JRC Dataset

Suitability maps of Abies alba (ForestFocus)

Description:
Suitability maps (raster format: geotiff) of Abies alba, computed using the ForestFocus European dataset of species presence/absence. The adopted suitability model estimates the optimal environmental conditions for European tree species under present and future climates. Available years: 2000, 2020, 2050, 2080. For year 2000 the observed (WorldClim) climate conditions have been used. For years 2020, 2050, 2080 the climate conditions simulated for the climate change scenarios A2 and B2 have been used (by means of the climate models CCCMA, CSIRO, HANDCM3 and of an ensemble model of them).

Keywords:
CHM, Europe, RDSI, Species distribution, climatic change, deciduous forest, forest, forest resource, mathematical analysis, modelling, natural resource, scientific research, spatial distribution

Related resources:

Data access
[Output data] Compressed archive of geotiff maps
Compressed archive of geotiff maps of Abies alba suitability for the current situation (year 2000; climate data: WorldClim) and for climate change scenarios A2 and B2 (years: 2020, 2050, 2080; climate models: CCCMA, CSIRO, HANDCM3, ensemble)
http://ies-ews.jrc.ec.europa.eu/efdac/download/ClimateChange/suitability/sp100_suit_all.tar.gz

Download
http://forest.jrc.ec.europa.eu/efdac/applications/species-distribution/

Other resources

[Input data] European Soil Database
From European Soil Database information on soil parent material has been derived. European Soil Data Centre (ESDAC) Metadata Catalogue contains metadata information on the dataset.
http://esdac-catalog.jrc.ec.europa.eu/

[Input data] SRTM digital elevation model
The Shuttle Radar Topography Mission, which produced a high-resolution digital elevation model of the Earth.
https://doi.org/10.1029/2005RG000183

[Input data] WORLDCLIM dataset
WorldClim is a set of global climate layers (climate grids) with a spatial resolution of about 1 square kilometer (30 arc s). Layers are interpolated climate surfaces for global land areas, excluding Antarctica.
http://www.worldclim.org

[Input data] Forest Focus dataset
http://ec.europa.eu/environment/archives/forests/ffocus.htm

Additional information:
Last Modified: 2009-09-18
Issue date: 2009-09-18
Temporal coverage: From: 2050-01-01 – To: 2050-12-31
From: 2000-01-01 – To: 2000-12-31
From: 2020-01-01 – To: 2020-12-31
From: 2020-01-01 – To: 2050-12-31

Language: English

Data theme(s): Environment

EuroVoc domain(s): 52 ENVIRONMENT; 56 AGRICULTURE, FORESTRY AND FISHERIES; 64 PRODUCTION, TECHNOLOGY AND RESEARCH

EuroVoc concept(s): biodiversity; climate change; deciduous tree; forest; scientific research

Identifier: http://data.europa.eu/89h/0c88efca-34b5-4173-8c6f-71d377d8ced9

Geographic information:


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

Coordinate Reference System: ETRS89 / LAEA Europe