JRC Dataset

Suitability maps of Quercus petraea (ForestFocus)

Description:
Suitability maps (raster format: geotiff) of Quercus petraea, 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
[Download]
Download
http://forest.jrc.ec.europa.eu/efdac/applications/species-distribution/

[Output data] Compressed archive of geotiff maps
Compressed archive of geotiff maps of Quercus petraea 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)

Other resources

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

[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] 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] 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/

Additional information:
Last Modified: 2009-09-18
Issue date: 2009-09-18
Geographic information:


Geographic bounding box: 70.09° N, 34.59° E, 34.56° S, -10.58° W
Coordinate Reference System: ETRS89 / LAEA Europe