

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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Point of contact	<table border="1"> <thead> <tr> <th>Organisation name</th> <th>Individual name</th> <th>Electronic mail address</th> <th>Website</th> <th>Role</th> </tr> </thead> <tbody> <tr> <td>European Environment Agency</td> <td></td> <td>sdi@eea.europa.eu</td> <td>http://www.eea.europa.eu</td> <td>Point of contact</td> </tr> <tr> <td>European Environment Agency</td> <td></td> <td>sdi@eea.europa.eu</td> <td></td> <td>Custodian</td> </tr> </tbody> </table>	Organisation name	Individual name	Electronic mail address	Website	Role	European Environment Agency		sdi@eea.europa.eu	http://www.eea.europa.eu	Point of contact	European Environment Agency		sdi@eea.europa.eu		Custodian		
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Spatial scope	<ul style="list-style-type: none"> • European 																	
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EEA Management Plan	<ul style="list-style-type: none"> • Land use 																	
EEA topics	Other restrictions																	

Access constraints	no limitations to public access
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Other constraints	
Aggregate Datasetidentifier	c7f0d613-2ec6-43c7-870b-6062652548f1
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Aggregate Datasetidentifier	76f83b84-39da-4628-b71a-a5c289603df8
Association Type	Cross reference
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Association Type	Cross reference
Spatial representation type	Grid
Distance	100 100 m
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Begin date	2012-01-01		
End date	2018-12-31		
Coordinate reference system identifier	EPSG:3035		
Distribution format	<ul style="list-style-type: none"> • GeoTIFF () 		
OnLine resource	Protocol	Linkage	Name
	EEA:FILEPATH	https://sdi.eea.europa.eu/webdav/datastore/public/eea_r_3035_100_m_lcf-2012-2018_p_2012-2018_v01_r00/lcf_12_18.tif	
	WWW:URL	https://sdi.eea.europa.eu/data/6da47390-b00c-4cb8-b5cc-df46f2c60260	Direct download
	ESRI:REST	https://land.discomap.eea.europa.eu/arcgis/rest/services/LCFs/LandCoverFlows_2012_2018_v2020/ImageServer	
	OGC:WMS	https://land.discomap.eea.europa.eu/arcgis/services/LCFs/LandCoverFlows_2012_2018_v2020/ImageServer/WMSServer?request=GetCapabilities&service=WMS	
Hierarchy level	Dataset		

Conformance result

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

Statement	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.
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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

In practical realization, pan-European raster LCF layers were created on the basis of CLC accounting change layers in 100m raster resolution.

CLC accounting layers

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

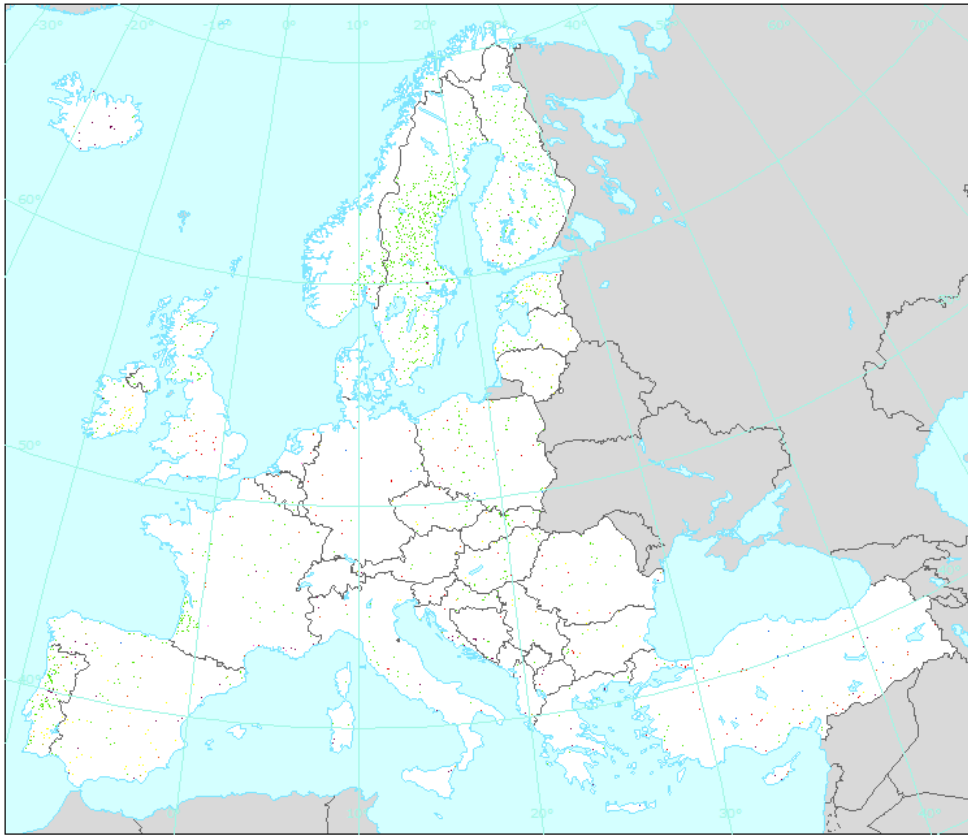
LCF raster layers are created on the top of CLC accounting change layers. Cell values of each LCF raster layer correspond to CLC-change types coded in 6 digits (e.g. 211112, representing the conversion of Arable land (211) to Discontinuous urban fabric (112)). LCF information is linked to CLC change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

Source	•
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Metadata

File identifier	6da47390-b00c-4cb8-b5cc-df46f2c60260 XML		
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Overviews



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