

Dry Grasslands Database of Central Italy

Laura Facioni, Eva Del Vico, Leonardo Rosati, Sabina Burrascano, Agnese Tilia & Carlo Blasi

Abstract: We stored original and published phytosociological relevés of semi-natural dry grasslands sampled in different mountain ranges in central Italy (Apennines and anti-Apennines ranges). A total of 762 relevés were stored in a TURBOVEG database. The data spans from 1982 to present. The database has a geographical special focus on the Tyrrhenian district of central Italy and it has been designed to order improve the synecological and syntaxonomical knowledge of dry grasslands. The surveyed grasslands are pastures, characterized by different substrata (calcareous, marly-calcareous, arenaceous substrata) and macroclimatic types (Mediterranean, Submediterranean and Temperate). In physiognomic terms the majority of relevés are dominated by *Bromus erectus*, while a few are characterized by the dominance of *Brachypodium rupestre*. In syntaxonomical terms the relevés represent communities that belong to *Festuco-Brometea* syntaxa. A reference check-list of taxa was set up mostly following Conti et al. (2005), including several largely adopted synonyms to facilitate the correct input of relevé data. The ecological database is linked to the vascular species list, following Ellenberg indicator values modified for the Italian flora and including life forms or chorotypes. The database contains useful information to test several ecological hypotheses and to perform wide-scale vegetation classification. Furthermore it facilitates the use of vegetation-plot data for biodiversity and habitat monitoring and for land use/cover changes evaluation. This report describes the available content in the Dry Grasslands Database of Central Italy (GIVD ID EU-IT-004).

Keywords: Apennines; *Festuco-Brometea* communities; pasture; phytosociological relevé.

GIVD Database ID: EU-IT-004		Last update: 2012-07-09	
Dry Grasslands Database of Central Italy			
Scope: Original and published phytosociological relevés of semi-natural dry grasslands (<i>Festuco-Brometea</i> communities), sampled in different mountain ranges (Apennines and anti-Apennines ranges in central Italy). All the relevés were stored in a TURBOVEG database for analysis and to improve the synecological and syntaxonomical knowledge of this type of vegetation.			
Status: ongoing capture		Period: 1982-2011	
Database manager(s): Laura Facioni (laura.facioni@gmail.com); Eva Del Vico (evadelvico@gmail.com); Leonardo Rosati (leonardo.rosati@unibas.it)			
Owner: Laura Facioni, Eva Del Vico (private)			
Web address: [NA]			
Availability: according to a specific agreement		Online upload: no	Online search: no
Database format(s): TURBOVEG		Export format(s): TURBOVEG, Excel, CSV file	
Publication: [NA]			
Plot type(s): normal plots		Plot-size range: 1-140 m ²	
Non-overlapping plots: 762	Estimate of existing plots: [NA]	Completeness: [NA]	
Total plot observations: 762	Number of sources: 14	Valid taxa: 949	
Countries: IT: 100.0%			
Forest: 0% — Non-forest: aquatic: 0%; semi-aquatic: 0%; arctic-alpine: 0%; natural: 0%; semi-natural: 100%; anthropogenic: 0%			
Guilds: all vascular plants: 100%			
Environmental data: altitude: 71%; slope aspect: 71%; slope inclination: 71%; soil depth: 71%			
Performance measure(s): cover: 100%			
Geographic localisation: GPS coordinates (precision 25 m or less): 17%; point coordinates less precise than GPS, up to 1 km: 27%; political units or only on a coarser scale (>10 km): 56%			
Sampling periods: [NA]			
Information as of 2012-07-12; further details and future updates available from http://www.givd.info/ID/EU-IT-004			

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