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Published datasets from Portugal and Spain, Iberian datasets



INPUT DATA

Inventories and Forest Cartographies in CROSSFOREST

<u>IFN3</u> (Third National Forest Inventory). Spain<u>IFN6</u> (Sixth National Forest Inventory). Portugal<u>IFI</u> (Iberian Forest Inventory). Spain and Portugal

MFE50 (Spanish Forest Map, 1:50.000)COS2018 (Land Occupation Cartography). PortugalILU (Iberian Land Use). Spain and Portugal

INES (National Soil Erosion Inventory, NSEI). Spain

Iberian Forest Fires Statistics. Spain and Portugal



Published in a Linked Open Data format (LOD)



NATIONAL FOREST INVENTORY (NFI) INVENTARIO FORESTAL ESPAÑOL (IFN)

Basic information to elaborate forests statistics

3 inventories have been completed (since 1965), NFI4 ongoing project (since 2008).

Legal basis

Forest Law, article 28

Main characteristics

National

Decennial

Province level

Plots repitition (since IFN2)

Wooded areas

NATIONAL FOREST INVENTORY (NFI). SPAIN

NFI (SPAIN) IN FIGURES

- ✓ More than 50 years reporting state of the forests
- ✓ 90.000 permanent plots in all the territory
- √ 1,3 millions trees measured
- √ 7.500 millions os standing trees, 1.100 millions m³









INPUT DATA: NATIONAL FOREST INVENTORY (NFI). SPAIN

Inventario	Años	Estratificación	Método de Muestreo	Tipo de Parcela	Número de Parcelas
IFN1	1965 1974	Malla sobre Fotografias aéreas	Afijación Optima de Parcelas	Temporal	65.000
IFN2	1986 1995	Malla sobre Mapas	Malla sistemática 1×1 km.	Permanente	84.203
IFN3	1997 2007	Malla sobre Mapa Digital	Misma Malla que IFN2	Permanente	95.327
IFN4	2008 20	Malla sobre Mapa Digital	Misma Malla que IFN3	Permanente	A determinar









IFN3 DOWNLOADED FROM MITECO WEB

CURRENT FORMAT:

100 Access files (2 x province)

DATA INCLUDED in CROSSFOREST:

Data from IFN3: field and processed data









NATIONAL FOREST INVENTORY (NFI) INVENTÁRIO FLORESTAL NATIONAL (IFN)

Abundance, state and condition of Natinal forest resources 6 inventories have been completed (since 1965).

Responsible Entity

ICNF – Instituto da Conservação da Natureza e das Florestas.

Main characteristics

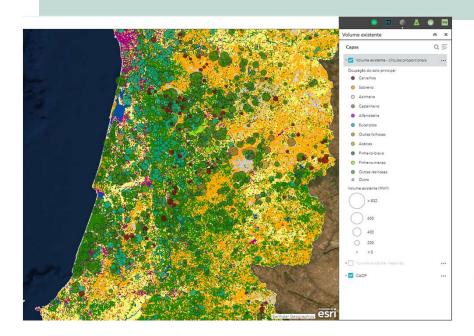
National
Decennial
Statistical and cartographic project
Wooded areas

23/06/2021

NATIONAL FOREST INVENTORY (NFI). PORTUGAL

NFI (PORTUGAL) IN FIGURES

- ✓ More than 50 years reporting state of the forests
- √ 6.1 million ha of forest areas (69% of the continental national territory)
- ✓ Forest is the main use (36%)
- ✓ The national forest is mainly composed of native forest species (72%)





INPUT DATA: NATIONAL FOREST INVENTORY (NFI). PORTUGAL

	DESIGNAÇÃO	ANO DE REFERÊNCIA
IFN 1	Inventário Florestal Nacional	1965
IFN 2	1.ª Revisão do IFN	1974
IFN 3	2.ª Revisão do IFN	1985
IFN 4	3.ª Revisão do IFN	1995
IFN 5	5.º Inventário Florestal Nacional	2005
IFN 6	6.º Inventário Florestal Nacional	2015











CURRENT FORMAT:

Excel Tables and GIS shape file

DATA INCLUDED in CROSSFOREST:

Data from IFN6: stock data at the dominant formation level (level NUTS3)



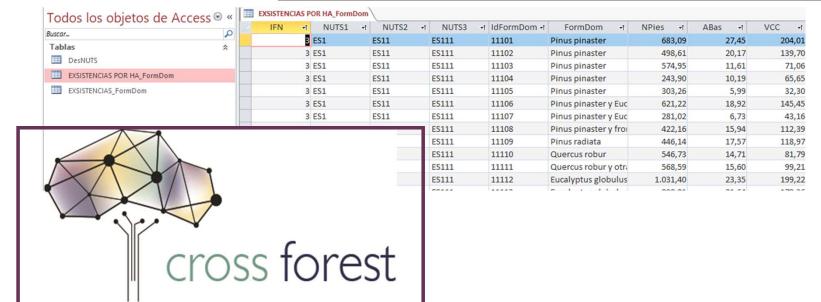


CURRENT FORMAT:

Microsoft Access database (accdb)

INPUT DATA: IBERIAN FOREST INVENTORY (IFI).

Spain and Portugal



DATA INCLUDED in CROSSFOREST

Data from IFN3 (Spain) and IFN6 (Portugal): stock data at the dominant formation level (NºTrees, BasalArea, VwithBark)

(NUTS3, Provincias or Regiões)

SPANISH FOREST MAP (SFM) MAPA FORESTAL DE ESPAÑA (MFE)

Basic information to elaborate forest areas statistics

Several versions at different scales and with different data models (since 1964), MFE25 ongoing project (since 2007).

Legal basis

Forest Law, article 28

Main characteristics

Decennial project

Information at province level

Homogeneus detail for all Spanish territory.

Current scale: 1:25.000

Elaborated by photointerpretation, with

partial field verification

IFN cartografic basis since 3NFI

APA FORESTAL DE ESPANA (IVIFE

SPANISH FOREST MAP (SFM). SPAIN

SFM IN FIGURES (MFE-MAX)

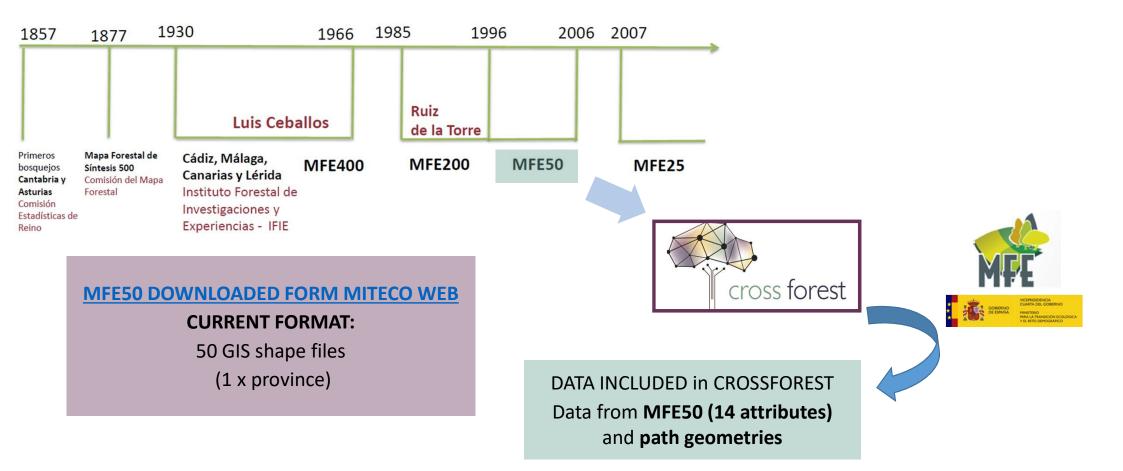
- √ 1,4 million mapped paths
- ✓ More than 28 M ha of forest hectares characterized
- √ 44 M data collected
- ✓ More than 100.000 paths visited in the field







INPUT DATA: SPANISH FOREST MAP (SFM). SPAIN





LAND USE LAND COVER MAP OF PORTUGAL CARTA DE USO E OCUPAÇÃO DO SOLO DE PORTUGAL (COS)

Cartography of polygons, which represent homogeneous land over/land use units 5 inventories: 1995, 2007, 2010, 2015, 2018

Responsible Entity

DGT – Direção-Geral do Território

Main characteristics

National

Based on CLC classes

COS2018 includes 83 classes at 4 levels

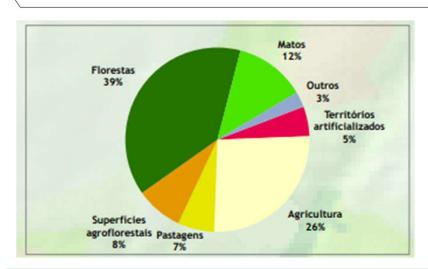
based on photointerpretation;

Scale 1:25.000

Minimum unit 1 ha

23/06/2021

LAND USE LAND COVER MAP OF PORTUGAL





- ✓ Thematic cartography applied to mainland Portugal;
- ✓ Nomenclature with more than 80 classes;
- ✓ The limits of COS2018 on the border with Spain are those of the Official Administrative Map of Portugal (CAOP).



COS The National Land Cover Land Use mapping program

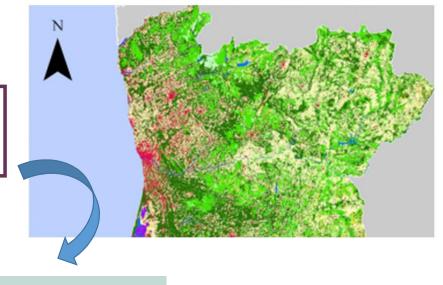


INPUT DATA: LAND OCCUPATION CARTOGRAPHY PORTUGAL. COS2018

DESIGNAÇÃO	ANO de REFERÊNCIA
COS1995	1995
COS2007	2007
COS2010	2010
COS2015	2015
COS2018	2018







COS2018 DOWNLOADED FROM SNIG WEB

CURRENT FORMAT:

GIS shape file

DATA INCLUDED in CROSSFOREST

Data from COS2018 (83 classes) and

geometries



INPUT DATA: **IBERIAN LAND USE (ILU). Spain and Portugal**



COS
The National Land Cover Land Use mapping program



CURRENT FILES: GIS shape files

Tesela s5s5 108600
Area: 8596,77ha
Uso del suelo: Bosques de Quercus suber

Cross forest

DATA INCLUDED in CROSSFOREST

Data from MFE50 (CLAMFE) and COS2018 (Level 1)

NATIONAL SOIL EROSION INVENTORY (NSEI) INVENTARIO NACIONAL EROSIÓN DE SUELOS (INES)

Homogeneous geographic information system on types of erosion.

Period 2002-2019

Legal basis

Forest Law 43/2003

Main characteristics

National

Periodic project

Information at province level

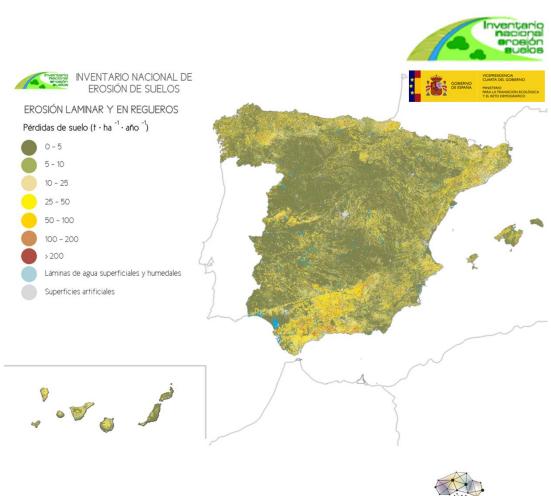
Work scale 1:50.000, with a resolution of 25 m

All lands included: Forests, grasslands and

croplandlands

Five types of erosion are studied

NATIONAL SOIL EROSION INVENTORY (NSEI). SPAIN





INPUT DATA: NATIONAL SOIL EROSION INVENTORY (NSEI). SPAIN

INES DOWNLOADED FROM MITECO WEB

CURRENT FORMAT:

GIS FORMAT for each province and for each type of erosion







DATA INCLUDED in CROSSFOREST

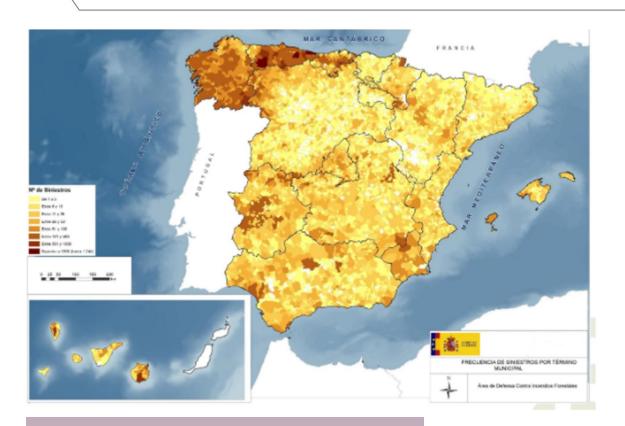
Rill and interrill erosion, gully erosion and mass movements hazards associated with the grid of 25 m



FOREST FIRES STATISTICS.SPAIN

The General Forest Fire Statistics (EGIF) is prepared at the National Forest Fire Information Coordination Center (CCINIF) based on the annual information provided by the autonomous communities

Data base since 1968
Currently > 5·10⁶ fires recorded
Legal basis: Forest Law, article 28
Data integration and process by WEB
platform
Anual periodicity



DOWNLOADED FROM MITECO WEB:

https://www.miteco.gob.es/eu/biodiversidad/est adisticas/Incendios default.aspx



Produced by DECIF (Special device for fighting forest fires of the ICNF -Instituto da Conservação da Natureza e das Florestas-)

Data base since 1980 is constantly generated and updated.

Cartography of burned areas since 1975 (greater than 5 ha) and from 2000 surfaces under 5 ha.

In 2020, a total of 9394 rural fires were recorded, resulting in 65887 hectares of burnt area

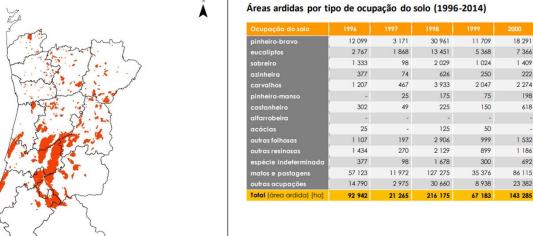
DOWNLOADED FROM ICNF WEB:

http://www2.icnf.pt/portal/florestas/dfci/inc/estat-sgif

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FOREST FIRES STATISTICS. PORTUGAL



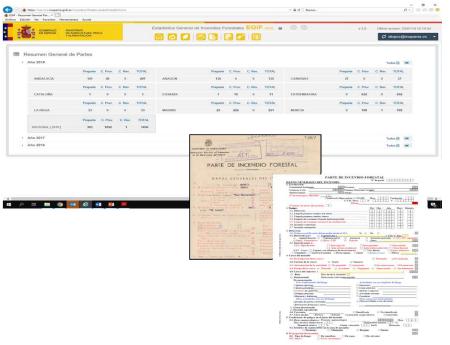




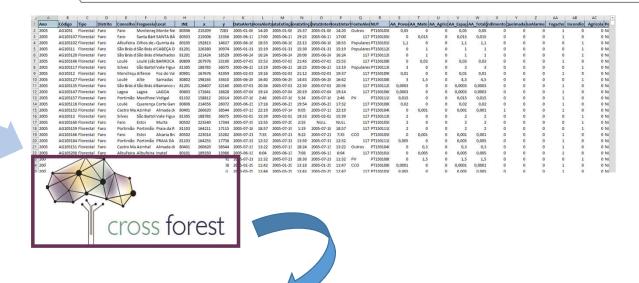
CURRENT FORMAT:

SPAIN: EGIFWEB App

PORTUGAL: Excel Tables



INPUT DATA: FOREST FIRES STATISTICS, SPAIN and PORTUGAL



DATA INCLUDED in CROSSFOREST

DATA from both Statistics: year, municipality, cause, burned surfaces (1983-2015 Spain, 1980-2015 Portugal), coordinates (from 2005 Spain, from 2001 Portugal)

cross forest

23/06/2021

Thanks!



INEA/CEF/ICT/A2017/1566738

