



**Expert support and technical assistance for the implementation of pilot projects  
extending the CORINE Land Cover (CLC) methodology in the six Eastern Partnership  
countries**

**Task 3 Production and quality control, technical reports**

**DBTA Report (UA)**

v1 (05/2020)

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 **gisat**

space  environment

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# SUMMARY

**Country:** Ukraine  
**Delivery:** Final  
**Received:** 22.5.2020  
**Accepted:** 28.5.2020

This Database Technical Acceptance (DBTA) report summarizes the results of the technical acceptance procedure done for final data of "Pilot projects extending the CORINE Land Cover (CLC) methodology in the six Eastern Partnership countries" for Ukraine according the standard check list as defined in the CLC2018 'Guidelines for delivery'. Technical quality has been checked for all data and metadata provided in the delivery (CLC00, CLC18 and CHA18).

## Summary check list

Country: Ukraine

<b>Delivery contents</b>	<i>Checked</i>	<i>Corrected</i>	<i>Status</i>	<i>Notes</i>
<b>CHA18</b>	•		✓	<i>see details</i>
<b>CLC00</b>	•		✓	<i>see details</i>
<b>CLC18</b>	•		✓	<i>see details</i>
<b>Metadata - Working unit level</b>				<i>see details</i>
<b>Metadata - Country level</b>	•		✓	<i>see details</i>

- check/correction performed
- ✓ data/metadata accepted for integration
- ✗ data/metadata not accepted - request for improvement has been issued to NT

# COORDINATE REFERENCE SYSTEM

Description of Coordinate Reference System (CRS) of the final products:

## National

EPSG code	32635
Datum	WGS 84 / UTM zone 35N
type	geodetic
valid area	Ukraine
Prime meridian	Greenwich
longitude	0°
Ellipsoid	WGS84
semi major axis	6378137 m
inverse flattening	298.257223563
Projection	Universal Transverse Mercator
Latitude of natural origin	0° N
Longitude of natural origin	27° E
false easting	500 000 m
scale factor	0.9996

## European

EPSG code	3035
Datum	ETRS89 (European Terrestrial Reference System 1989)
type	geodetic
valid area	Europe / EUREF
Prime meridian	Greenwich
longitude	0°
Ellipsoid	GRS 80 (New International)
semi major axis	6 378 137 m
inverse flattening	298.257222101
Projection	Geographic (Ellipsoidal Coordinate System)

## Datum shift parameters used

Not applied

# DETAILED DATA CHECK LIST – CHANGE LAYER

<b>Country: Ukraine</b>				
<b>Dataset: CHA18</b>				
<i>Checked item</i>	<i>Checked</i>	<i>Corrected</i>	<i>Status</i>	<i>Notes</i>
<b>A - Formal specification check criteria</b>				
1 - File format	•		✓	
2 - File name convention	•		✓	
3 - Attributes definition	•		✓	
4 - Attributes name convention	•		✓	
5 - Coordinate reference system (CRS)	•		✓	
<b>B - Mapping specification check criteria</b>				
1 - Minimal mapping unit (MMU)	•		✓	
2 - Unique identifier	•		✓	
3 - Valid codes	•		✓	
4 - Mapping area buffer	•		✓	
<b>C - Topology specifications check criteria</b>				
1 - No self-crossing polygons boundary	•		✓	
2 - No overlapping polygons	•		✓	
3 - No neighbouring polygons with the same code	•		✓	
4 - No artificial boundaries in data	•		✓	
5 - No gaps in data	-		-	
6 - No multipart polygons	•		✓	
7 - No polygons with the same code_06 and code_12 values	•		✓	
8 - Cross-layer consistency	•		✓	

- check/correction performed
- ✓ conform with criteria
- ✓ request for clarification or completion
- ✗ not conform with criteria

Notes:

## DETAILED DATA CHECK LIST – CLC2000 LAYER

Country: Ukraine				
Dataset: CLC00				
Checked item	Checked	Corrected	Status	Notes
<b>A - Formal specification check criteria</b>				
1 - File format	•		✓	
2 - File name convention	•		✓	
3 - Attributes definition	•		✓	
4 - Attributes name convention	•		✓	
5 - Coordinate reference system (CRS)	•		✓	
<b>B - Mapping specification check criteria</b>				
1 - Minimal mapping unit (MMU)	•		✓	B1
2 - Unique identifier	•		✓	
3 - Valid codes	•		✓	
4 - Mapping area buffer	•		✓	
<b>C - Topology specifications check criteria</b>				
1 - No self-crossing polygons boundary	•		✓	
2 - No overlapping polygons	•		✓	
3 - No neighbouring polygons with the same code	•		✓	
4 - No artificial boundaries in data	•		✓	
5 - No gaps in data	•		✓	
6 - No multipart polygons	•		✓	

- check/correction performed
- ✓ conform with criteria
- ✓ request for clarification or completion
- ✗ not conform with criteria

Notes:

B1 - There are <25ha polygons present (36 polygons), all of them qualify as border polygons.

## DETAILED DATA CHECK LIST – CLC2018 LAYER

Country: Ukraine				
Dataset: CLC18				
Checked item	Checked	Corrected	Status	Notes
<b>A - Formal specification check criteria</b>				
1 - File format	•		✓	
2 - File name convention	•		✓	
3 - Attributes definition	•		✓	
4 - Attributes name convention	•		✓	
5 - Coordinate reference system (CRS)	•		✓	
<b>B - Mapping specification check criteria</b>				
1 - Minimal mapping unit (MMU)	•		✓	B1
2 - Unique identifier	•		✓	
3 - Valid codes	•		✓	
4 - Mapping area buffer	•		✓	
<b>C - Topology specifications check criteria</b>				
1 - No self-crossing polygons boundary	•		✓	
2 - No overlapping polygons	•		✓	
3 - No neighbouring polygons with the same code	•		✓	
4 - No artificial boundaries in data	•		✓	
5 - No gaps in data	•		✓	
6 - No multipart polygons	•		✓	

- check/correction performed
- ✓ conform with criteria
- ✓ request for clarification or completion
- ✗ not conform with criteria

Notes:

B1 - There are <25ha polygons present (35 polygons), all of them qualify as border polygons.

# DETAILED METADATA CHECK LIST

<b>Country: Ukraine</b>				
<i>Checked item</i>	<i>Checked</i>	<i>Corrected</i>	<i>Status</i>	<i>Notes</i>
<b>M - Metadata specifications check criteria</b>				
<b>1 - Working unit level - Format</b>				M1
<b>2 - Working unit level - Contents</b>				M2
<b>3 - Working unit level - Completeness</b>				M3
<b>4 - Working unit level - Reference file</b>				M4
<b>5 - Country level - Format</b>	•		✓	
<b>6 - Country level - Contents</b>	•		✓	
<b>7 - Country level - Completeness</b>	•		✓	

- check/correction performed
- ✓ conform to criteria
- ✓ request for clarification or completion
- ✗ not conform to criteria

*Notes:*

M1, M2, M3, M4 - Because the pilot area was just a single working unit, the Working unit level metadata was not created.