# CLC90 STATISTICS BY BIOGEOGRAPHIC REGIONS - CALCULATION PROCEDURE

## Datasets used

- Corine Land Cover 90 European 100 m grid. Version 12/2000.
- NATLAN Biogeographic Regions, version 2001.

## 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 Biogeographic Region area, and Biogeographic Region area with data, have also been calculated.

## Procedure followed

- Rasterization of Biogeographic Regions cover (100 m resolution).
- Overlay of CLC90 and Biogeographic Regions grids obtaining the sum of each CLC90 Level 3 class pixels by Biogeographic Region. Each pixel (100x100m) is equivalent to one hectare.
- Calculation of CLC90 Level 1 and CLC90 Level 2 classes areas by Biogeographic Region.
- Calculation of percentages by Biogeographic Region, using total Biogeographic Region area. Done for CLC90 levels 1, 2 and 3.
- Calculation of percentages by Biogeographic Region, using total Biogeographic Region area with valid data (excluding the NODATA area). Done for CLC90 levels 1, 2 and 3.

## Important remarks

- To make data more clear, Biogeographic Regions without any kind of data (not covered by CLC) do not appear. Annex 1 shows a list of 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 Biogeographic Regions 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 Biogeographic Regions cover (100m resolution).
- CLC90 database contains information from many different years.

Annex 1: Biogeographic Regions not covered at all by CLC90 Version 12/2000

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|---|
| **Anatolian** |
| **Arctic** |