

UK Environmental Change Network – Vegetation Database

Susannah Rennie

Abstract: This paper describes the vegetation database of the UK Environmental Change Network (ECN - <http://www.ecn.ac.uk>; GIVD ID EU-GB-002). ECN is the UK's long-term environmental monitoring programme. A wide range of integrated physical, chemical and biological variables which drive and respond to environmental change are collated, quality controlled and made freely available for scientific research. Vegetation data recording forms part of the suite of ECN measurements. Data are recorded at regular time intervals at twelve sites located around the UK. The vegetation data, along with the wider information resource available for the ECN sites, are available through a licensing system.

Keywords: biodiversity; informatics; long-term environmental research; monitoring.

GIVD Database ID: EU-GB-002		Last update: 2012-05-03	
UK Environmental Change Network - Vegetation Database			
Scope: The Environmental Change Network is the UK's long-term environmental monitoring programme. A wide range of integrated physical, chemical and biological variables (including vegetation) which drive and respond to environmental change are collated, quality controlled and made freely available for scientific research. Vegetation data are collected at 12 sites located around the UK. Data recording is repeated at regular time intervals. For full details see http://www.ecn.ac.uk/measurements/terrestrial/v .			
Status: completed and continuing		Period: 1993-ongoing	
Database manager(s): Susannah Rennie (srennie@ceh.ac.uk)			
Owner: ECN is managed by the Centre for Ecology and Hydrology on behalf of a consortium of fourteen organisations: Agri-Food and Biosciences Institute, Biotechnology & Biological Sciences Research Council, Cyngor Cefn Gwlad Cymru - Countryside Council for Wales, Defence Science and Technology Laboratory, Department for Environment, Food and Rural Affairs, Environment Agency, Forestry Commission, Llywodraeth Cymru - Welsh Government, Natural England, Natural Environment Research Council, Northern Ireland Environment Agency, Scottish Environment Protection Agency, Scottish Government, Scottish Natural Heritage.			
Web address: http://www.ecn.ac.uk			
Availability: according to a specific agreement		Online upload: no	Online search: yes
Database format(s): Oracle		Export format(s): CSV file	
Publication: http://www.ecn.ac.uk/measurements/terrestrial/v Sykes, JM. and Lane, AMJ (Eds) (1996). The United Kingdom Environmental Change Network: protocols for standard measurements at terrestrial site. Stationery Office, London. (ISBN 0 11 702197 0)			
Plot type(s): time series		Plot-size range: 2-10 m ²	
Non-overlapping plots: 3,783	Estimate of existing plots: 3,783	Completeness: 100%	
Total plot observations: 7,398	Number of sources: [NA]	Valid taxa: 5,645	
Countries: GB: 100.0%			
Forest: [NA] — Non-forest: [NA]			
Guilds: all vascular plants: 100%; bryophytes (terricolous or aquatic): 100%; lichens (terricolous or aquatic): 100%			
Environmental data: altitude: 100%; slope aspect: 100%; soil depth: 100%			
Performance measure(s): presence/absence only: 100%; measurements like diameter or height of trees: 10%			
Geographic localisation: GPS coordinates (precision 25 m or less): 100%			
Sampling periods: 1990-1999: 40.0%; 2000-2009: 50.0%; 2010-2019: 10.0%			
Information as of 2012-07-12; further details and future updates available from http://www.givd.info/ID/EU-GB-002			

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