

Vegetation Database of Sinai in Egypt

Mohamed Hatim

Abstract: Sinai is an important region in Egypt due to different reasons. One of the main reasons is the variety of plant species it has representing around 40% of plant species of Egypt. Moreover, it has around 60 endemic species. Sinai is characterized mainly by its hot dry climate, however one can find Mediterranean vegetation types mainly in its North, desert ones mainly in the middle and mountainous ones mainly in the south. This vegetation database is an attempt to collect the plant species records made at Sinai by many persons over time. This database is intended to be a nucleus for the National Vegetation Database of Egypt which was initiated by the Botany Department - Faculty of Science – of Tanta University under supervision of Professor Kamal Shaltout (Tanta University) with the great support of Professor Joop Schaminée (Wageningen University, Netherlands) and Stephan Hennekens (Alterra Institute, Netherlands). The current database can be used for determining the classification of vegetation at Sinai, getting better understanding of plant species distribution, applying much phytosociological studies and not the last, better management of biodiversity issues at Sinai. The Vegetation Database of Sinai in Egypt (GIVD ID AS-EG-001) comprises around 1,620 relevés and it is still growing.

Keywords: desert; Mediterranean; mountainous; medicinal plant; North Africa; TURBOVEG.

GIVD Database ID: AS-EG-001		Last update: 2012-04-28
Vegetation Database of Sinai in Egypt		
Scope: The database tries to cover all the plant communities in Sinai by collecting the available plants records made by many persons including the contact one. It is intended to be a nucleus of the national vegetation database of Egypt which is initiated by Tanta University, Faculty of Science, Botany department under supervision of Prof. Dr. Kamal Shaltout and with the great support of Prof. Dr. Joop Schaminee (Wageningen University-Netherlands) and Stephan Hennekens (Alterra institute-Netherlands).		
Status: emerging	Period: 1983-2010	
Database manager(s): Mohamed Hatim (mohamed.zakaria@science.tanta.edu.eg)		
Owner: the contact person and many other persons		
Web address: [NA]		
Availability: according to a specific agreement	Online upload: no	Online search: yes
Database format(s): TURBOVEG	Export format(s): TURBOVEG, Excel	
Publication: [NA]		
Plot type(s): normal plots	Plot-size range: 4-5,000 m ²	
Non-overlapping plots: 1,622	Estimate of existing plots: [NA]	Completeness: [NA]
Total plot observations: 1,622	Number of sources: [NA]	Valid taxa: [NA]
Countries: EG: 100.0%		
Forest: [NA] — Non-forest: [NA]		
Guilds: all vascular plants: 100%		
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/AS-EG-001</i>		

Mohamed Hatim (mohamed.zakaria@science.tanta.edu.eg)

Department of Botany, Faculty of Science - Tanta University, El Giesh St., 31527 Tanta, EGYPT