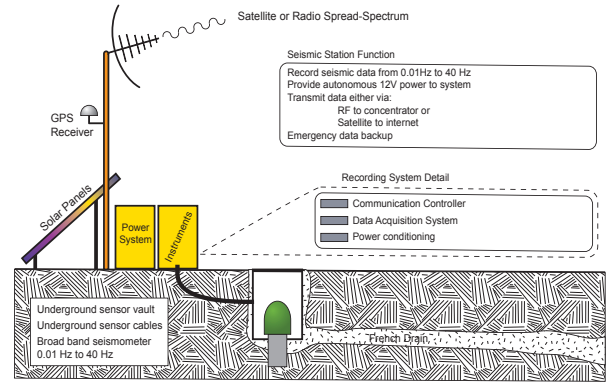
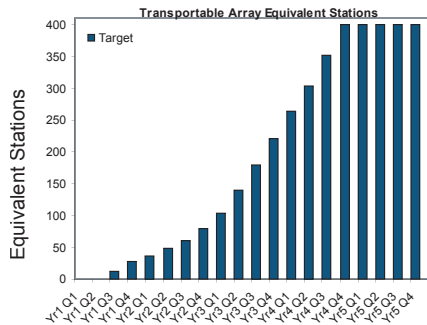


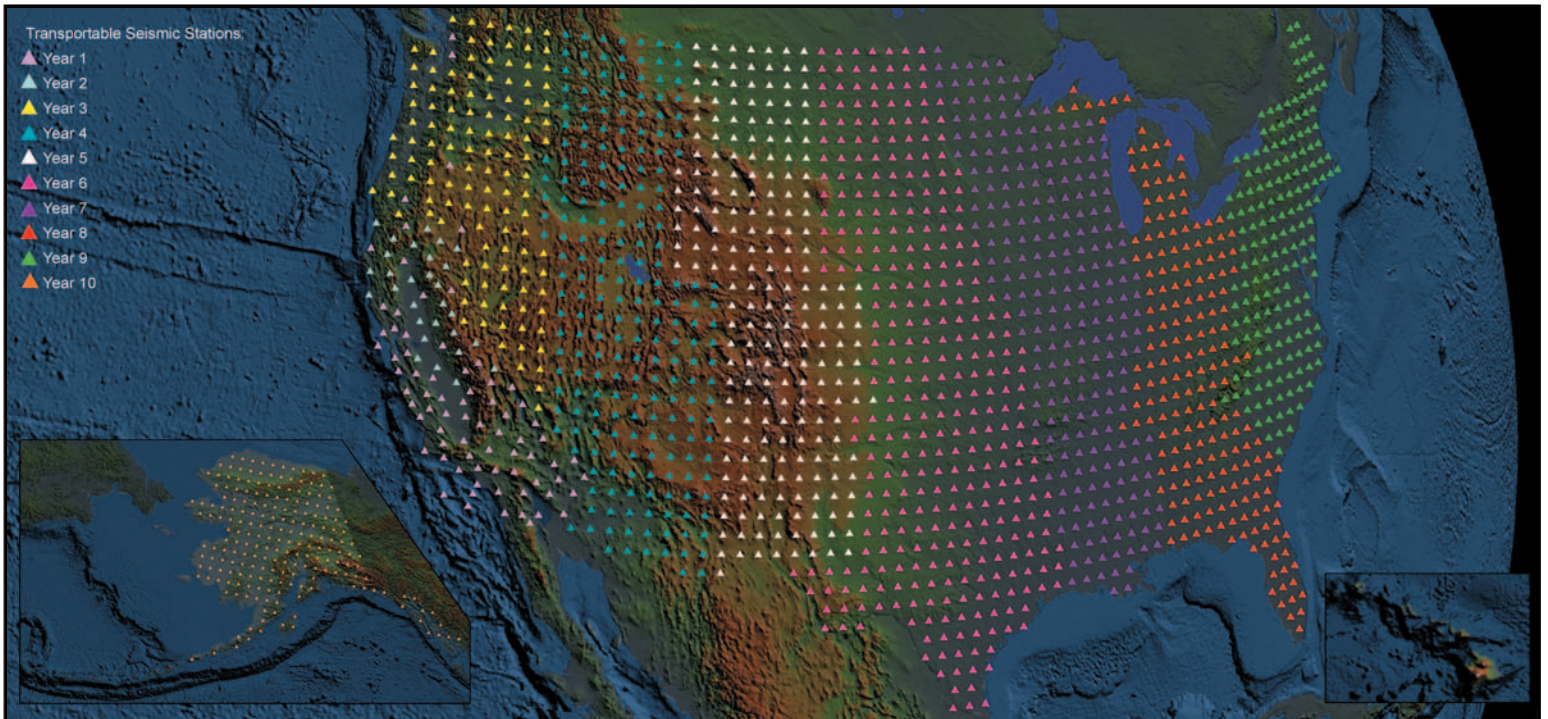
# Transportable Seismic Network:

## Imaging the Earth's Interior

EarthScope is installing a dense array of seismometers across the continental United States and Alaska. The seismometers will record local, regional, and teleseismic earthquakes to produce high-resolution images of the Earth's interior from the crust to the core and to study the origin and characteristics of earthquakes and earthquake faults. EarthScope scientists will integrate these images with a diversity of geological data to address unresolved issues of the continental structure, evolution, and dynamics.



The array will consist of 400 transportable broadband seismic stations that will advance across the country in a roll-along fashion. The stations will have an average residence time of 18-24 months to cover 2000 locations over a period of 10-12 years. With a station spacing of ~70km, the array will provide unprecedented coverage for producing 3-D images of the Earth's interior and new insights into the earthquake process.



High-resolution photos and illustrations with captions and credits are available for media use through the EarthScope office.