European Environment Agency

Manual for the European Environment Agency's Land accounts data viewer 1990, 2000, 2006

This manual provides details on the scope, content and features of the European Environment Agency's Land accounts data viewer 1990, 2000, 2006.

The key focus of land cover accounts is the understanding of the way in which the stocks of different land covers change over time. This viewer is a user-friendly tool which allows visualising and downloading land cover statistics derived from land accounts applied methodology.
For more information about land accounts, see: Land accounts for Europe 1990-2000

November 2013 update: availability of Corine Land Cover 90 figures for United Kingdom.

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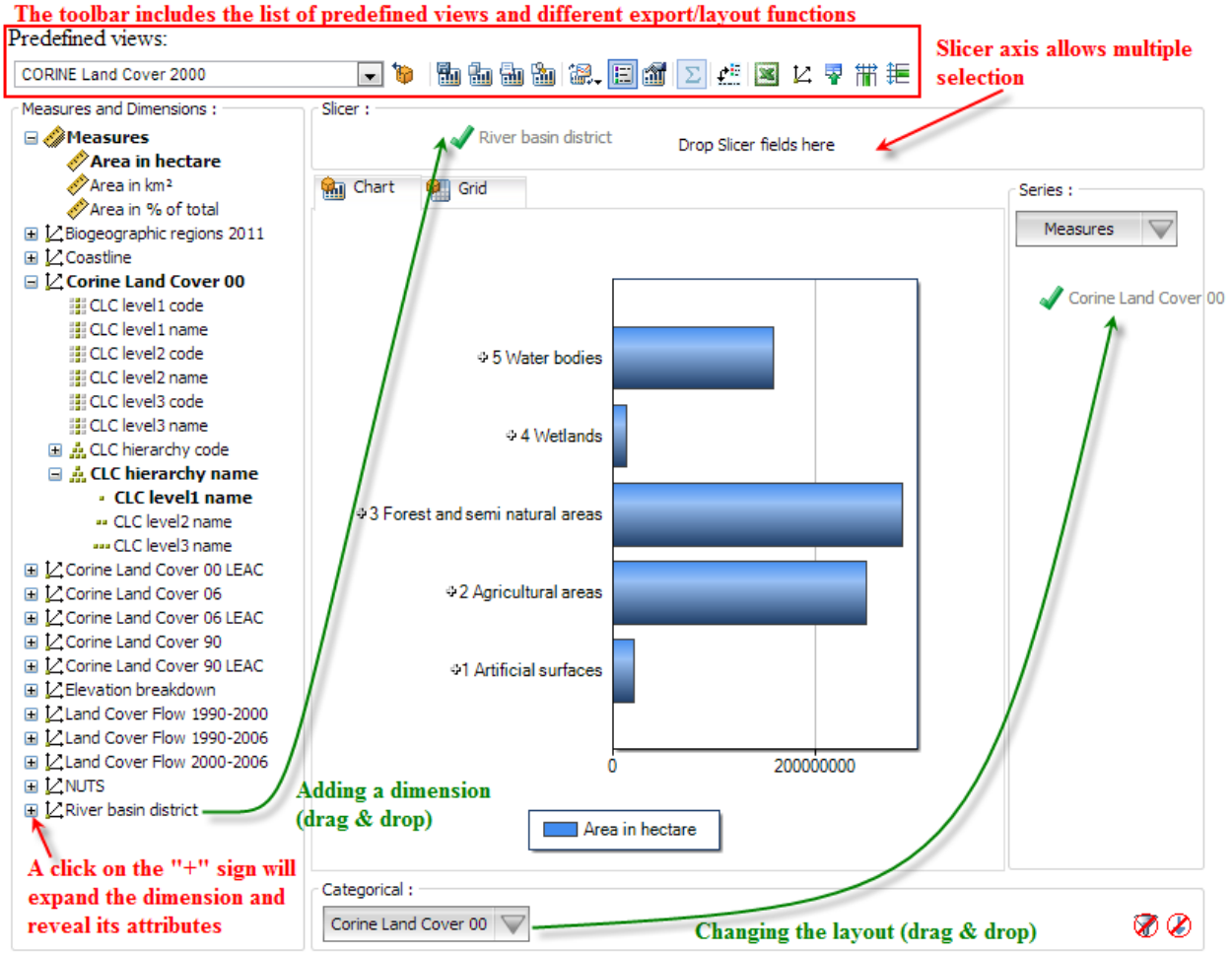
1 General data viewer navigation

The diagram below represents some main elements and functionalities of the data viewer.



- **Predefined views:**

The “Predefined views” drop down menu allows switching between defaults predefined views.

- **Dimensions:**

The data viewer counts fifteen distinct dimensions:
“Measures”, “Biogeographic regions 2011”, “Coastline”, “City”, “Corine Land Cover 00”, “Corine Land Cover 00 LEAC”, “Corine Land Cover 06”, “Corine Land Cover 06 LEAC”, “Corine Land Cover 90”, “Corine Land Cover 90 LEAC”, “Elevation Breakdown”, “Land Cover Flow 1990-2000”, “Land Cover Flow 1990-2006”, “Land Cover Flow 2000-2006”, “NUTS” and “River basin district”. Each dimension can be arranged, added or removed within each axis (drag & drop).

- **Dimension attribute:**

Each dimension has at least one attribute. From the figure above, the dimension “Corine Land Cover 00” counts six attributes and two attributes hierarchies. As for dimensions, attributes and hierarchies benefit of the “drag & drop” behavior.

Axis: three distinct axis “Slicer”, “Series” and “Categorical”.
Remark: the “Slicer” axis allows multiple member selection, and therefore offers many possibilities in terms of aggregation.

Example: the screen shot below can be read: “Total area of artificial surfaces for France, Germany, Spain, Sweden and Turkey represents 84 485 km²”.

- **Chart/Grid tabs:** the “Chart/Grid” tabs allow easy switch between chart view and grid view.

2 Scope of the viewer

2.1 Corine Land Cover 90, Corine Land Cover 00, Corine Land Cover 06

These three dimensions show hierarchical classification of Corine Land Cover classes (Land accounts for Europe 1990-2000 (Appendix 1.A)).

Data source:
a) Corine Land Cover 2006
Title: Corine Land Cover 2006 raster data - version 16 (04/2012)
Brief abstract: 100 meters resolution raster data on land cover for the CLC2006 inventory.
Data set URL: http://www.eea.europa.eu/data-and-maps/data/corine-land-cover-2006-raster-2

b) Corine Land Cover 2000
Title: Corine Land Cover 2000 - 2006 changes - version 16 (04/2012)
Brief abstract: 100m resolution raster data about changes between the CLC2000 inventory and the CLC2006 inventory.
Data set URL: http://www.eea.europa.eu/data-and-maps/data/corine-land-cover.
Remark: CLC2000 figures were generated by using CLC2006 inventory (see a)) and applying the identified changes between CLC2000 and CLC2006 inventories.

c) Corine Land Cover 1990
Title: Corine Land Cover 1990 - 2000 changes - version 16 (04/2012)
Brief abstract: 100m resolution raster data about changes between the CLC1990 inventory and the CLC2000 inventory.
Data set URL: http://www.eea.europa.eu/data-and-maps/data/corine-land-cover-1.
Remark: CLC1990 figures were generated by using CLC2000 figures (see b)) and applying the identified changes between CLC1990 and CLC2000 inventories.

2.2 Corine Land Cover 90 LEAC, Corine Land Cover 00 LEAC, Corine Land Cover 06 LEAC

These three dimensions show an aggregation of Corine Land Cover classes as defined for the land accounts methodology (Land accounts for Europe 1990-2000 (Appendix 1.B)).

2.3 Land Cover Flow 1990-2000, Land Cover Flow 1990-2006, Land Cover Flow 2000-2006

Land cover accounts summarize and interpret the 44x43 possible one-to-one changes between Corine Land Cover classes from one inventory to another. The changes are grouped to so-called flow of land cover and are classified according to major land use processes (Land accounts for Europe 1990-2000 (Appendix 2)). These three dimensions show a classification of the changes that occurred between two inventories.

2.4 Biogeographic regions 2011

The dimension allows data visualisation by biogeographic regions.

Data source:
Title: Biogeographical regions, Europe 2011 - Rev. 1
Brief abstract: Biogeographic regions dataset contains the official delineations used in the Habitats Directive (92/43/EEC) and for the EMERALD Network set up under the Convention on the Conservation of European Wildlife and Natural Habitats (Bern Convention).
Data set URL: http://www.eea.europa.eu/data-and-maps/data/biogeographical-regions-europe-1

2.5 Coastline

The coastline dimension allows data visualisation for coastline area. This dimension shows three distinct area depending on the distance to the coast: “0 - 1000 meters distance from the SEA/LAND border”, “1000 - 10000 meters distance from the SEA/LAND border” and the total of these two “0 - 10000 meters distance from the SEA/LAND border”. The coastline area has been generated by using Corine Land Cover 2000 (see 2.1 b)) as input data.

2.7 Elevation Breakdown

The dimension allows data visualisation by relief typologies.

Data source:
Title: Elevation breakdown
Brief abstract: The Elevation breakdown is used to allocate Land cover changes into homogeneous areas as function of height, slope and distance to the sea. It defines five relief typologies: Low coasts, high coasts, inlands, uplands and mountains.
Data set URL: http://www.eea.europa.eu/data-and-maps/data/elevation-breakdown

2.8 NUTS

This dimension allows data visualisation by administrative units. The dimension proposes a hierarchical classification of the units varying from NUTS0 (country level) to NUTS3 (province level).

The data source is EuroBoundaryMap (version 5) from EuroGeographics (URL: http://www.eurogeographics.org/products-and-services/euroboundarymap).

2.9 River basin district

This dimension allows data visualisation by river basin district subunits.

Data source:
Title: WISE River basin districts (RBDs) - version 1.4 (06/2011)
Brief abstract: River Basin Districts (RBDs) and their subunits (RBDSUs) are the main units for the management of river basins and have been delineated by Member States under Article 3 and updated by reporting to Article 13 of the Water Framework Directive.
Data set URL: http://www.eea.europa.eu/data-and-maps/data/wise-river-basin-districts-rbds-1

2.10 Measures

Three distinct measures are available from the data viewer.

- **"Area in hectare" and "Area in km²":** land cover areas can be visualised in these two distinct units.
- **"Area in % of total":** this statistic show the percentage share of each cells within the column's total.