

## **CLC90 STATISTICS BY NUTS 3 REGIONS - CALCULATION PROCEDURE**

### Datasets used

- Corine Land Cover 90 European 100 m grid. Version 12/2000.
- GISCO Nuts 3 regions dataset, scale 1 million, version 7 (*nucec1mv7*).

### Software used

- ESRI ArcGIS 8.1.2.
- ESRI ArcView 3.1.

### Units for area

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

Percentages with respect to total NUTS 3 area have also been calculated.

### Procedure followed

- Creation of a mask of CLC90 showing data and nodata zones.
- Selection and extraction of NUTS 3 regions with CLC90 data, by means of the mask created.
- Rasterization of NUTS 3 regions cover (100 m resolution).
- Overlay of CLC90 and NUTS 3 grids obtaining the sum of each CLC90 Level 3 class pixels by NUTS 3. Each pixel (100x100m) is equivalent to one hectare.
- Calculation of CLC90 Level 1 and CLC Level 2 classes areas by NUTS 3.
- Calculation of percentages by NUTS 3, using total NUTS 3 area extracted from the vector data cover. Done for CLC90 levels 1, 2 and 3.

### Important remarks

- To make data more clear, NUTS 3 regions without any kind of data (not covered by CLC) do not appear. Annex 1 shows a list of all these regions.
- CLC category 44 (Sea&oceans) has been aggregated to CLC category 50 (No data Sea&oceans), and considered as NODATA, together with CLC category 49 (No data terrestrial).
- NO DATA column means NUTS 3 region area not covered by CLC, mainly due to fitting problems. It can give an idea of the error due to geometric reasons (see warning).

**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 nuts0 cover (100m resolution).
- CLC90 database contains information from many different years.

Annex 1: Codes from NUTS 3 regions not covered at all by CLC90 Version 12/2000

ATLAK	CH07	NO022	SE044
CH011	CHLAK	NO031	SE061
CH012	DELAK	NO032	SE062
CH013	DKLAK	NO033	SE063
CH021	EELAK	NO034	SE071
CH022	EUCON	NO041	SE072
CH023	EULAK	NO042	SE081
CH024	FILAK	NO043	SE082
CH025	FR91	NO051	SE091
CH031	FR92	NO052	SE092
CH032	FR93	NO053	SE093
CH033	FR94	NO061	SE094
CH04	FRLAK	NO062	SE0A1
CH051	GR411	NO071	SE0A2
CH052	GR412	NO072	SELAKE
CH053	GR413	NO073	UKLAK
CH054	GR421	NOLAK	
CH055	GR422	PT2	
CH056	GRLAK	PT3	
CH057	HULAK	SE011	
CH061	IS	SE021	
CH062	LI	SE022	
CH063	NLLAK	SE023	
CH064	NO011	SE024	
CH065	NO012	SE025	
CH066	NO021	SE041	