JRC Dataset

Maximum habitat suitability map of Castanea sativa (2006, FISE, RDS-MHSv0-3-2)

Description:
This dataset series shows the Maximum Habitat Suitability (MHS, also known as survivability) map of Castanea sativa (raster format: geotiff). The survivability map is provided for Europe (EU28 plus part of other countries within the spatial extent), computed using the FISE harmonised European dataset of taxa presence/absence (based on the integration and harmonisation of the datasets by European National Forestry Inventories; BioSoil; Forest Focus/Monitoring; EUFGIS; GeneticDiversity). The survivability is estimated as the maximum extension of habitat suitability by means of statistical multivariate similarity analysis (Relative Distance Similarity, RDS) of the bio-climatic conditions where the taxon is observed in Europe (RDS Maximum Habitat Suitability, RDS-MHS). Available years: 2006. The maps are available in the Forest Information System for Europe (FISE). FISE is run by the European Commission, Joint Research Centre. See the field Lineage for further information. When using these data, please cite the relevant data sources. A suggested citation is included in the following: - Various authors, 2016. Castanea sativa in Europe: an outline on distribution, habitat, importance and threats. In: Online European Atlas of Forest Tree Species. FISE Comm. Publications Office of the European Union. pp. e0125e0+. (Under review: please, check the current status at: https://w3id.org/mtv/FISE-Comm/v01/e0125e0) - de Rigo, D., Caudullo, G., Houston Durrant, T., San-Miguel-Ayanz, J., 2016. The European Atlas of Forest Tree Species: modelling, data and information on forest tree species. In: San-Miguel-Ayanz, J., de Rigo, D., Caudullo, G., Houston Durrant, T., Mauri, A. (Eds.), European Atlas of Forest Tree Species. Publ. Off. EU, Luxembourg, pp. e01aa69+. https://w3id.org/mtv/FISE-Comm/v01/e01aa69

Keywords:
Europe, FISE, Habitats and biotopes, Model: Relative Distance Similarity (RDS-MHS), Modelled quantity: Maximum Habitat Suitability (MHS), Modelling paradigm: Geospatial Semantic Array Programming (GeoSemAP), Taxonomy division type: Broadleaved, Taxonomy family: Fagaceae, Taxonomy genus: Castanea, Taxonomy species: Castanea sativa, forest, forest resource, mathematical analysis, modelling, natural resource, scientific research, spatial distribution, tree

Related resources:

Data access
[VIEW] INSPIRE View Service
INSPIRE compliant view service for maps of Castanea sativa survivability (maximum extension of habitat suitability) for the current situation (year 2006; forest tree species data: FISE)
https://w3id.org/mtv/FISE/map-MHS/v0-3-2/internet/Castanea-sativa

[Download] Data Download Service
Data download service for maps of Castanea sativa survivability (maximum extension of habitat suitability) for the current situation (year 2006; forest tree species data: FISE)
https://w3id.org/mtv/FISE/map-data-MHS/v0-3-2/internet/Castanea-sativa

Additional information:
Last Modified: 2014-01-08
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Landing page: https://w3id.org/mtv/FISE-Comm/v01/e0125e0/map-MHS
Temporal coverage: From: 2006-01-01 – To: 2006-12-31
Language: English
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EuroVoc domain(s): 52 ENVIRONMENT; 56 AGRICULTURE, FORESTRY AND FISHERIES; 64 PRODUCTION, TECHNOLOGY AND RESEARCH
EuroVoc concept(s): biotope; forest; scientific research; tree
Identifier: http://data.europa.eu/89h/7909a8fa-e65a-4e69-b267-ea676cdf7a20
Geographic information: