

A



WEB OF SCIENCE

Literature extraction

$TI = \text{"Biodiversity"} \text{ AND } WC = (\text{"Ecology"} \text{ OR } \text{"Soil Science"} \text{ OR } \text{"Environmental Studies"} \text{ OR } \text{"Environmental Sciences"} \text{ OR } \text{"Marine \& Freshwater Biology"} \text{ OR } \text{"Multidisciplinary Sciences"} \text{ OR } \text{"Paleontology"})$

 $N = 10170$ articles

Random selection (~10%)

 $N = 916$ articles $N = 65$ not found

B

Proportion of biodiversity

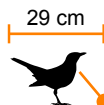
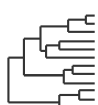
Biodiversity facets

Methods

Geography & System

Title "descriptors"

Observed biodiversity
e.g., 4 out of 56 = 0.07

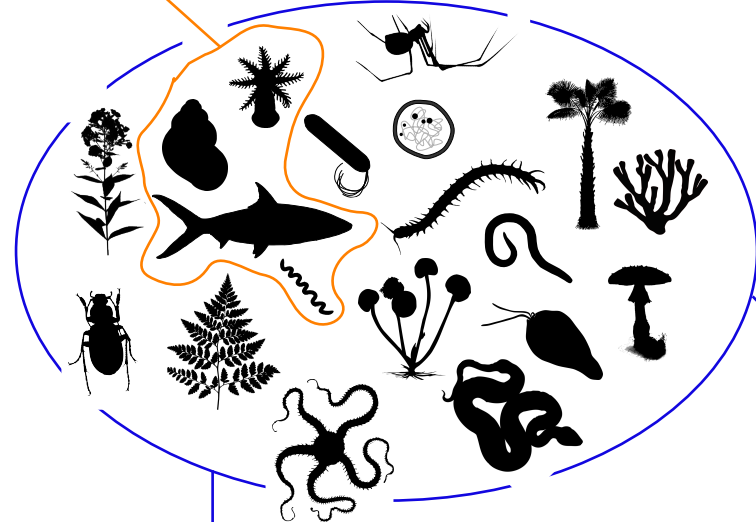


Insectivorous

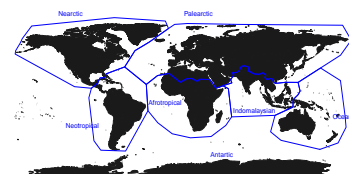
Method(s) to collect biodiversity data

Biogeographic region(s) and system(s)

Mention of Habitat, Taxa, or Locations in the title



Expected biodiversity
($N = 56$ macrogroups)



Marine Biology (2002) 141: 185-199
DOI 10.1007/s00227-002-0804-y

H. Fock · F. Uiblein · F. Köster · H. von Westernhagen

Biodiversity and species–environment relationships of the demersal fish assemblage at the Great Meteor Seamount (subtropical NE Atlantic), sampled by different trawls

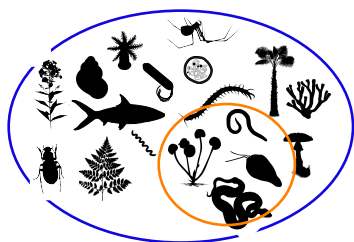
C

What proportion of biodiversity is sampled by studies, and across what facets?

How does the proportion of sampled biodiversity varies across systems, regions and over time?

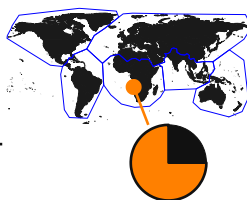
Is a low proportion of sampled biodiversity compensated by the use of descriptors in the title?

Is there a relationship between the proportion of sampled biodiversity, the use of descriptors, and impact?



Biodiversity

Publication year



Biodiversity

No descriptors
Location
Habitat
Taxa

Biodiversity

Impact
(e.g. citation)