1 Introduction to Google Earth Engine Explorer

MCD43A4.061 MODIS Nadir BRDF-Adjusted Reflectance Daily 500m
`https://doi.org/10.5067/MODIS/MCD43A4.061`

- **Dataset Availability**: 24 Feb 2000 - 11 Feb 2024
- **Bands**:

  `Nadir_Reflectance_Band1`: 620-670 nm

  `Nadir_Reflectance_Band2`: 841-876 nm

  `Nadir_Reflectance_Band3`: 459-479 nm

  `Nadir_Reflectance_Band4`: 545-565 nm

  `Nadir_Reflectance_Band5`: 1230-1250 nm

  `Nadir_Reflectance_Band6`: 1628-1652 nm

  `Nadir_Reflectance_Band7`: 2105-2155 nm
- **Resolution**: 500 meters

In this activity, we explored a MODIS dataset measuring daily ground reflectance via the Google Earth Engine Explorer (GEE Explorer). The dataset encompasses seven bands covering electromagnetic wavelength ranges from 459 nm to 2155 nm, each associated with a bitmask quality flag. It became available on Feb 24, 2000, with the latest data accessible as of Feb 11, 2024.

(a) Map view of my hometown

(b) Satellite view of my hometown

Figure 1: GEE Basemaps of Cagayan de Oro.