Databases

Mammals-Pantheria (<http://www.esapubs.org/Archive/ecol/E090/184/default.htm>)

Plants

TRY ([www.try-db.org](http://www.try-db.org))

* Maintained by DIVERSITAS, IGBP, the Max Plank Institute for Biogeochemistry, and an international advisory board
* Data available upon request
* 121 datasets, including original datasets of unpublished and published data and databases like LEDA, GlopNET, BiolFlor, SID, EcoFlora
* ~3 million trait entries for ~69,000 plant species and ~750 traits
* <http://www.try-db.org/de/Datasets.php>

BiolFlor (<http://www2.ufz.de/biolflor/index.jsp>)

* 3660 species, 60 traits
* Flora in Germany
* Floristic status; chromosome number, ploidy levels, DNA content; phylogeny; morphology of vegetative organs; flowering phenology; floral and reproductive traits; traits of seeds, fruits, dispersal units and germination units; ecological strategy types; indicator values for grassland species; geographic ranges; anthropogenic influence on vegetation; habitat and formation

Ecological Flora of the British Isles (<http://www.ecoflora.co.uk/>)

* University of York, Dr. Helen Peat and Prof. Alastair Fitter
* 3842 species of higher plants in the British Isles
* Data are obtained from the literature and the information varies between species
* Information on taxonomy and more than 130 ecological and morphological characteristics
* Also contains information on associated fungi and insects

Fish

FishTraits (<http://www.fishtraits.info/FishTraits/>)

* US, conterminous 48 only
* Maintained by Dr. Emmanuel A. Frimpong & Dr. Paul L. Angermeier of Virginia Tech
* >100 traits for 809 (731 native and 78 exotic) freshwater fish
* 4 trait categories:
  + Trophic and ecology
  + Body size and reproductive ecology (life history)
  + Habitat associations
  + Salinity and temperature tolerances
* References: <http://www.fishtraits.info/FishTraits/Documents/DataRef.pdf>

Freshwater Biological Traits Database (<http://cfpub.epa.gov/ncea/global/recordisplay.cfm?deid=234484>)

* US Environmental Protection Agency
* US only
* Access to database is password protected. The username and password are given, but I still couldn’t get access.
* Traits include habitat, life history, mobility, morphology, and ecological traits

Freshwater Ecology (<http://www.freshwaterecology.info/about.php>)

* Europe
* Taxa and autecology database
* Not traits, but maybe useful

FishBase (http://www.fishbase.org/search.php)

* Global
* 32,500 species
* Information includes description of ecology, size, morphology, distribution, and biology
* All fish species, marine and freshwater

Life History trait diversity of native freshwater fishes in North America

* Mims et al. 2010. Ecology of Freshwater Fish 19: 390-400. Developed trait database
* US and Canada
* 1054 species of freshwater fish
* References available upon request from JDO

Invertebrates

Lotic Invertebrate Traits (http://pubs.usgs.gov/ds/ds187/)

* North America
* Maintained by the USGS
* <http://pubs.usgs.gov/ds/ds187/htodcs/InvertTraitsTable_v1.txt>