

Land cover flows 2012-2018 - version 1.0, Mar. 2020

The raster dataset describes land cover flows between 2012-2018. Land Cover Flows summarize and interpret the 44x43=1892 possible one-to-one changes between the 44 CORINE land cover classes. The changes are grouped to so called flows of land cover and are classified according to major land use processes. The nomenclature of flows is organized on 3 hierarchical levels. See lineage on the nomenclature.

The classification of land cover flows results from the feasibility studies and subsequent revisions after discussion with experts in agri-environment and forestry. Basically, the classification of land cover flows distinguishes change between broad land cover classes and changes internal to these classes. Analysis of land cover flows supplies a rapid vision of land use change processes taking place and they shed light on the drivers of various land use change processes such as e.g. urbanization.

The geographic coverage of the dataset is EEA39 region.

Simple

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Date (Publication)	2020-03-12		
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GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> • Land cover • Land use 		
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GEMET	<ul style="list-style-type: none"> • land cover • land use • accounting 		
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> • EEA39 		

Spatial scope	<ul style="list-style-type: none"> • European
EEA Management Plan	<ul style="list-style-type: none"> • 2020 1.8.2
EEA topics	<ul style="list-style-type: none"> • Land use
Access constraints	Other restrictions
Other constraints	no limitations to public access
Use constraints	Other restrictions
Other constraints	EEA standard re-use policy: unless otherwise indicated, re-use of content on the EEA website for commercial or non-commercial purposes is permitted free of charge, provided that the source is acknowledged (http://www.eea.europa.eu/legal/copyright). Copyright holder: European Environment Agency (EEA).
Aggregate Datasetidentifier	c7f0d613-2ec6-43c7-870b-6062652548f1
Association Type	Cross reference
Aggregate Datasetidentifier	76f83b84-39da-4628-b71a-a5c289603df8
Association Type	Cross reference
Aggregate Datasetidentifier	835d25e0-b9dc-4fb9-a8b6-f9e5336fa357
Association Type	Cross reference
Spatial representation type	Grid
Distance	100 m
Language of dataset	English
Topic category	<ul style="list-style-type: none"> • Environment



Begin date	2012-01-01
End date	2018-12-31
CRS identifier	EPSG:3035
Distribution format	<ul style="list-style-type: none"> • GeoTIFF ()

OnLine resource

No information provided.

Hierarchy level	Dataset
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Conformance result

Date (Publication)	2010-12-08
Explanation	See the referenced specification

Statement	<p>Land cover flows (LCF) are representing certain groups of processes of changing land cover and land use of the earth surface. For pan-European applications land cover flows are defined on the basis of Corine Land Cover (CLC) change data, consequently certain land cover flows are defined as groups of CLC change types.</p> <p>Link to land cover flows: https://www.eea.europa.eu/data-and-maps/data/land-cover-flows-based-on-corine-land-cover-changes-database-1990-2000-1/dataservice-sharedfiles-downloads-rad4e5ec-english_v2-download-landcoverflows_060701.pdf</p> <p>In practical realization, pan-European raster LCF layers were created on the basis of CLC accounting change layers in 100m raster resolution.</p> <p>CLC accounting layers</p>
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Due to the technical characteristics of CLC & CLC change data, the evolution in CLC update methodology and in quality of input data, time-series statistics derived directly from historical CLC data includes several inconsistencies. In order to create a statistically solid basis for CLC-based time series analysis, a harmonization methodology was elaborated, resulting the time series of CLC accounting status layers for the reference years 2000, 2006, 2012 and 2018. More information about CLC accounting: <https://www.eea.europa.eu/data-and-maps/data/corine-land-cover-accounting-layers>

CLC accounting change layers

Original CLC-change data represent changes between two neighbouring reference date corresponding update cycles (i.e. 2000-2006, 2006-2012, 2012-2018). CLC accounting change layers were created with the combination of CLC accounting layers, this way CLC change information may be derived for all possible combination of reference dates.

LCF raster layers

LCF raster layers are created on the top of CLC accounting change layers. Cell values of each LCF raster layer correspond to CLC-change types coded in 6 digits (e.g. 211112, representing the conversion of Arable land (211) to Discontinuous urban fabric (112). LCF information is linked to CLC change types and stored in the raster attribute table.

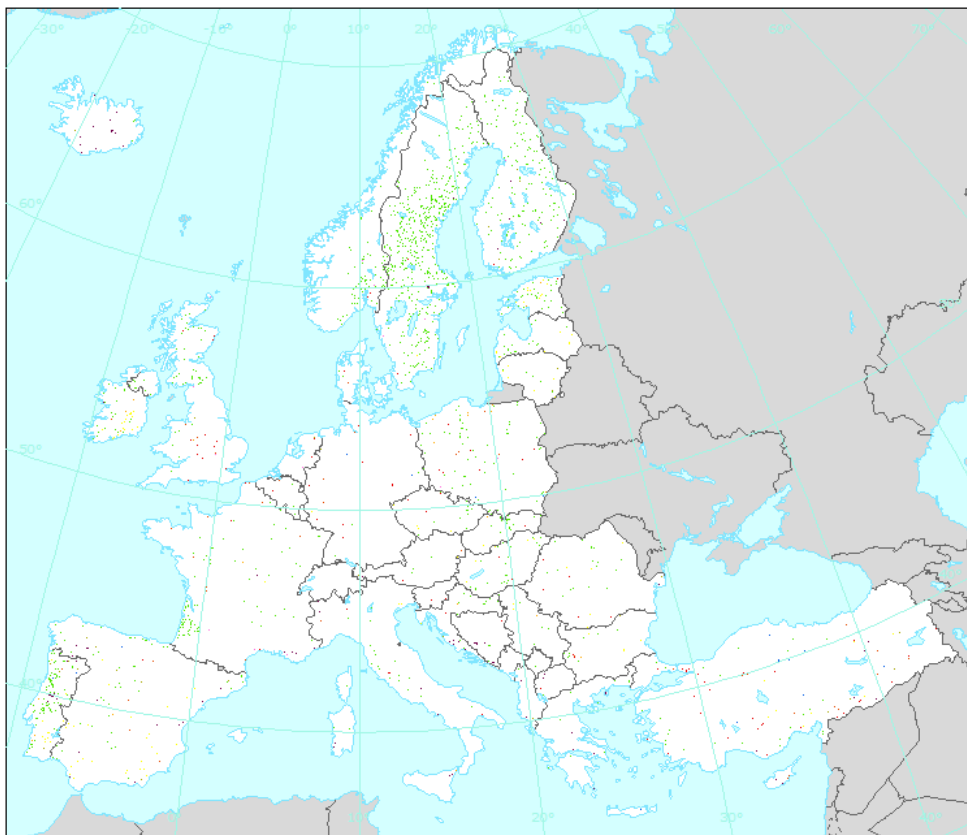
Source

- [Corine Land Cover 2018 \(raster 100m\) version 20 accounting layer Jun. 2019](#)
- [Corine Land Cover 2012 \(raster 100m\) version 20 accounting layer Jun. 2019](#)

Metadata

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Overviews



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