PL MS Data Source

***https://mapy.geoportal.gov.pl/wss/service/ATOM/httpauth/atom/Adresy***

|  |  |
| --- | --- |
| Processed Addresses | **7.875.149** |
| Total MS Addresses | **7.875.149** |

1. DUPLICATED X-Y:

Total geometries with duplicates: **76**

Looking more closely we can find:

|  |  |
| --- | --- |
| Duplicated\_geometry\_Thoroughfare\_Locatordesignator\_Postcode | 3 |

Are duplicated to the locatordesignator (house number) level. This is not Ok, it´s mean that the addresses are indeed duplicated.

|  |  |
| --- | --- |
| Duplicated\_geometry\_Thoroughfare\_Postcode | 22 |

Here we have same position for the address with different locatordesignator. This case is not an error. Analysing a random sample, I found that the points represents buildings with several house numbers.

|  |  |
| --- | --- |
| Duplicated\_geometry\_Thoroughfare | 13 |

These are addresses with different Thoroughfare but share the same coordinates. This is not Ok, the address position should be unique for each Thoroughfare name

|  |  |
| --- | --- |
| Unique\_geometry\_Thoroughfare | 38 |

The remaining addresses after removing the duplicates

1. WRONG COORDINATES (OUTSIDE PL)

|  |  |
| --- | --- |
| X Y Outside PL | 5,920.971 |

These are the Addresses with wrong x y position. They are located outside PL boundaries. Looks that coordinates are flipped

1. WRONG COMPONENT CODE

|  |  |
| --- | --- |
| Component\_Code\_not\_assiciated\_to\_AD | 47.092 |

All the addresses are composed by address component like:

* Postal Code
* Thoroughfare
* Locatordesignator
* Admin Unit
* Address Area

In this case, the GML files refer to an AD component code that do not exist inside the Address, and thus cannot be linked.

1. Admin Units

Levels of Admin units presents in PL AU MS Data Source Vs PL AD MS Data Source

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Level 1** Państwo | **Level 2** Województwo | **Level 3** Powiat | **Level 4** Gmina |
| ***PL AD MS Data Source*** | 1 | 16 | 380 | 2.477 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Level 1**  Państwo | **Level 2** Województwo | **Level 3** Powiat | **Level 4** Gmina |
| ***PL AU MS Data Source*** | 1 | 16 | 380 | 2.477 |

AU Level 2 for PL AD MS Data Source, match 100% with PL AU MS Data Source.

|  |  |
| --- | --- |
| ***PL AD MS Data Source* Mismatch** | 0 |
| ***PL AU MS Data Source Mismatch*** | 0 |

AU Level 3 for PL AD MS Data Source, match 100% with PL AU MS Data Source.

|  |  |
| --- | --- |
| ***PL AD MS Data Source* Mismatch** | 0 |
| ***PL AU MS Data Source Mismatch*** | 0 |

AU Level 4 for PL AD MS Data Source, match 100% with PL AU MS Data Source.

|  |  |
| --- | --- |
| ***PL AD MS Data Source* Mismatch** | 0 |
| ***PL AU MS Data Source Mismatch*** | 0 |

1. EMPTY FIELDS

|  |  |
| --- | --- |
| **Thoroughfare** | 3.100.135 |
| **Locatordesignator** | 0 |
| **Postcode** | 245.091 |

These are the number of Addresses that are incomplete. A good full address should contain all this basic fields.