**DESCRIPTIVE FILE**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **File name** | **Storage** | **Geometry** | **EPSG** | **Feature count** | **Size (MB)** |
| useps\_cameta | ESRI Shapefile | Polygon (MultiPolygon) | 31982 | 4154 | 1.13 |
| useps\_santarem | ESRI Shapefile | Polygon (MultiPolygon) | 31981 | 6301 | 4.45 |

**Description:** cellular grids of with the Urban Socio-Environmental Patterns (USEPs) classification for the cities of Santarém and Cametá, PA - Brazil.

**Data source for creating the variables:**

* Subnormal Agglomerations: Instituto Brasileiro de Geografia e Estatística (IBGE, 2020)
* Areas classified as rural, old urban and new urban: Demographic census of 2010 (IBGE, 2011) and Census tract of 2020 (IBGE, 2021).

**Reference**

IBGE. (2011). *Censo Demográfico 2010*. https://biblioteca.ibge.gov.br/visualizacao/periodicos/93/cd\_2010\_caracteristicas\_populacao\_domicilios.pdf

IBGE. (2020). *Aglomerados Subnormais 2019: Classificação preliminar e informações de saúde para o enfrentamento à COVID-19*. https://covid19.ibge.gov.br/.

IBGE. (2021). *Malha de Setores Censitários*. IBGE. https://www.ibge.gov.br/geociencias/organizacao-do-territorio/malhas-territoriais/26565-malhas-de-setores-censitarios-divisoes-intramunicipais.html?=&t=sobre

Table 1 – Variables of the final classification files.

|  |  |  |
| --- | --- | --- |
| **Feature** | **Type** | **Description** |
| ID | Integer64 | Unique identifier of the cell. |
| AGSN | String | If the cell crosses an area classified as ‘Subnormal Agglomeration’. |
| Area | String | If the cell is in a non-analyzed area (cover of shadow and cloud above 40%), if it’s in an occupied area (with built-up area present) or in an unoccupied area (without built-up area present). |
| C\_ENV | Integer64 | Clustering result using the environmental dimension features. |
| C\_URB | Integer64 | Clustering result using the urban dimension features. |
| Name | String | Name of the USEPs. |
| Situation | String | If the cell is in a rural area, old urban area, or new urban area. |
| USEPs | Integer64 | USEPs category and classification result. |