panel (right side of the Print Composer)
      5. If necessary, click *Move item content* toolbar to move map inside the invisible frame. Resize map if necessary. Make sure the map occupies the whole frame.
      6. Scroll down to check box next to *Frame* in the *Item properties* of the bottom panel. Expand *Grids* and click on the + sign. Change *Grid type* to *Frame and annotations only*. Change both intervals in X and Y to 30. Check box next to *Draw coordinates*. Set *Format* to *Decimal with suffix*. Set *Right* and *Top* to *Disabled.* Set *Coordinate precision* to 0.
      7. To add title, click *Add new label* toolbar and drag a box on top of the map. Edit title as *Maximum Temperature from the GTS*

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* + 1. Change Font to *Arial Narrow* size *16,* set horizontal alignment to *center*
    2. Select *Select/Move item* toolbar. Select both the title and map (SHFT + click). Align center both the title and map. Click *Align selected items left* toolbar and select *Align center*
    3. Add legend. Click *Add new legend* toolbar and drag a box on the left side of the map. The legend should appear as well as all other visible layers in data view
    4. Edit and style the legend. Uncheck *Auto update* box in the *Legend items* section of the *Item properties* tab in the bottom panel. For every layer, except *Filtered Grid*, click the *minus* sign toolbar to remove it from the legend.
    5. Click *Filtered Grid* inside the *Legend items* then click the *pencil* (toggle editing) toolbar, delete, and leave blank.In the *Main properties*,edit *Title* as *Max temperature in degree C*. Scroll down the *Item properties* panel and check the box before *Frame*. Expand *Columns* section, increase *Count*, and check *Split layers* box. Move legend to bottom left. You may also reduce fonts if you want
    6. Add North arrow. Click *Add image* toolbar and drag a box on the bottom right. Expand *Search directories* (image may take a while to load) and select your choice of North arrow. Move and adjust size if necessary
    7. Click and drag *Add new label* over the bottom right of the map. Edit *Map produced by* (add your name here)
  1. Export map in different formats.
     1. Export map as PDF and PNG