

Application User Guides

This section of the EPISODES Platform Documentation contains user guides dedicated to individual Applications. For general instructions on applications use, please see [Applications quick start guide](#). To access the applications on the EPISODES Platform, please use this direct link: <https://episodesplatform.eu/#apps>:

The following list contains the current application portfolio of the EPISODES Platform, divided into categories. Each entry is a link to a user guide describing usage of the application.

- **Converters**
 - [Catalog to CSV converter user guide](#)
 - [Catalog to Vectors converter user guide](#)
 - [CSV to Catalog converter user guide](#)
 - [CSV to GDF converter user guide](#)
 - [GDF to CSV converter user guide](#)
 - [GDF to Vectors converter user guide](#)
 - [Seed converters user guide](#)
 - [SEED to Network Inventory converters user guide](#)
- **Download Tools**
 - [Signal download tool user guide](#)
 - [Waveform download tool user guide](#)
- **Exploratory Statistical Analysis**
 - [Anderson-Darling test for exponentiality of inter-event time user guide](#)
 - [Anderson-Darling test for magnitude distribution user guide](#)
 - [Autocorrelation user guide](#)
 - [Cluster Analysis](#)
 - [Coefficient of Radomness user guide](#)
 - [Completeness Magnitude Estimation user guide](#)
 - [Cross Correlation user guide](#)
 - [Earthquake interactions: Georesource scale user guide](#)
 - [Earthquake interactions: Mainshock scale user guide](#)
 - [Earthquake swarm \(reshuffling analysis\) user guide](#)
 - [Maximum Magnitude Deterministic/Probabilistic Models](#)
 - [Priestley-Subba Rao \(PSR\) test user guide](#)
 - [Test for multimodal magnitude distribution user guide](#)
 - [Time correlated earthquakes \(Seasonal trends\) user guide](#)
- **Hazard and Risk Analysis**
 - [Coda Wave Interferometry detection of velocity changes user guide](#)
 - [Estimate of maximum possible magnitude for reservoir triggered seismicity user guide](#)
 - [Estimation of source parameters in time-varying production parameters geometry user guide](#)
 - [Ground Motion Prediction Equations user guide](#)
 - [MERGER: Dynamic risk analysis using a bow-tie approach](#)
 - [Stationary Hazard user guide](#)
 - [Stress and strain changes induced by fluid injection and temperature change driven by geothermal injection user guide](#)
 - [Time dependent hazard in mining front surroundings user guide](#)
 - [Time dependent hazard in selected area user guide](#)
- **Reconstruction tools**
 - [Catalog Editor user guide](#)
 - [Catalog Filter user guide](#)
 - [Catalog Merger user guide](#)
 - [Magnitude Conversion user guide](#)
 - [Parameters Catalog builder user guide](#)
 - [Time Series Builder user guide](#)
 - [Transformation to Equivalent Dimensions](#)
- **Source and Shaking Parameters Estimation**
 - [FOCI user guide](#)
 - [Localization user guide](#)
 - [Mechanism: Full Moment Tensor user guide](#)
 - [Mechanism: Shear slip user guide](#)
 - [Mechanism: Shear-Tensile crack user guide](#)
 - [P and S Waves Detection Tool user guide](#)
 - [P Wave Detection Tool user guide](#)
 - [Response Spectra user guide](#)
 - [Seismic Catalog Recalculation user guide](#)
 - [Seismogram picking tool user guide](#)
 - [Spectral Analysis user guide](#)
 - [Template-Matching based Detection Algorithm user guide](#)
 - [Waveform-based seismic event location user guide](#)
- **Stress Field Modeling**

- [Effective stress drop estimate user guide](#)
- [Stress Inversion user guide](#)
- [Visualizations](#)
 - [Fracture Network Models - Mechanical Stresses user guide](#)
 - [Front Advance Histogram user guide](#)
 - [GDF with Seismic Activity data visualization user guide](#)
 - [GDF with Seismic Activity histogram data visualization user guide](#)
 - [Seismic Activity with Front Advance user guide](#)