Table 1a: Number of species evaluated in relation to the overall number of described species, and numbers of threatened species by major groups of organisms.

	Estimated Number of described species ¹	Number of species evaluated by 2024 (IUCN Red List version 2024-2)	% of described species evaluated by 2024 (IUCN Red List version 2024-2)	Number of threatened species ² by 2024 (IUCN Red List version 2024-2)	Estimated % threatened species in 2024 (IUCN Red List version 2024-2) ^{2,3,4}		
					Lower estimate (threatened spp. as % of extant evaluated species)	Best estimate (threatened spp. as % of extant data sufficient evaluated species)	Upper estimate (threatened and DD spp. a % of extant evaluated species)
VERTEBRATES							
Mammals ⁵	6,736	5,991	89%	1,354	23%	27%	36%
Birds	11,195	11,195	100%	1,311	12%	12%	12%
Reptiles	12,263	10,311	84%	1,845	18%	21%	33%
Amphibians	8,776	8,009	91%	2,873	36%	41%	47%
Fishes	36,953	28,255	76%	4,017		Insufficient coverage	
Subtotal	75,923	63,761	84%	11,400	18%	21%	31%
INVERTEBRATES							
Insects	1,053,578	12,747	1.2%	2,423		Insufficient coverage	
Molluscs	87,254	9,127	10%	2,456		Insufficient coverage	
Crustaceans ⁶	90,820	3,213	4%	748		Insufficient coverage	
Corals	5,641	927	16%	334		Insufficient coverage	
Arachnids	95,966	787	0.82%	283		Insufficient coverage	
Velvet Worms	222	11	5%	9		Insufficient coverage	
Horseshoe Crabs	4	4	100%	2	50%	100%	100%
Others	156,447	1,090	0.70%	177		Insufficient coverage	
Subtotal	1,489,932	27,906	2%	6,432			
PLANTS 7							
Mosses 8	21,925	327	1.5%	181		Insufficient coverage	
Ferns and Allies 9	11,800	822	7%	322		Insufficient coverage	
Gymnosperms	1,113	1,061	95%	450	42%	43%	44%
Flowering Plants	369,000	71,253	19%	27,197		Insufficient coverage	
Green Algae 10	14,151	17	0.1%	0		Insufficient coverage	
Red Algae 10	7,690	78	1.0%	9		Insufficient coverage	
Subtotal	425,679	73,558	17%	28,159			
FUNGI & PROTISTS 11							
Mushrooms, etc.	157,648	818	0.5%	340		Insufficient coverage	
Brown Algae 10	4,756	18	0.4%	6		Insufficient coverage	
Subtotal	162,404	836	0.5%	346			
TOTAL	2,153,938	166,061	8%	46,337			

NOTES:

- 1. The numbers of described species in Table 1a should be used with caution as these are not always be up to date for all taxonomic groups. The sources used for the figures currently shown in the table are listed below.
- 2. Threatened species are those listed as Critically Endangered (CR), Endangered (EN) or Vulnerable (VU).
- 3. Where <80% of species within a group have been evaluated, figures for % threatened species are not provided because there is insufficient coverage for these groups. It is only possible to provide reliable figures for % threatened species for those groups that are completely or almost completely evaluated (e.g., mammals, birds, amphibians and gymnosperms).
- 4. The percentage of threatened species can be calculated for those groups that are completely or almost completely evaluated (>80% of species evaluated), but the actual number of threatened species is often uncertain because it is not known whether Data Deficient (DD) species are actually threatened or not. Therefore, a range of percentages is provided: lower estimate = % threatened extant species (if DD species are equally threatened as data sufficient species); upper estimate = % threatened extant species (if DD species are equally threatened as data sufficient species); upper estimate = % threatened extant species (if all DD species are threatened). If a single figure is required for reporting purposes, the best estimate figure
- 5. The number of described and evaluated mammals excludes domesticated species like sheep (Ovis aries), goats (Capra hircus), Dromedary (Camelus dromedarius), etc.
- 6. Crustaceans include six classes: Branchiopoda (fairy shrimp, clam shrimp, etc.); Cephalocardia (horseshoe shrimp); Malacostraca (crabs, lobsters, shrimp, woodlice, etc.); Maxillopoda (barnacles, copepods, etc.); Ostracoda (seed shrimp) and Remipedia (remipedes)
- 7. The plant numbers **DO NOT** include species from the 1997 IUCN Red List of Threatened Plants (Walter and Gillett 1998) as those assessments used the pre-1994 IUCN system of threat categories. Hence the numbers of threatened plants in Table 1b are much lower when compared to the 1997 results. When reporting on threatened plants, the results from the current web version of The IUCN Red List should be combined with the 1997 Plants Red List. Since there have been many taxonomic changes for plant species since 1997, careful comparison of the current and 1997 species lists will be needed when combining these results to avoid double-counting.
- 8. Mosses include the true mosses (Bryophyta), the hornworts (Anthoceratophyta), and liverworts (Marchantiophyta).
- 9. The ferns and allies include club mosses and spike mosses (Lycopodiopsida), quillworts (Isoetopsida), horsetails (Equisetopsida) and ferns (Marattiopsida, Polypodiopsida and Psilotopsida).
- 10. Seaweeds are included in the green algae (Chlorophyta, Charophyta), red algae (Rhodophyta), and brown algae (Ochrophytina).
- 11. Many of the decribed species in these groups are not elegible for assessment on the IUCN Red List as they are considered micro-organisms.

Sources for Numbers of Described Species:

Vertebrates

Mammals – Mammal Diversity Database. 2024. v1.13, released 13 Jul 2024. www.mammaldiversity.org. American Society of Mammalogists. Accessed 12 September 2024.

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Reptiles – Based on the figures (as of September 2024) provided by The Reptile Database compiled by Peter Uetz and Jirí Hošek. Available at: http://www.reptile-database.org. Accessed: 12 September 2024. For current total number of species on this website, see http://www.reptile-database.org/db-info/SpeciesStat.html

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Invertehrates

Insects – Roskov Y., Ower G., Orrell T., Nicolson D., Bailly N., Kirk P.M., Bourgoin T., DeWalt R.E., Decock W., Nieukerken E. van, Zarucchi J., Penev L., eds. (2019). Species 2000 & ITIS Catalogue of Life, 2019 Annual Checklist. Digital resource at http://www.catalogueoflife.org/annual-checklist/2019/info/totals. Species 2000: Naturalis, Leiden, the Netherlands. ISSN 2405-884X. Accessed 12 September 2024.

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Corals – Corals fall under the phylum Cnidaria and include subclass Octocorallia, and orders Antipatharia, Corallimorpharia and Scleractinia. The number of described living species reported here are from WoRMS Editorial Board (2023). World Register of Marine Species. Available from https://www.marinespecies.org at VLIZ. Accessed 2024-09-12.

Arachnids (spiders, scorpions, etc) – Note that in previous IUCN Red Lists, this figure was noted as 110,615, based on information from the Catalog of Life. This is now revised down, also based on Catalog of Life but looking at reported number of accepted species names only. Reference: Roskov Y., Ower G., Orrell T., Nicolson D., Bailly N., Kirk P.M., Bourgoin T., DeWalt R.E., Decock W., Nieukerken E. van, Zarucchi J., Penev L., eds. (2019). Species 2000 & ITIS Catalogue of Life, 2019 Annual Checklist/2019. Species 2000: Naturalis, Leiden, the Netherlands. ISSN 2405-884X. Accessed 12 September 2024.

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Horseshoe Crabs (Merostomata) — Class Merestomata excludes the fossil sea scorpions; only four species are extant today: Boxshall G.A. (2019). WoRMS Merostomata: World List of Merostomata (version 2019-03-05). In: Species 2000 & ITIS Catalogue of Life, 2019 Annual Checklist (Roskov Y., Ower G., Orrell T., Nicolson D., Bailly N., Kirk P.M., Bourgoin T., DeWalt R.E., Decock W., Nieukerken E. van, Zarucchi J., Penev L., eds.). Digital resource at www.catalogueoflife.org/annual-checklist/2019. Species 2000: Naturalis, Leiden, the Netherlands. ISSN 2405-884X. Accessed: 12 September 2024.

Others – "Others" includes all of the invertebrate groups listed in Catalog of Life that are not included in the groups listed above. Roskov Y., Ower G., Orrell T., Nicolson D., Bailly N., Kirk P.M., Bourgoin T., DeWalt R.E., Decock W., Nieukerken E. van, Zarucchi J., Penev L., eds. (2019). Species 2000 & ITIS Catalogue of Life, 2019 Annual Checklist. Digital resource at www.catalogueoflife.org/annual-checklist/2019. Species 2000: Naturalis, Leiden, the Netherlands. ISSN 2405-884X. Accessed 04 December 2023).

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