

Carbonate CZ-RCN Potential Data Processing Tools

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Python Packages specifically for hydrology and groundwater:

- **pyEMU:** Python modules for model-independent uncertainty analyses, data worth analyses, and interfacing with PEST(++):
 - [pyEMU Github Link](#)
- **Welltestpy:** Provides a framework to handle, process, plot, and analyze data from well-based field campaigns:
 - [Welltestpy Github Link](#)
- **WellRadPy:** Calculates the radius of influence and investigation of pumping wells:
 - [WellRadPy Github Link](#)
- **PyHELP:** Used to estimate spatially distributed GW recharge and more (runoff and ET) using the HELP (Hydrologic Evaluation of Landfill Performance) model by integrating weather data, land conditions, and geological material properties into HELP input files:
 - [PyHELP Github Link](#)
- **Pastas:** Python framework for the analysis of hydrological time series:
 - [Pastas Github Link](#)
- **Hydropy:** Analysis of hydrological oriented time series designed to simplify the collection and analysis of hydrology data, and quickly process large data sets and create publication-ready figures:
 - [Hydropy Github Link](#)
- **Hydrostats:** Hydrology tools for comparison studies such as processing and visualization tools, and access to over 70 error metrics:
 - [Hydrostats Github Link](#)
- **Htimeseries:** Layer on top of Pandas offering more functionality for hydrological and meteorological time series:
 - [Htimeseries Github Link](#)
- **PyHIS:** Python library enabling the retrieval of time series water data from WaterOneFlow/WaterML:
 - [PyHIS Link](#)
- **Hydrofunctions:** Retrieves stream data from the USGS NWIS service:
 - [Hydrofunctions Github Link](#)
- **Script for Piper plots:** [Link](#)
 - *And in Arc:* [Link](#)
- **Script for Stiff plots:** [Link](#)