**Features** (**https://pygis.io/docs/e\_new\_rasters.html)**

1. Calculate biophysical parameters
   1. Clip according to the study area
      1. Rectangle
      2. shapefile
   2. Mask with cloud cover
   3. Input arguments – S2.NDVI(Image\_band\_directory, studyArea[BBox or shapefile], cloud\_remove [true or false])
2. Save biophysical parameters as a raster – save\_location,
   1. <https://www.youtube.com/watch?v=bZMgVe6s33s&ab_channel=BIPINMSIT>
   2. print(raster.profile)
3. Calculate custom normalized difference – band 1 and band 2 [B1 to B5], Image\_band\_directory
4. Visualize rasters

plt.imshow(raster.read(1), cmap="BrBG")

plt.title("Temperature")

plt.show()

1. Support landsat 8 and 9 and sentinel 2 images