

# Datasets Useful for Circumboreal Vegetation Mapping Project

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## Abstract

There are a number of available databases that could be used to support the circum-boreal vegetation mapping project. The databases are of three general types: those that are provided as one contiguous data set; those that are either provided on a continental or regional basis; and those that are of landscape levels. Those that are provided as contiguous global datasets include data from the United Nations Environment Programme (UNEP), Global Resource Information Database (GRID) global datasets; the NASA Goddard Space Flight Center, Global Change Master Directory; the International Research Institute (IRI) for Climate and Society, Data Library; and the U.S. Geological Survey, Global Land Cover Characterization dataset and its counterpart, the Global Land Cover Characteristics Data Base. Associated global data sets of interest may also include information on different climate variables, such as that provided by National Ocean and Atmospheric Administration, National Climate and Data Center. Other databases provide information on more continental or regional areas such as the United Nations Economic Commission for Europe (UNECE), Forest Resources Assessment (regional to global assessments); Environment Canada, State of the Environment INFOBASE, and Earth Observations Data Service; Global Forest Watch (circumboreal regional maps); Centre National De La Recherche Scientifique (CNRS; phenology over European forests); NATO International Scientific Exchange Programmes (Norwegian-Russian Border area), and UNEP World Conservation Monitoring Centre (UNEP-WCMC; circumboreal regional maps). In addition to static datasets, there exists a large number of satellite image databases that could be used, including global data holdings of Landsat and Advanced Very High Resolution Radiometer (AVHRR) imagery, both accessible through the U.S. Geological Survey, Earth Resources Observation Systems Data Center; and Moderate Resolution Imaging Spectroradiometer (MODIS) imagery, available through NASA.

A brief description of each of the above databases and URL links will be provided in the workshop presentation.

**Keywords:** Datasets, imagery, circumboreal, forests, landcover, AVHRR, MODIS, LANDSAT.