EEA geospatial data catalogue

Cropland intensification by CORINE Land Cover changes 2006-2012, Nov. 2016

The dataset represents a pressure trend indicator as measure of intensification of agroecosystems. The trend indicator is the share of cropland area affected by internal Land Cover flows between CORINE 2006 and 2012, presented at NUTS3 level. Those changes were used to identify the internal flows related to more intense use, mainly linked to the increase in resource and machinery use. The internal flows related to intensification were defined based on an expert consultation done in the context of the ETC/ULS actions.

Simple

Identification info

Date (Creation)	2016-11-30
Citation identifier	eea_v_3035_1_mio_crop-intens-lcf_p_2006-2012_v01_r00

Point of contact

Organisation	Individual	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

Spatial representation type	Vector

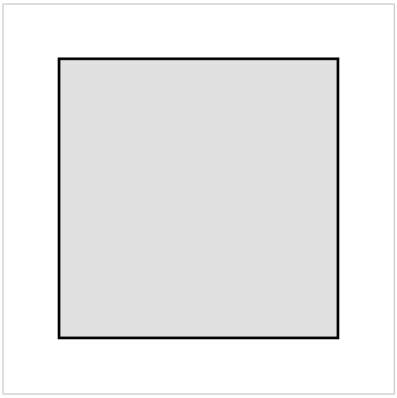
Spatial resolution

Equivalent scale

Denominator	1000000
Topic category	• Environment

Extent

72.00	N	32.25	S	45.70	E	-26.00	W



Extent

Temporal extent

Time period	2006-01-01T00:00:00 2012-12-31T00:00:00
Maintenance and update frequency	Not planned
GEMET - INSPIRE themes, version 1.0	• Land cover • Land use • Statistical units
GEMET	• pressure • agricultural land • nutrient • land use • land cover • grassland
Continents, countries, sea regions of the world.	• EEA39
Spatial scope	• European
EEA topics	• Agriculture and food system • Land use

Resource constraints

Use constraints	Other restrictions
Other constraints	License CC-BY 4.0 (https://creativecommons.org/licenses/by/4.0/). Copyright holder: European Environment Agency (EEA).

Resource constraints

Access constraints	Other restrictions
Other constraints	no limitations to public access
Language	English
Character encoding	UTF8

Distribution Information

Distribution format	• SHP
OnLine resource	https://sdi.eea.europa.eu/webdav/datastore/public/eea_v_3035_1_mio_crop-intens-lcf_p_2006-2012_v01_r00
OnLine resource	Direct download
OnLine resource	https://land.discomap.eea.europa.eu/arcgis/rest/services/Agriculture/Cropland_intensification_LCF_2006_2012/MapServer
OnLine resource	0 Percentage of croplands per administrative unit under intensification from management practices.

Data quality info

Hierarchy level	Dataset

Report

Result

Title	Commission Regulation (EU) No 1089/2010 of 23 November 2010 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards interoperability of spatial data sets and services
Date (Publication)	2010-12-08
Explanation	See the referenced specification

Resource lineage

Statement	Land cover changes between the 2 most recent Corine Land Cover layers (2006, 2012) were used to identify the internal flows related to more intense use. The internal flows (LCF) related to intensification are defined based on an expert consultation done in the context of the ETC-ULS*. Those represent land cover changes that are linked to increase in resource and machinery use. Under this point, the LCF selected were: - lcf421: Conversion from arable land to permanent irrigation perimeters: Extension of permanent irrigation (incl. rice fields) over arable land - lcf441: Conversion from permanent crops to permanent irrigation perimeters: Conversion from permanent crops (incl. when associated with arable land - CLC 241) to permanent (large) irrigation perimeters and rice fields - lcf451: Conversion from arable land to vineyards and orchards: Plantation of vineyards, orchards on arable land. - lcf452: Conversion from arable land to olive groves: Plantation of olive groves on arable land. - lcf453: Diffuse conversion from arable land to permanent crops: Conversion from uniform arable land to associations of permanent crops and annual crops (CLC241). - lcf463: Diffuse conversion from pasture to arable and permanent crops: Conversion from complex cultivation patterns including pasture (CLC242) to uniform arable land and permanent crops as well as to associations of the last two (CLC241) and conversion of uniform pasture (CLC231) to complex cultivation patterns. An intensification raster was created using the CLC change layer and a lookup table for the related land cover changes. On the other side, a cropland layer was created as reference area for the calculation of the share of changes on the respective land cover type. The shares are calculated after summarizing at NUTS3 (NUTS2 for Germany) level, leading to the percentage of LCF change per specific land cover type. * https://forum.eionet.europa.eu/etc-urban-land-and-soil-systems/library/action-plan-2016/1.8.2.2-land-resource-efficiency/deliverables/
Hierarchy level	Dataset

Reference System Information

Reference System Information

Code	EPSG:3035

Metadata

Metadata identifier	19ab220c-bcef-41b3-96a9-4ae820f951dc
Language	English
Character encoding	UTF8
Contact	**Organisation** / **Individual** / **Electronic mail address** / **Website** / **Role** European Environment Agency / / sdi@eea.europa.eu / / Point of contact

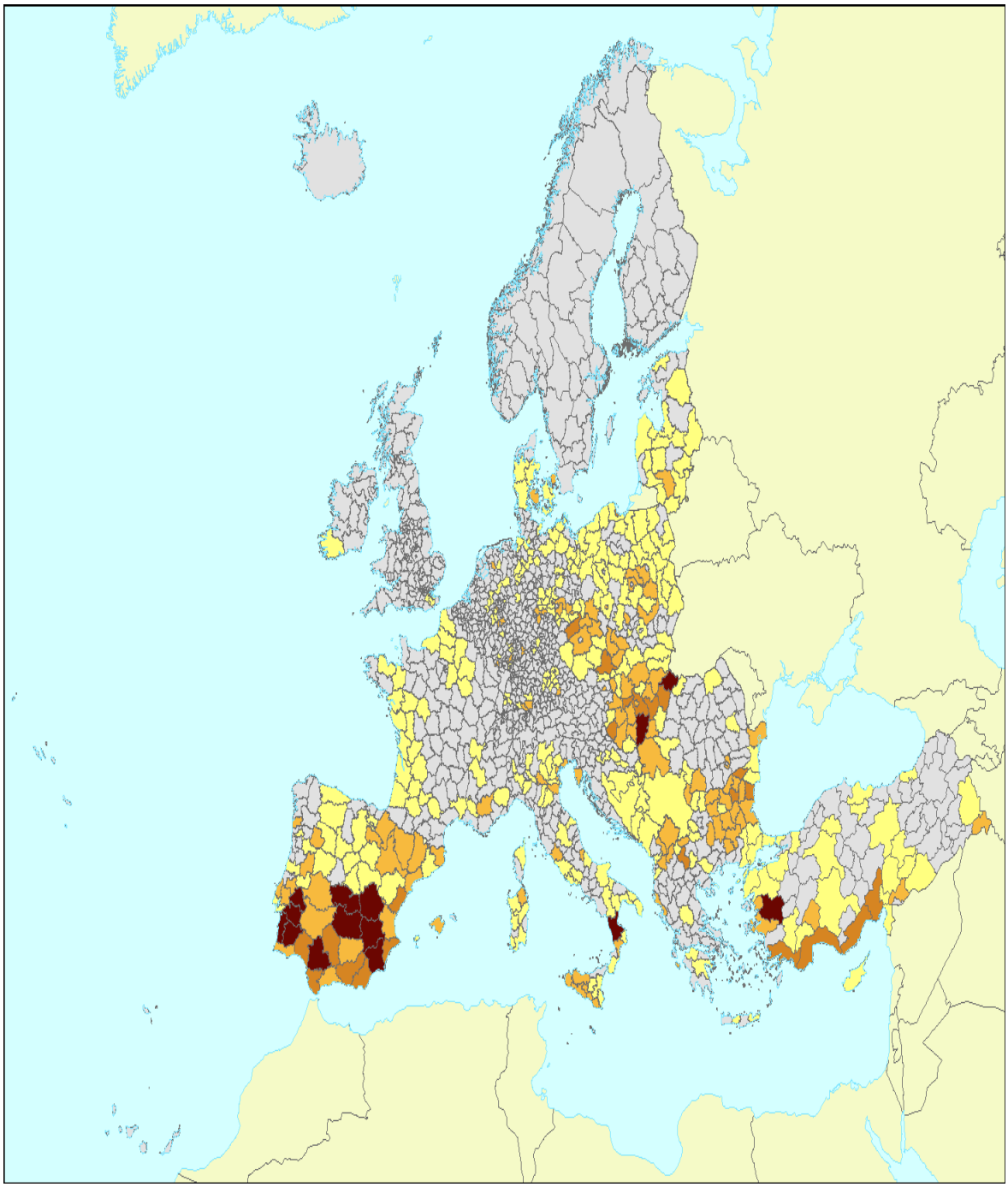
Type of resource

Resource type	Dataset
Metadata linkage	https://sdi.eea.europa.eu/catalogue/srv/api/records/19ab220c-bcef-41b3-96a9-4ae820f951dc?language=all
Date info (Creation)	2018-06-06T15:30:20Z
Date info (Revision)	2025-10-09T10:38:45.314557Z

Metadata standard

Title	ISO 19115/19139
Edition	1.0

Overviews



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