

NDF Support Tool – Table of Life History Data Sources

Dataset	Life history trait					Taxonomic scope
	Adult body size	No. offspring per reproductive event	No. broods/year	Age at maturity	Growth rate	
Databases						
Amniote Life History Database Myhrvold, N. <i>et al.</i> 2015. An amniote life-history database to perform comparative analyses with birds, mammals, and reptiles. <i>Ecology</i> , 96(11), pp.3109-3109. Accessible via https://datarepository.wolframcloud.com/resources/Amniote-Life-History-Database .	✓	✓	✓	✓		Birds; mammals; reptiles
AnAge AnAge Database of Animal Ageing and Longevity (build 15). 2023. Accessible via https://genomics.senescence.info/species/index.html . Accessed on 12 January 2024.	✓			✓		Animals
Coral Trait Database Madin, Joshua (2016). Coral Trait Database 1.1.1. Accessible via: https://coraltraits.org/ . Accessed on 24/01/2024.					✓	Corals
FishBase Froese, R. & Pauly, D. Editors. 2023. FishBase (version 10/2023). Accessible via www.fishbase.org . Accessed on 12 January 2024.	✓					Fish (bony and sharks/rays)
SeaLifeBase Palomares, M. & Pauly, D. Editors. 2023. SeaLifeBase (version 11/2023). Accessible via www.sealifebase.org . Accessed on 12 January 2024.	✓					Aquatic mammals, birds and non-coral invertebrates
World Spider Trait Database (WSTD) Pekár, S. <i>et al.</i> 2021. The World Spider Trait database: a centralised global open repository for curated data on spider traits. [Database 2021: baab064]. Theraphosidae subset accessed via www.spidertraits.sci.muni.cz/ .	✓					Spiders
Scientific literature						
Andersen, S. <i>et al.</i> 2021. Economics, life history and international trade data for seven turtle species in Indonesian and Malaysian farms. <i>Data in Brief</i> , 34, p.106708. https://doi.org/10.1016/j.dib.2020.106708 .		✓	✓	✓		Turtles
British Trust for Ornithology data. Data gaps and opportunities for comparative and conservation biology. <i>PNAS</i> , 16(19), 9658-9664. https://doi.org/10.1073/pnas.1816367116 .		✓	✓			Birds

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	Adult body size	No. offspring per reproductive event	No. broods/year	Age at maturity	Growth rate	
Cooper, E. <i>et al.</i> (2019). Identification of CITES-listed Tarantulas: <i>Aphonopelma</i> , <i>Brachypelma</i> and <i>Sericopelma</i> species. Montreal, Canada: Commission for Environmental Cooperation, p.93.	✓					Tarantulas
Enquist, B. J. <i>et al.</i> 2016. Cyberinfrastructure for an integrated botanical information network to investigate the ecological impacts of global climate change on plant biodiversity. (No. e2615v2). PeerJ Preprints. https://peerj.com/preprints/2615.pdf .				✓		Plants
Gomez-Mestre, I. <i>et al.</i> 2012. Phylogenetic analyses reveal unexpected patterns in the evolution of reproductive modes in frogs. <i>Evolution</i> , 66(12), pp.3687-3700. https://doi.org/10.1111/j.1558-5646.2012.01715.x . Accessed via Conde <i>et al.</i> (2019).		✓				Amphibians
Lislevand, T. <i>et al.</i> 2007. Avian body sizes in relation to fecundity, mating system, display behavior, and resource sharing: Ecological archives E088-096. <i>Ecology</i> , 88(6), pp.1605-1605. https://doi.org/10.1890/06-2054 .	✓	✓				Birds
Meiri, S. 2018. Traits of lizards of the world: Variation around a successful evolutionary design. <i>Global Ecology and Biogeography</i> , 27, 1168–1172. https://doi.org/10.1111/	✓	✓				Lizards
Oliveira, B.F., São-Pedro, V.A., Santos-Barrera, G., Penone, C. and Costa, G.C., 2017. AmphibiO, a global database for amphibian ecological traits. <i>Scientific data</i> , 4(1), pp.1-7. https://doi.org/10.1038/sdata.2017.123 .	✓	✓	✓			Amphibians
PanTHERIA: a species-level database of life history, ecology, and geography of extant and recently extinct mammals. <i>Ecology</i> , 90(9), 2648-2648. https://doi.org/10.1890/08-1494.1 . Accessed via Conde <i>et al.</i> (2019).		✓	✓	✓		Mammals
Rigby, C. & Simpfendorfer, C. 2015. Patterns in life history traits of deep-water chondrichthyans. <i>Deep Sea Research Part II: Topical Studies in Oceanography</i> , 115, pp.30-40. https://doi.org/10.1016/j.dsr2.2013.09.004 .		✓		✓		Deep water chondrichthyans
Roll <i>et al.</i> 2017. The global distribution of tetrapods reveals a need for targeted reptile conservation. <i>Nature Ecology & Evolution</i> , 1, pp. 1677-1682. Accessible via http://www.gardinitiative.org/data.html . Accessed via Conde <i>et al.</i> (2019).		✓	✓			Reptiles
Shine, R. & Charnov, E.L., 1992. Patterns of survival, growth, and maturation in snakes and lizards. <i>The American Naturalist</i> , 139(6), pp.1257-1269. https://doi.org/10.1086/285385 .				✓		Snakes and lizards
Shine, R. & Iverson, J.B., 1995. Patterns of survival, growth and maturation in turtles. <i>Oikos</i> , pp.343-348. https://doi.org/10.2307/3546119 .				✓		Turtles
Tobias, J. <i>et al.</i> 2022. AVONET: morphological, ecological and geographical data for all birds. <i>Ecology Letters</i> , 25(3), pp.581-597. https://doi.org/10.1111/ele.13898 .	✓					Birds

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	Adult body size	No. offspring per reproductive event	No. broods/year	Age at maturity	Growth rate	
Trochet, A. <i>et al.</i> 2014. A database of life-history traits of European amphibians. <i>Biodiversity Data Journal</i> , (2). https://doi.org/10.3897/BDJ.2.e4123 .				✓		Amphibians
Zhang, L. and Lu, X.I.N., 2012. Amphibians live longer at higher altitudes but not at higher latitudes. <i>Biological Journal of the Linnean Society</i> , 106(3), pp.623-632. https://doi.org/10.1111/j.1095-8312.2012.01876.x . Accessed via Conde et al. (2019).				✓		Amphibians