

## Maps used in TEMS

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### **Bailey**

The Bailey Ecoregions is a consistent approach to ecosystem classification and mapping at multiple geographic scales developed by the USDA Forest Service. The Ecoregions of the Continents characterize global potential natural vegetation. Maps and descriptions of each of the four levels of the ecological units can be found at [http://www.fs.fed.us/land/ecosysgmt/ecoreg1\\_home.html](http://www.fs.fed.us/land/ecosysgmt/ecoreg1_home.html).

### **Udvardy**

A classification of Biogeographical zones was proposed by Dr. Miklos Udvardy in his paper for IUCN and UNESCO in 1975, with intended use as a unified system for Biogeographical and conservation purposes. Biogeographical realms are defined as continental or subcontinental-sized areas having unifying features of geography and fauna/flora/vegetation, and correspond to the terms "kingdom" for the florist and "region" for the faunist. Biogeographical provinces are defined as ecosystematic or biotic subdivisions of the realms (floral "regions" and faunal "provinces"). See <http://www.grid.unep.ch/data/grid/ecological.php> (Ecological/life zones).

### **Hodridge**

The Holdridge Life Zones of the World are a combination of climate and vegetation (ecological) types, under current, so-called "normal" climate conditions, as well as under a presumed doubling of atmospheric CO<sub>2</sub>. The Life Zones were devised using three indicators: biotemperature (based on the growing season length and temperature); mean annual precipitation; and a potential Evapotranspiration ratio, linking biotemperature with annual precipitation to define humidity provinces. See <http://www.grid.unep.ch/data/grid/ecological.php> (Ecological/life zones).

### **Olson**

The Olson map represents the world's Major Ecosystem Complexes ranked by the amounts of carbon in live vegetation. It was compiled by Jerry Olson, J. Watts and L. Allison at the Environmental Sciences Division of the Oak Ridge National Laboratory in Tennessee, USA. See <http://www.grid.unep.ch/data/grid/gnv1.php> (biodiversity).