

Hellenic Beech Forests Database (Hell-Beech-DB)

Ioannis Tsiripidis, Erwin Bergmeier, Georgios Fotiadidis & Panayotis Dimopoulos

Abstract: The Hellenic Beech Forests Database (GIVD ID EU-GR-007) includes relevés dominated or co-dominated by *Fagus sylvatica* s.l. It includes almost all published relevés from the northeast, north-central and east-central floristic regions of Greece. Ca. 50 unpublished relevés have been already entered and more than 300 new relevés are going to be entered soon. Furthermore, existing relevés from northwestern Greece are going to be entered to complete the data. Species data concern vascular plants and additionally most relevés have environmental data such as altitude, aspect, and slope inclination. For about 40% of the relevés precise geographic locality is given, while for a small proportion (ca. 3%) soil physical and chemical attributes are included. Relevé data have already been classified into 14 vegetation units, corresponding to the association or community level. The database is available for research purposes, upon agreement.

Keywords: deciduous forest; *Fagion moesiaca*; *Fagion sylvaticae*; *Fagus sylvatica*.

GIVD Database ID: EU-GR-007		Last update: 2012-05-04
Hellenic Beech Forests Database (Hell-Beech-DB)		
Scope: Study of beech (<i>Fagus sylvatica</i>) and its forest communities		
Status: completed and continuing		Period: 1977-1999
Database manager(s): Ioannis Tsiripidis (tsirpid@bio.auth.gr)		
Owner: Tsiripidis I., Bergmeier E., Fotiadidis G., Dimopoulos P.		
Web address: [NA]		
Availability: according to a specific agreement	Online upload: no	Online search: no
Database format(s): TURBOVEG		Export format(s): TURBOVEG, MS Access, Excel, CSV file
Publication: Tsiripidis, I., Bergmeier, E. & Dimopoulos, P. 2007. Geographical and ecological differentiation in Greek <i>Fagus</i> forest vegetation. <i>Journal of Vegetation Science</i> 18: 743-750.		
Plot type(s): normal plots		Plot-size range: 100-1,600 m ²
Non-overlapping plots: 1,404	Estimate of existing plots: 2,000	Completeness: 70%
Total plot observations: 1,404	Number of sources: 16	Valid taxa: 652
Countries: GR: 100.0%		
Forest: 100% — Non-forest: aquatic: 0%; semi-aquatic: 0%; arctic-alpine: 0%; natural: 0%; semi-natural: 0%; anthropogenic: 0%		
Guilts: all vascular plants: 100%		
Environmental data: altitude: 100%; slope aspect: 95%; slope inclination: 95%; microrelief: 60%; surface cover other than plants (open soil, litter, bare rock etc.): 3%; soil pH: 3%; land use categories: 3%		
Performance measure(s): cover: 100%; measurements like diameter or height of trees: 42%		
Geographic localisation: GPS coordinates (precision 25 m or less): 42%; political units or only on a coarser scale (>10 km): 59%		
Sampling periods: 1970-1979: 11.0%; 1980-1989: 18.0%; 1990-1999: 71.0%		
Information as of 2012-07-12; further details and future updates available from http://www.givd.info/ID/EU-GR-007		

Ioannis Tsiripidis* (tsirpid@bio.auth.gr)
School of Biology, Aristotle University of Thessaloniki, GR-54124 Thessaloniki, GREECE

Erwin Bergmeier (erwin.bergmeier@bio.uni-goettingen.de)
Department of Vegetation and Phytodiversity Analysis, Albrecht von Haller Institute of Plant Sciences, University of Göttingen, Untere Karspüle 2, DE-37073 Göttingen, GERMANY

Georgios Fotiadidis (gfotiad95@gmail.com)
Department of Forestry and Management of Natural Environment, Technological Education Institute of Lamia, GR-36100 Karpenisi, GREECE

Panayotis Dimopoulos (pdimopul@uwg.gr)
Department of Environmental and Natural Resources Management, University of Western Greece, Seferi 2, GR-30100 Agrinio, GREECE

*Corresponding author