USArray

The **Flexible Array** is a pool of portable seismic instruments supported by the Array Operations Facility at the PASSCAL Instrument Center. The instruments are available for PI-driven research projects associated with the goals of **EarthScope**. The pool consists of broadband (325), short-period (100), accelerometer (20), and controlled source (1700) stations.

- View a network map of FA stations
- View a list of FA stations

The **Transportable Array** is a telemetered network of 400 broadband stations. The array is being deployed in a uniform, rolling grid with 70 km spacing. Each station has a residency time of two years, after which the station is moved to the eastern edge of the array.

- View a network map of past and present TA stations
- View a list of all operating TA stations
- View a network map of all operating TA stations

**USArray**, which is part of the EarthScope experiment, is a 15-year program to place a dense network of permanent and temporary seismographs across the continental United States. The seismographs record the energy released by earth movements, from the rumbling of cars on the highway to the seismic waves released by the hundreds of earthquakes that occur around the world every day.

By analyzing the records of earthquakes obtained from this dense grid of seismometers, scientists can learn about Earth structure and dynamics and the physical processes controlling earthquakes and volcanoes.

Related categories: **Flexible Array (FA)**  **Transportable Array (TA)**  **USArray**

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