

EVSItalia Database of Evergreen Mediterranean Forests

Emiliano Agrillo, Francesco Spada & Simonetta Valfré

Abstract: A database of the Evergreen Mediterranean Forests of peninsular Italy is presented (EVSItalia Database of Evergreen Mediterranean Forests, GIVD ID EU-IT-014). The database stores 1,266 relevés from published certified phytosociological sources, belonging to the syntaxa of *Quercion ilicis*. Specifically, *Quercus ilex* forest of *Viburno-Quercetum ilicis* and the cork oak forest in the syntaxa of *Viburno-Quercetum ilicis suberetosum* (according to a central- Mediterranean classical interpretation). *Q. suber* stands are a variant of the *Q. ilex* forests, although the continued exploitation of cork and grazing activities in the cork forests, do not allow a precise analysis of the true spatial limits of the two biocoenoses. All the relevés are uploaded to TURBOVEG; a related ArcGIS Database stores information about localization: Operational Geographic Units (OGU), corresponding to the quadrates of the Italian floristic grid, precise GPS or toponym information as well as descriptive records of locations extracted from geographical information systems are stored. The data-set aims to support reviews based on large data-sets for the classification of Italian vegetation types, classification of communities and their parameterization over larger areas by geostatistical analysis, the exploration geographic changes in community distribution along topographical gradients and to test changes along geographical gradients. A different insight in the patterns of synonymy and reassessment among syntaxa on the basis of a geographical approach is expected.

Keywords: Italian vegetation database; TURBOVEG.

GIVD Database ID: EU-IT-014		Last update: 2012-07-25	
EVSItalia Database Evergreen Mediterranean Forests			
Scope: The data-set aims to store information from published/certified phytosociological sources in order to support ongoing reviews based on larger data-sets for comparative classification of Italian vegetation types.			
Status: completed and continuing		Period: 1923-2009	
Database manager(s): Emiliano Agrillo (emiliano.agrillo@uniroma1.it)			
Owner: [NA]			
Web address: [NA]			
Availability: according to a specific agreement		Online upload: no	Online search: no
Database format(s): TURBOVEG, ArcGis database		Export format(s): TURBOVEG, ArcGis database	
Publication: [NA]			
Plot type(s): normal plots		Plot-size range: 20-500 m ²	
Non-overlapping plots: 1,366	Estimate of existing plots: [NA]	Completeness: [NA]	
Total plot observations: 1,366	Number of sources: 42	Valid taxa: [NA]	
Countries: IT: 75.0%			
Forest: [NA] — Non-forest: [NA]			
Guilds: all vascular plants: 100%; bryophytes (terricolous or aquatic): 5%			
Environmental data: [NA]			
Performance measure(s): [NA]			
Geographic localisation: [NA]			
Sampling periods: [NA]			
<i>Information as of 2012-07-12; further details and future updates available from http://www.givd.info/ID/EU-IT-014</i>			

Emiliano Agrillo* (emiliano.agrillo@uniroma1.it), Francesco Spada (francesco.spada@uniroma1.it), Simonetta Valfré (simonetta.valfre@uniroma1.it)

Department of Environmental Biology, Sapienza University of Roma, Rome, ITALY

*Corresponding author