

JRC Dataset

Forest edges

Description:

Forest boundaries are the forest edges (periphery 100m width) of patches when patches are wide enough to contain an interior area. They likely contain edge habitat, that are influenced by the adjacent non-forest lands and that in turn have effects on interior habitat. The proportion of forest in edges (100m width) is reported for the year 2006 per landscape units of 25 km by 25 km, per provinces (NUTS2/3) and per country (NUTS 0). The proportion of forest edges which are along natural habitats tells about the predominance –or not- of natural landscape context at forest edges. The pre-dominance of agricultural or artificial lands at forest edges (low index value) points at anthropogenic fragmentation causes. Indicator 1: Forest edges Indicator 2: Forest edges along natural lands

Keywords:

CHM, Europe, Land cover, RDSI, biodiversity, scientific research

Related resources:

Data access

Map viewer

Map Viewer

<http://fise.jrc.ec.europa.eu/data/efdac/viewer/>

Additional information:

Last Modified: 2006-12-12

Issue date: 2006-12-12

Landing page: <http://forest.jrc.ec.europa.eu/activities/forest-pattern-fragmentation>

Temporal coverage: From: 2006-01-01 – To: 2006-12-31

Language: English

Data theme(s): Environment

EuroVoc domain(s): 52 ENVIRONMENT; 64 PRODUCTION, TECHNOLOGY AND RESEARCH

EuroVoc concept(s): biodiversity; scientific research

Identifier: <http://data.europa.eu/89h/afecb3c0-b1ad-4e47-baa7-7d6a238c971f>

Geographic information:

Lineage: Measures are presented in Estreguil et al, 2012. They belong to a family set of morphological indices, which is derived from the Morphological Spatial Pattern Application (MSPA) of the GUIDOS software (Soille and Vogt, 2009) and a family set referred as Interface. Ref: Estreguil, C., de Rigo, D. and Caudullo, G. (submitted). Towards a standardised characterisation of habitat pattern. Environmental Modelling & Software. Estreguil, C., Caudullo, G., de Rigo, D., Whitmore C., San-Miguel-Ayanz Jesus. (2012). Reporting on European forest fragmentation: Standardised indices and web map services. Earthzine's Forest Resource Information theme in second quarter 2012. <http://www.earthzine.org/themes-page/forest-resource-information/> Soille, P. and Vogt, P. (2009). Morphological segmentation of binary patterns. Patterns Recognition Letters, vol. 30, no. 4, pp. 456–459. DOI: 10.1016/j.patrec.2008.10.015

Geographic bounding box: 70.09° N, 34.59° E, 34.56° S, -10.58° W