

EVSItalia Database of Broadleaved Deciduous Submediterranean Forests

Francesco Spada, Emiliano Agrillo & Nicola Alessi

Abstract: A database of phytosociological relevés of Broadleaved Deciduous Submediterranean Forests of peninsular Italy (the Tyrrhenian sea basin, from Liguria to Calabria including Sicilia and Sardegna) is presented (EVSItalia Database of Broadleaved Deciduous Submediterranean Forests, GIVD ID EU-IT-009). The data-set aims to store information from published phytosociological sources, in order to support ongoing reviews based on larger data-sets for comparative classification of Italian vegetation types. The database stores 733 relevés, mostly in oak forest areas dominated by *Quercus pubescens* and *Q. cerris*, from the subcoastal to the limit of beech forests in the mountain range of the Apennines and in the forests related to the syntaxa *Quercion-pubescentis petraea* in Sardegna. Relevés were uploaded to TURBOVEG and store information about localization (ArcGis Database) in the square of the grid of Operational Geographic Units (OGU, i.e. quadrates of the Italian floristic grid), precise GPS or toponym localization and descriptive records of locations extracted from geographical information systems. Presence-absence or quantitative matrices are produced as well. The database aims to produce data for coenological classification and parametrisation over larger areas by geostatistical analysis. This will allow to explore patterns of similarity among the distribution of different associations (chorological groups of associations, provincialism), patterns of geographic changes in community distribution along topographical gradients and to test changes in the physical scenario of selected individual communities along geographical gradients. A different insight in to the patterns of synonymy and reassessment among syntaxa on the basis of a geographical treatise is expected.

Keywords: Italian vegetation database; TURBOVEG.

GIVD Database ID: EU-IT-009		Last update: 2012-06-20	
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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: 1960-2008	
Database manager(s): Emiliano Agrillo (emiliano.agrillo@uniroma1.it); Nicola Alessi (alessinicola@hotmail.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: 8-500 m ²	
Non-overlapping plots: 733	Estimate of existing plots: [NA]	Completeness: [NA]	
Total plot observations: 733	Number of sources: 23	Valid taxa: [NA]	
Countries: IT: 70.0%			
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-009</i>			

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