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[nature](#) [scientific data](#) [data descriptors](#) [article](#) [table](#)

Online-only Table 2 Information captured in the data template, relating to site-level information.

From: [Global data on earthworm abundance, biomass, diversity and corresponding environmental properties](#)

Field	Format	Possible Values	Information	Required field
File	Text		Unique ID for each article. Assigned to all studies within a single publication	*
Study_Name	Text		Unique ID for each study. Assigned to all sites within a single study	*
			Unique ID given to each site. A	

Site_Name	Text	site that is sampled in different studies will have the same ID	*
Observational	Multiple choice	Observation; Experimental	*
Latitude (decimal degrees)	Numerical	The latitude of the site (in decimal degrees only)	*
Longitude (decimal degrees)	Numerical	The longitude of the site (in decimal degrees only)	
Altitude (m)	Numerical	The altitude of the site (in metres only)	

Country	Text		The country the site was in (as given by data collector)	*
Sample_StartDate_Month	Integer	1–12	The month the sampling started	
Sample_StartDate_Year	Integer	Less than 2018	The year the sampling started	*
Sample_EndDate_Month	Integer	1–12	The month the sampling ended	
Sample_EndDate_Year	Integer	Less than 2018	The year the sampling ended	
ExtractionMethod	Multiple choice	Visual search, Hand sorting, Chemical extraction (Mustard), Chemical extraction (Formalin), Octet Method (electric shock), Hand sorting + Chemical extraction (Mustard), Hand sorting + Chemical Extraction (Formalin), Other, Other Multiple, Unknown	The methodology used to sample the earthworms	*
Sampled Area	Numerical		The area over which sample(s) were taken. Typically the size	*

Sampled Area Unit	Multiple choice	cm ² , cm ³ , m ² , m ³ , Unknown, Other	of the quadrat or soil block The unit of the sampled area	*
Sampling Effort	Numerical		The number of times the site was sampled to obtain the earthworm community metric(s) provided	*
pH	Numerical		Sampled pH of the site	At least one required
pH Collection Method	Multiple choice	H ₂ O, KCl, CaCl ₂ , Other, Unknown	The suspension solvent used in the measurement	
pH_mean	Multiple choice	Yes/no	Denotes whether the value given for the pH is a mean from individual values across a depth profile	
CEC	Numerical		The Cation Exchange Capacity of the site The unit of the	

CEC_unit	Text		CEC measurement
XXX_mean	Multiple choice	Yes/no	Denotes whether the value given for the pH is a mean from individual values across a depth profile
Base Saturation(%)	Numerical		The base saturation of the site
BaseSaturation_mean	Multiple choice	Yes/no	Denotes whether the value given for the base saturation is a mean from individual values across a depth profile
Organic Carbon (%)	Numerical		The organic carbon content of the soil at the site
OC_mean	Multiple choice	Yes/no	Denotes whether the value given for the organic carbon is a mean from individual values across a depth profile

Soil Organic Matter (%)	Numerical		The soil organic matter content at the site
SOM_mean	Multiple choice	Yes/no	Denotes whether the value given for the soil organic matter is a mean from individual values across a depth profile
C/N ratio	Numerical		The carbon to nitrogen ratio at the site
CN_mean	Multiple choice	Yes/no	Denotes whether the value given for the carbon:nitrogen ratio is a mean from individual values across a depth profile
Sand (%) / Silt (%) / Clay (%)	Numerical		The percentage of sand, silt and clay at the site
Sand_silt_clay_mean	Multiple choice	Yes/no	Denotes whether the value given for the percentage of sand, silt and clay is a mean from

			individual values across a depth profile
USDA_SoilTexture	Multiple choice	clay, sandy clay, sandy clay loam, clay loam, loam, sandy loam, loamy sand, sand, silt clay, silty clay loam, silt loam, silt	The texture of the soil at the site
Soil Moisture(%)	Numerical		The soil moisture at the site
WRB/FAO_SoilType	Multiple choice	Acrisols, Albeluvisols, Alisols, Andosols, Anthrosols, Arenosols, Calcisols, Cambisols, Chernozem, Cryosols, Durisol, Ferralsols, Fluvisol, Gleysols, Gypsisols, Histosols, Kastanozem, Leptosols, Lixisols, Luisols, Nitisols, Phaeozem, Planosols, Plinthosols, Podzols, Regosols, Retisols, Solonchaks, Solonetz, Technosols, Umbrisols, Vertisols	The type of soil at the site. Using the WRB/FAO classification ²⁶ , but only classified when given by the data providers in the same system
			The category of land use ^{29,30} that

LandUse	Multiple choice	<p>Primary vegetation, Secondary vegetation, Production - Arable, Production - Crop plantations, Production - Wood plantation, Pasture, Urban, Unknown</p>	<p>the site was classified as. Classification was based on descriptions of the site in the text of the original publication or subsequent correspondence with the data provider</p>	*
HabitatCover	Multiple choice	<p>Broadleaf evergreen forest, Broadleaf deciduous forest, Needleleaf evergreen forest, Needleleaf deciduous forest, Mixed forest, Tree open, Shrub, Herbaceous, Herbaceous with sparse tree/shrub, Sparse vegetation, Cropland, Paddy field, Cropland/Other vegetation mosaic, Mangrove, Wetland, Bare area (consolidated, e.g. rock), Bare area</p>	<p>The category of habitat cover (ESA CCI-LC 300 m; https://www.esa-landcover-cci.org/) that the site was classified as. Classification was based on descriptions of the site in the text of the original publication or subsequent correspondence with the data</p>	*

		(unconsolidated, e.g. sand), Urban, Snow/Ice, Water bodies, Unknown	provider
Management System	Multiple choice	Annual crop, Integrated systems, Perennial crops, Pastures (grazed lands), Tree plantations, Unknown, NA	The management system at the site. Sites with no management, i.e. pristine or recovering sites, were categorised as 'NA'. Classification system based on expert opinion.
Tillage/Pesticide/Fertilizer/Selectively harvested/Clear cut/Fire/Grazing all year/Rotation/Monoculture/Planted	Boolean		The presence or absence of each pressure at the site. The applicability of these depended on the 'management system'. Thus, they were left empty or filled as 'NA' when not applicable (see Supplementary Material 1) Free text field for

Habitat as described	Text		a description of the site based on the original article or on emails from the data provider *
SpeciesRichness	Numerical		The species richness at the site (if available) At least one required
SpeciesRichnessUnit	Multiple choice	Number of species, Species per cm ² , Species per cm ³ , Species per m ² , Species per m ³ , Other	The units of the species richness value
Site_WetBiomass	Numerical		The total wet biomass of the site (if available)
Site_WetBiomassUnits	Multiple choice	g, g/m ²	The units of the biomass value
Site_Abundance	Numerical		The total abundance of the site (if available)
Site_Abundance Units	Multiple choice	Number of individuals, Individuals per cm ² , Individuals per cm ³ , Individuals per m ² , Individuals per m ³	The units of the abundance value

[Back to article page](#)

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