Index to grid of Brazil to process remote sensing data
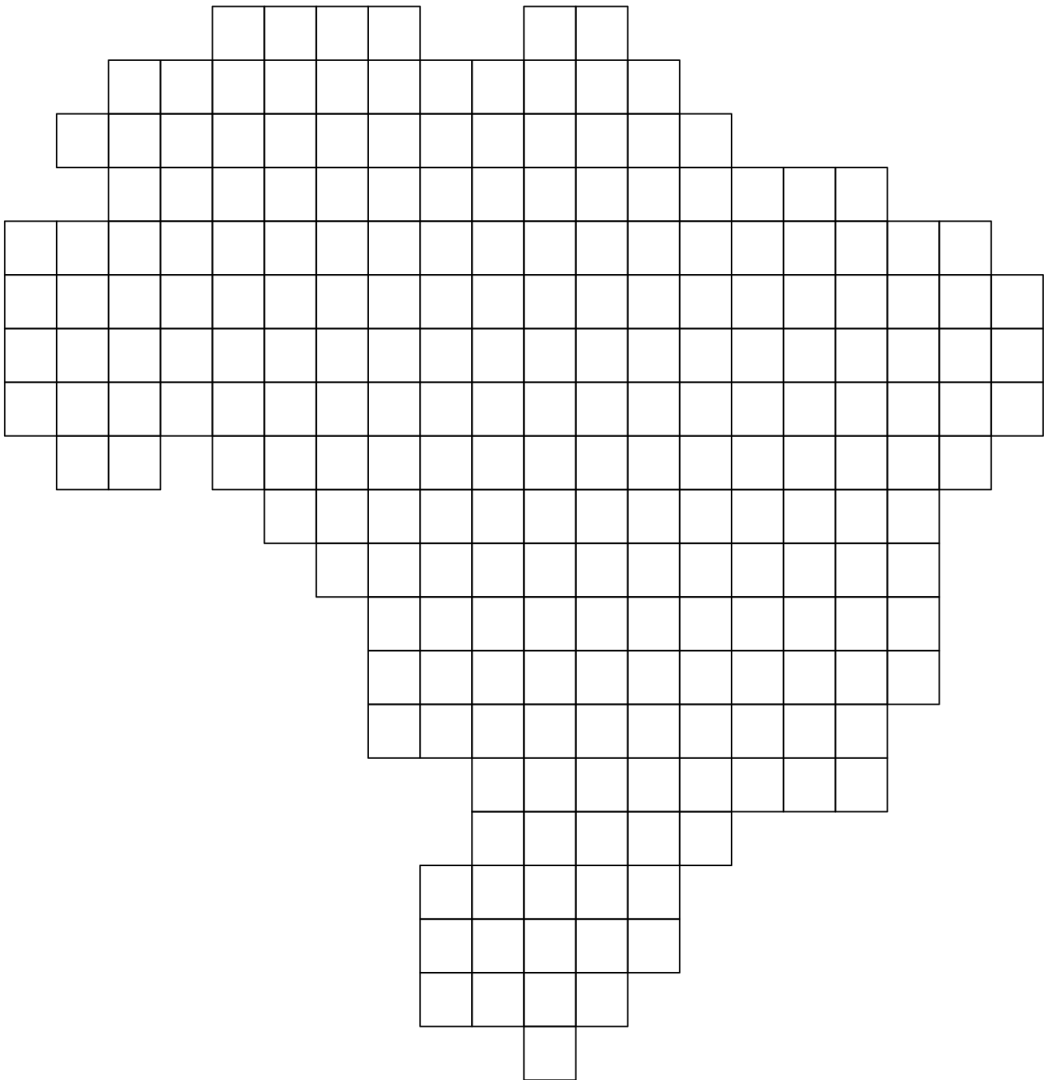
Oliveira-Santos, Claudinei

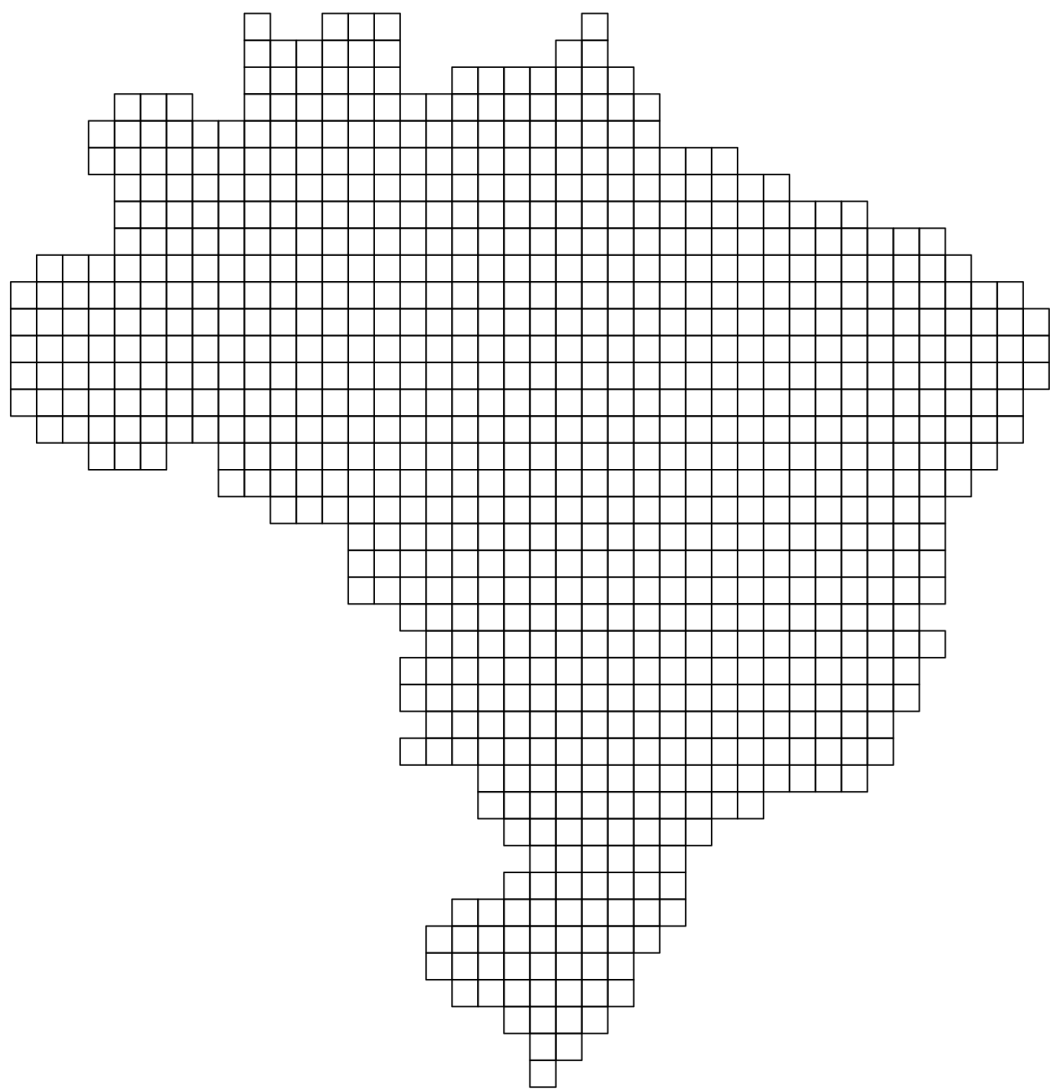*18 de setembro de 2017*

Grid Brasi

Grid do Brasil com diferentes escalas de tiles. O objetivos é facilitar o processamento distribuido de dados de diferentes resoluções.

Grid de 222 km

Numero de tiles = 226

Grid de 111 km

Numero de tiles = 812

Grid de 55 km

Numero de tiles = 3046

```
## class       : SpatialPolygonsDataFrame
## features    : 3046
## extent      : -73.99147, -34.49147, -34.22819, 5.27181  (xmin, xmax, ymin, ymax)
## coord. ref. : +proj=longlat +datum=WGS84 +no_defs +ellps=WGS84 +towgs84=0,0,0
## variables   : 9
## names       : OBJECTID,   ID,     X_MIN,     X_MAX,       Y_MIN,       Y_MAX, Shape_L
eng, Shape_Area, inbrasil
## min values  :     1009, 1008, -34.99147, -34.49147,   0.2718095,   0.2718095,
   2,       0.25,        1
## max values  :      961,  960, -73.99147, -73.49147, -34.2281905, -33.7281905,
   2,       0.25,        1
```

Grid de 11 km

Numero de tiles = 72167

```
## class       : SpatialPolygonsDataFrame
## features    : 72167
## extent      : -73.99147, -34.79147, -33.82819, 5.27181  (xmin, xmax, ymin, ymax)
## coord. ref. : +proj=longlat +datum=WGS84 +no_defs +ellps=WGS84 +towgs84=0,0,0
## variables   : 9
## names       : OBJECTID,      ID,     X_MIN,     X_MAX,        Y_MIN,        Y_MAX, Sha
pe_Leng, Shape_Area, inbrasil
## min values  :   100048, 100047, -34.89147, -34.79147,   0.07180955,   0.07180955,
    0.4,        0.01,        1
## max values  :    99789,  99788, -73.99147, -73.89147, -33.82819045, -33.72819045,
    0.4,        0.01,        1
```