Prepare your working environment in QGIS

1. Install the Point Sampling Tool Plugin in QGIS

Open QGIS

Go to the top menu, select Plugins->Manage and install Plugins:



On the search bar write "Point sampling tool":

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Not installed		Samples polygon attributes and raster values from multiple layers at specified sampling points			
Settings		The Point Sampling Tool Plugin collects polygon attributes and raster values from multiple layers at specified sampling points. You need a point layer with locations of sampling points and at least one polygon or raster layer to probe values from. The plugin creates a new point layer with locations given by the sampling points and attributes taken from all the underlying polygons or/and raster cells. Please use Control and Shift keys in order to select multiple columns and bands. Note this tool is not compatible with multipoint sources, unless each multipoint contains exactly one point. Using multipoint samples that contain more points in multipoints may produce unreliable results.			

Hit the "Install plugin" button on the bottom.

A message should appear after a few seconds:

"Plugin successfully installed"

Close the Plugins window. In the main QGIS window a new plugin can be now found under **Plugins>Analyses> Point sampling tool**:

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2. Add the coastlines and countries boarders layer

Download the coastlines shapefile, going to the website:



and select Admin 0 - Countries > Download Countries

You will see the file ne_10m_admin_0_countries.zip will start to be transferred to your local computer.

Once the download of this file is finished, unzip it to a local directory.

Open Qgis Application

Go to the directory where you have saved the file ne_10m_admin_0_countries.shp

Drag the file ne_10m_admin_0_countries.shp to Qgis:





On the Layer Properties window that is opened select the drop down button related to "Color"

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On the new window that pops up, drag the small arraw to the left so that opacity is set to 0:



Finally select "Apply" and "Close"

Now your map should look like this:

