

# OpenQuake Toolkits

## OQ Strong Motion Toolkit

The OQ Strong Motion Toolkit (oq-smtk) is a software library containing methods for the basic analysis of strong motion recordings and for the selection of ground motion prediction equations.

### Documentation

- The oq-smtk User's Guide is available at the following link:  
[https://github.com/GEMScienceTools/gmpe-smtk-docs/blob/master/gmpe\\_smtk\\_guide.pdf](https://github.com/GEMScienceTools/gmpe-smtk-docs/blob/master/gmpe_smtk_guide.pdf)

## OQ Hazard Modeller's Toolkit

The OQ catalogue Toolkit (oq-hmtk) is a software library with methods for building the Earthquake Source Model component of a PSHA input model. The oq-hmtk supports three main workflows for building earthquake sources:

- Seismicity
- Geology
- Geodesy and tectonic modelling

### Documentation

- The oq-hmtk User's Guide is available at the following link:  
[https://github.com/GEMScienceTools/hmtk\\_docs/blob/master/hmtk\\_tutorial.pdf](https://github.com/GEMScienceTools/hmtk_docs/blob/master/hmtk_tutorial.pdf)

## OQ Catalogue Toolkit

The OQ catalogue Toolkit (oq-cttk) is a software library containing methods for homogenising a suite of heterogeneous earthquake catalogues.

## OQ Site Response Toolkit

The OQ Site Response Toolkit (oq-srtk) will be a software library containing methods for the analysis of site response using empirical and numerical.

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