Version 1.0 20/07/2015

Quality assessment parameters for disaggregated data by JRC using the Global Human Settlement Layer GHSL

The following quality assessment parameters cover primary data production as well as grid data production.

1. CYPRUS

1.1. Production of primary data

[1]	Spatial reference data	Polygon layer of enumeration blocks: 'CY_infra_LAU2_GOVT_only' (3130 units); 16 sliver polygons deleted
[2]	Positional accuracy	Positional accuracy of the spatial reference object in [1], to be indicated in meters.
[3]	Positional source	Enumeration blocks created by NSI Cyprus for census enumeration purposes.
[4]	Comparability	Enumeration blocks definition is comparable throughout all parts of the country under the effective control of the Government of the Republic of Cyprus.
[5]	Logical consistency	Yes
[6]	Bias	
[7]	Accuracy of the figures	
[8]	Coverage of georeferenced data	
[9]	Temporal accuracy of the spatial data	Spatial data created for the purpose of the census
[10]	Temporal coherence	Not applicable
[11]	Quality report(s)	
[12]	Inspire compliant metadata	

1.2. Production of grid data

[1]	Production methods	Disaggregation from enumeration areas using GHSL (Global Human Settlement Layer) and CORINE Land Cover Refined 2006 v. 2 (JRC)
[2]	Accuracy of the figures	Difference between grid data totals (integers) and totals from official statistics: +10 people due to rounding of decimal values

[3]	Temporal accuracy (Timeliness)	Both for 2011
[4]	Geographical coverage	
[5]	Comparability of grid data	Partially comparable: population of five blocks (763) was areal weighted (0.03% of the area), affecting 13 grid cells
[6]	Temporal coherence	High (disaggregation informed by CLC Refined 2006 v.2)
[7]	Confidentiality treatment	None
[8]	Quality report	
[9]	INSPIRE compliant metadata	

2. LUXEMBOURG

2.1. Production of primary data

[1]	Spatial reference data	Polygon layer of LAU2 units, except for the city of Luxembourg (neighbourhoods ("quartiers') of the city): 'LU_LAU2_TS_Q' (129 units)
[2]	Positional accuracy	
[3]	Positional source	LAU2 units: EuroGeographics EuroBoundaryMap; quartiers of the city of Luxembourg: Service du Géomètre de la ville de Luxembourg
[4]	Comparability	More detailed delineation for the "quartiers" of the city of Luxembourg than in the remaining part of the country.
[5]	Logical consistency	Yes
[6]	Bias	
[7]	Accuracy of the figures	
[8]	Coverage of georeferenced data	
[9]	Temporal accuracy of the spatial data	Spatial reference data fit with the census date
[10]	Temporal coherence	Not applicable
[11]	Quality report(s)	
[12]	Inspire compliant metadata	

2.2. Production of grid data

[1]	Production methods	Disaggregation from LAU2 and "quartier" based data, using GHSL (Global Human Settlement Layer) and Copernicus Urban Atlas 2012.
[2]	Accuracy of the figures	Difference between grid data totals (integers) and totals from official statistics: -20 people due to rounding of decimal values

[3]	Temporal accuracy (Timeliness)	Both for 2011
[4]	Geographical coverage	100%
[5]	Comparability of grid data	Fully comparable, unique production method
[6]	Temporal coherence	Very high
[7]	Confidentiality treatment	None
[8]	Quality report	
[9]	INSPIRE compliant metadata	

3. ICELAND

3.1. Production of primary data

[1]	Spatial reference data	Polygon layer of LAU2 administrative areas: 'IS_LAU2' (76 units)
[2]	Positional accuracy	
[3]	Positional source	
[4]	Comparability	
[5]	Logical consistency	
[6]	Bias	
[7]	Accuracy of the figures	
[8]	Coverage of georeferenced data	
[9]	Temporal accuracy of the spatial data	
[10]	Temporal coherence	
[11]	Quality report(s)	
[12]	Inspire compliant metadata	

3.2. Production of grid data

[1]	Production methods	Disaggregated from LAU2 level
[2]	Accuracy of the figures	Difference between grid data totals (integers) and totals from official statistics: -125 people due to rounding of decimal values

[3]	Temporal accuracy (Timeliness)	Both for 2011
[4]	Geographical coverage	100%
[5]	Comparability of grid data	Fully comparable, unique production method
[6]	Temporal coherence	High (disaggregation informed by GHSL and by CLC Refined 2006 v.2)
[7]	Confidentiality treatment	None
[8]	Quality report	
[9]	INSPIRE compliant metadata	

4. BOSNIA AND HERZEGOVINA

4.1. Production of primary data

[1]	Spatial reference data	Polygon layers of settlement areas: 'BA_Brcko_settl_LAEA' (59 units), 'BA_FBiH_settl_LAEA' (3,336 units), 'BA_Srpska_settl_LAEA' (2,746 units)
[2]	Positional accuracy	
[3]	Positional source	
[4]	Comparability	
[5]	Logical consistency	
[6]	Bias	
[7]	Accuracy of the figures	
[8]	Coverage of georeferenced data	
[9]	Temporal accuracy of the spatial data	
[10]	Temporal coherence	
[11]	Quality report(s)	
[12]	Inspire compliant metadata	

4.2. Production of grid data

[1]	Production methods	Disaggregated from settlement polygons (100 %)

[2]	Accuracy of the figures	Difference between grid data totals (integers) and totals from official statistics: -660 people due to rounding of decimal values
[3]	Temporal accuracy (Timeliness)	Both for 2013
[4]	Geographical coverage	100%
[5]	Comparability of grid data	Partially comparable: population of 268 settlements (12,956) was areal weighted, affecting 2,298 grid cells
[6]	Temporal coherence	High (disaggregation informed by CLC Refined 2006 v.2)
[7]	Confidentiality treatment	None
[8]	Quality report	
[9]	INSPIRE compliant metadata	

5. MONTENEGRO

5.1.   Production of primary data

[1]	Spatial reference data	Polygon layer of census tracts: 'ME_enum_LAEA' (3,740 units)
[2]	Positional accuracy	
[3]	Positional source	
[4]	Comparability	
[5]	Logical consistency	
[6]	Bias	
[7]	Accuracy of the figures	
[8]	Coverage of georeferenced data	
[9]	Temporal accuracy of the spatial data	
[10]	Temporal coherence	
[11]	Quality report(s)	
[12]	Inspire compliant metadata	

5.2. Production of grid data

[1]	Production methods	Disaggregated from census tracts' polygons (100 %)
[2]	Accuracy of the figures	Difference between grid data totals (integers) and totals from official statistics: -207 people due to rounding of decimal values
[3]	Temporal accuracy (Timeliness)	Both for 2011
[4]	Geographical coverage	100%
[5]	Comparability of grid data	Partially comparable: population of 193 tracts (8,925) was area weighted, affecting 2,996 grid cells
[6]	Temporal coherence	High (disaggregation informed by CLC Refined 2006 v.2)
[7]	Confidentiality treatment	None
[8]	Quality report	
[9]	INSPIRE compliant metadata	

6. FORMER YUGOSLAV REPUBLIC OF MACEDONIA

6.1. Production of primary data

[1]	Spatial reference data	Polygon layer of municipalities: 'MK_Adm_2_LAEA' (78 units)
[2]	Positional accuracy	
[3]	Positional source	
[4]	Comparability	
[5]	Logical consistency	
[6]	Bias	
[7]	Accuracy of the figures	
[8]	Coverage of georeferenced data	
[9]	Temporal accuracy of the spatial data	
[10]	Temporal coherence	
[11]	Quality report(s)	

[12]	Inspire compliant metadata	

6.2.   Production of grid data

[1]	Production methods	Disaggregated from municipalities' polygons (100 %)
[2]	Accuracy of the figures	Difference between grid data totals (integers) and totals from official statistics: -152 people due to rounding of decimal values
[3]	Temporal accuracy (Timeliness)	Both for 2011
[4]	Geographical coverage	100%
[5]	Comparability of grid data	Fully comparable, unique production method
[6]	Temporal coherence	High (disaggregation informed by CLC Refined 2006 v.2)
[7]	Confidentiality treatment	None
[8]	Quality report	
[9]	INSPIRE compliant metadata	

7.   SERBIA

7.1.   Production of primary data

[1]	Spatial reference data	Polygon layer of settlement areas: 'RS_Settl_LAEA' (4,629 units)
[2]	Positional accuracy	
[3]	Positional source	
[4]	Comparability	
[5]	Logical consistency	
[6]	Bias	
[7]	Accuracy of the figures	
[8]	Coverage of georeferenced data	
[9]	Temporal accuracy of the spatial data	

[10]	Temporal coherence	
[11]	Quality report(s)	
[12]	Inspire compliant metadata	

7.2. Production of grid data

[1]	Production methods	Disaggregated from settlement polygons (100 %)
[2]	Accuracy of the figures	Difference between grid data totals (integers) and totals from official statistics: -1146 people due to rounding of decimal values
[3]	Temporal accuracy (Timeliness)	Both for 2011
[4]	Geographical coverage	100%
[5]	Comparability of grid data	Partially comparable: population of 56 settlements (1819) was areal weighted, affecting 935 grid cells
[6]	Temporal coherence	High (disaggregation informed by CLC Refined 2006 v.2)
[7]	Confidentiality treatment	None
[8]	Quality report	
[9]	INSPIRE compliant metadata	