

Global Network of Isotopes in Precipitation

<http://www-naweb.iaea.org/napc/ih/index.html>

The Global Network of Isotopes in Precipitation (GNIP) provides stable hydrogen and oxygen isotopes and tritium concentration (on selected stations) in precipitation all around the world. The data available dates back from 1961 and provide monthly composites of the isotope values for each station. The network is comprised of 125 countries and a number of more than 1000 sampling stations that work in cooperation with the World Meteorological Organization (WMO). The isotopic values are obtained from analysis of the samples that is usually carried out at the Isotope Hydrology Laboratory of the IAEA located in Vienna, Austria but can also be held in other selected laboratories. Along with the isotopic data, basic meteorological information is included for each location such as: precipitation amount, precipitation type, temperature and vapor pressure. To obtain the data, one must use a special GIS based application (WISER) for which one must be a registered user. However, both registering and obtaining the various types of data is completely free of charge to the general public. At the provided site link other types of important isotopic data can also be obtained: Global Network of Isotopes in Rivers (GNIR) and Moisture Isotopes in the Biosphere and Atmosphere (MIBA).