

IRIS Active Earth Monitor EarthScope Content Module and Kiosk Loan Program

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The Active Earth Monitor (AEM) is an interactive computer-based display for university lobbies, museums, visitor centers, schools and libraries. AEM runs in a standard Internet web browser in full screen mode. The display consists of a customizable set of content pages about plate tectonics, earthquakes, volcanoes and tsunamis. Low-cost and simple-to-implement, the Active Earth Monitor provides a way to engage audiences with earth science information without spending resources on a large exhibit.

The EarthScope Active Earth Monitor content set highlights the connections between the landscape, the research, and monitoring being conducted by EarthScope in partnership with regional monitoring networks.

The EarthScope content consists of chapters that focus on What is EarthScope?, Where is EarthScope?, EarthScope Observatories, and EarthScope Research Results. Content topics are easily explored using a web page button type navigation interface via a touch screen or mouse.

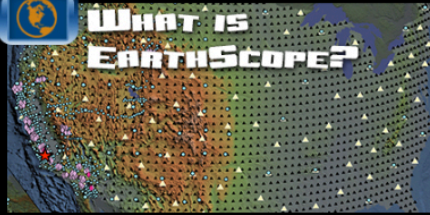
Chapters in the modules start with a general overview and proceed to detailed specifics. Each chapter utilizes at least one set of live or near real-time research data (often more than one). This exposes the general public to active ongoing research that is engaging, relevant to the individual user, and explained in easy to understand terms. All live content is updated each time a user accesses the individual page displaying the live data.

All scientific terms are defined using pop-up boxes. Leading questions are presented allowing the user to examine the content before accessing the answer via pop-up box. Diagrams and charts of research data have explanatory keys that allow users to self explore all content.

The IRIS Active Earth Monitor Kiosk Loan Program is loaning exhibit ready, floor standing touch screen kiosks to museums, K-12 schools, Universities, and State Geologist Offices located within the current footprint of EarthScope's USArray Temporary Array. Kiosks are loaned for a one-year period. Eleven kiosks will be on loan in 2013 in states ranging from Ohio to Florida to Pennsylvania. The kiosks will be running the EarthScope Content set. The combined annual attendance at the institutions with a kiosk on loan is over 2.9 million visitors.



WHAT IS EARTHSCOPE?



EarthScope is an earth science program that is exploring the structure and evolution of the North American continent.



WHERE IS EARTHSCOPE?

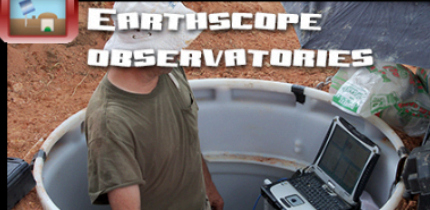


Where are EarthScope instruments collecting data?

EXPLORING THE NORTH AMERICAN CONTINENT



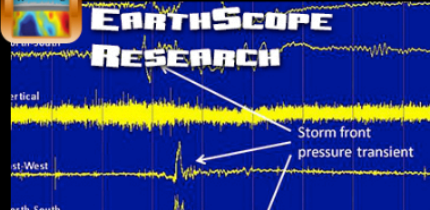
EARTHSCOPE OBSERVATORIES



Three EarthScope observatories explore the North American continent using GPS receivers, seismometers, strainmeters, and by digging into an active fault zone.



EARTHSCOPE RESEARCH



EarthScope's instruments are helping answer some of the outstanding questions in Earth Science.