We present the Python package \textit{MTpy}, which provides functions for the processing, analysis, and handling of magnetotelluric (MT) data sets.

MT is a relatively immature and not widely applied geophysical method in comparison to other geophysical techniques such as seismology. As a result, the data processing within the academic MT community is not thoroughly standardised and is often based on a loose collection of software, adapted to the respective local specifications. We have developed \textit{MTpy} to overcome problems that arise from missing standards, and to provide a simplification of the general handling of MT data.

\textit{MTpy} is written in Python, and the open-source code is freely available from a GitHub repository. The setup follows the modular approach of successful geoscience software packages such as GMT or Obspy. It contains sub-packages and modules for the various tasks within the standard work-flow of MT data processing and interpretation. In order to allow the inclusion of already existing and well established software, \textit{MTpy} does not only provide pure Python classes and functions, but also wrapping command-line scripts to run standalone tools, e.g. modelling and inversion codes.

Our aim is to provide a flexible framework, which is open for future dynamic extensions. \textit{MTpy} has the potential to promote the standardisation of processing procedures and at same time be a versatile supplement for existing algorithms.

Here, we introduce the concept and structure of \textit{MTpy}, and we illustrate the workflow of MT data processing, interpretation, and visualisation utilising \textit{MTpy} on example data sets collected over different regions of Australia and the USA.