ASSIGNMENT 01 – MAP PROJECTIONS

TASK:

Make a map showing distortions and area of Greenland in following projections:

- Goode Homolosine

- Bonne

- Winkel–Tripel

- Mollweide

- Cube

- Spilhaus

- Robinson

- Fuller

- Plate Carée

- Mercator

Your map should look similar to this map.

In technical report answer following questions:

1. Which projection distorts the shape of Greenlan the most/the less? Compare the total area of Greenland in these projections.

DATA SOURCES:

- States/Provinces, Natural Earth

SUBMISSION FORM:

- technical report
- 1 map in PDF format
- ppkx

INSTRUCTIONS:

- Set the projection of Map (*Properties-Coordinate Systems*) and add *states_provinces* layer
- Use *Definition Query* to filter the features to work only with your area of interest
- Use optional symbolization of the layer.
- Copy map and paste ten new maps and change the projection in each map to a different one.
- Add all map frames to layout and make sure each has the same scale (1:60,000,000).
- In *New Layout* (A3 Portrait) insert the Map Title, North Arrow, Legend, Scale and Credits
- Export *Layout* in PDF Format