

CLC Statistics by watershed

Datasets used

- Corine Land Cover 90 European 100 m grid. Version 12/2000
- Watersheds Pan Europe, scale 3 million. Creation date: 10/08/1995. Last update: 25/03/1999.

Units for area

Area values are in hectares (ha). (1 ha = 10000 sq meters)

Procedure followed

- Rasterization of watershed cover (100 m grid).
- Overlay of CLC90 and Watershed grids obtaining the sum of each CLC90 Level 3 class pixels by watershed code (WSCD). Each pixel (100x100m) is equivalent to one hectare.
- Calculation of CLC90 Level 1 and CLC Level 2 classes areas by watershed aggregating results obtained at Level 3.
- Calculation of percentages by watershed, using total watershed area extracted from the original watersheds vector data cover. Carried out for CLC90 levels 1, 2 and 3.

Important remarks

- To make data more clear, watersheds without any kind of data (not covered by CLC) have been deleted. Annex 1 shows the list of all these watersheds.
- Pixels of CLC category 44 (5.2.3 - Sea&oceans) have been ignored since it has no sense to include them in a calculation by watershed.
- Total watershed area has been obtained from vector watershed areas, after subtracting the area occupied by sea pixels (CLC categories 44 and 50).
- NO DATA column gives the watershed area or percentage not covered by CLC.
- The name of watershed M018 was the same as watershed M019, Salso. Correct name of watershed M018 is Simeto instead of Salso.

WARNING: The values given by these statistics should be taken cautiously, since they may contain some degree of error, mainly caused by:

- Geometric differences between both databases.
- Accuracy of vector lowered by rasterization of watershed cover (100m resolution).
- CLC90 database contains information from many different years.

Annex 1: Watersheds not covered at all by CLC90

WSCD	WSNM
A054	
A055	
A056	
A057	JOKULSA A FJOLLUM
A058	
A059	
A060	
A061	PJORSA
A062	
A079	
A080	
A081	
A082	
A083	
A084	
A085	
A086	
A087	
A088	
A089	
B004	DNEPR
B005	DON
B006	KUBAN
B007	
B008	
B010	
B011	
B012	
B013	
C001	ARAKS
C002	TEREK
C003	
C004	VOLGA
C005	URAL
CLAK	
M046	
M047	
M048	
M049	
M050	
M051	
M052	
M053	
M054	
M055	
M056	
M057	
M058	
M059	
M060	
M061	
M062	
M063	
M064	
N034	OTRA
N035	KVENNA
N036	GLAMA
R001	PECHORA
R003	PESHA
R004	IOKANGA
T004	KLARALVEN
T006	
T007	OSTERDAL
T008	LJUSNAN
T009	LJUNGAN
T010	ANGERMANALVEN
T011	JUKTAN

T012	BYSKE
T013	PITE
T014	STORA-LULE
W001	MEZEN
W003	VYCHEGDA
W004	
XCON	