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### [Earthquake clouds and short term prediction](#)

This website on **Earthquake** Clouds and Short Term **Prediction** is run and maintained by Zhonghao Shou, New York. The website contains an introduction and historical background to the theory of **earthquake** predictions by cloud formation. Sections of the site include: reports on past earthquakes in different parts of the globe; new predictions (including satellite images of **earthquake** clouds); publications and news; together with references and links.

<http://quake.exit.com/>

### [Research Center for Earthquake Prediction](#)

This is the website of the Research Center for **Earthquake** Prediction, at the Disaster Prevention Research Institute, Kyoto University. The current research activities are concerned with plate tectonics and its relationship to regional and global structures. Three-dimensional global and regional structures of the Earth are investigated using measurements of the travel time, dispersion and attenuation of body and surface waves. Also, investigations of the slab penetration, mantle convection, the driving force of plate tectonics and the monitoring of crustal movements for **earthquake prediction** are undertaken. The website includes information about the research centre, details of recent seismicity in the Kinki district, and information on the 1995 Hyogo-ken Nanbu earthquake.

<http://www.rcep.dpri.kyoto-u.ac.jp/main/HomeE.html>

### [Earthquake Prediction Based on Electrical Signals](#)

The 'Earthquake **Prediction** Based on Electrical Signals' website, run by Dr C Thanassoulas at the Institute of Geology and Mineral Exploration, Department of Geophysical Research, Athens, aims to develop new radical deterministic ideas on **earthquake** prediction, in contrast to those stochastic ones that exist today. The site offers information on aspects of **earthquake** research and **earthquake** predictions.

<http://www.earthquakeprediction.gr/indexen.htm>

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<http://www.earthquakeprediction.gr/indexen.htm>

### Earthquake prediction and control : natural disasters : Earth and Environmental Sciences 204



Notes are provided on **earthquake** prediction, covering long-term forecasting (palaeoseismology, seismic gaps), short-term **prediction** and **earthquake** precursors, and the possibility of future **earthquake** control. This lecture is part of the course entitled "Earth and Environmental Sciences 204 : Natural Disasters" created by Professor Stephen A Nelson of the Department of Earth and Environmental Sciences, Tulane University, New Orleans. The lecture notes are provided in HTML format and PDF format (the latter requiring the use of Adobe Reader software).

<http://www.tulane.edu/~sanelson/geol204/eqprediction&cntrl.htm>

### Earth : All Stressed Out : Savage Earth



This is a web page which forms part of the Savage Earth Online website constructed by Public Broadcasting Service (PBS) USA. The page provides information on a range of aspects of earthquakes including; an article introducing the subject, learning from earthquakes, **earthquake prediction** and planning ideas for **earthquake** preparation. These pages are written by experts in **earthquake** research and the text is supported with illustrations. This site also provides a series of links focusing on tsunamis and volcanic hazards. The site is said to be best 'when viewed using Netscape 3.0 or above, or Internet Explorer 3.0 or above, on Macintosh, Windows 95 or Windows 3.1'.

<http://www.wnet.org/savageearth/earthquakes/index.html>

### Southern California Earthquake Center (SCEC)



The Southern California **Earthquake** Center (SCEC) coordinates research on **earthquake** hazards, mostly from California, and communicates this **earthquake** information to the public. SCEC is one of 28 National Science Foundation Science and Technology Centers. SCEC is co-funded by the United States Geological Survey (USGS). It comprises a community of scientists at 33 academic institutions mainly based in California.

<http://www.scec.org/>

### Earthquake Research Institute (ERI)



This comprehensive website from the **Earthquake** Research Institute, University of Tokyo includes information on most aspects of **earthquake** research with an emphasis on the effects of earthquakes in Japan. It includes sections on earthquakes and volcanoes, news, research, a database, publications and links both to many Japanese **earthquake** sites and those worldwide.

<http://www.eri.u-tokyo.ac.jp/>

### Earthquake preparedness information : Earthquake Hazards Program, Northern California



This Web page created by the USGS (United States Geological Survey) concentrates on the causes, nature and hazards of earthquakes given certain conditions with case studies in California, USA. The page also provides series of links which include: predicting earthquakes, shaking hazards maps, intensity mapping, liquefaction and soil type relationships, **prediction** of earthquakes, recent and significant earthquakes of past and present, together with information about the Hazard Preparedness Programme and

National Hazard Center, USA.

<http://quake.wr.usgs.gov/prepare/hazards.html>

### Earthquake facts

 Details  

This site is composed by the Center for **Earthquake** Research and Information (CERI) at the University of Memphis, USA. It provides the user with a range of **earthquake** related information available through a series of links from this main page. The topics covered by the site include; recent **earthquake** information, earthquakes facts and fiction, how to survive an earthquake, earthquakes as a hazard (available in long and short versions) and series of myths about earthquakes. This last section includes the history of **earthquake** study and human perceptions. The site provides definitions and each link contains descriptions often using illustrations to relay the main points of interest.

<http://www.ceri.memphis.edu/public/>

### World-wide earthquake locator

 Details  

The World-Wide **Earthquake** Locator is an interface originally developed as an illustration of what is possible using the World Wide Web. In response to a query, the data is dynamically accessed from a United States Geological Survey (USGS) server in Colorado. The data is then processed into an appropriate format in Edinburgh and finally displayed using a mapping service based in Edinburgh (in the original version this was based in California). The aim is "to provide up-to-date information and detailed dynamic maps of earthquakes across the world within a maximum of 24 hours of their occurrence". Access is also provided to: an **earthquake** analysis and **prediction** site, a dynamic historical **earthquake** catalogue, and a brief note on earthquakes.

<http://tsunami.geo.ed.ac.uk/local-bin/quakes/maps/script/home.pl>

### Earthquakes : Introduction to Geology : GEO 101-02

 Details  

The basic principles of earthquakes are outlined in these notes which are taken from an 'Introduction to geology' course (Geology 101-03) at the University of Alabama Department of Geological Sciences. They cover: seismic observations and seismic waves; **earthquake** locations and measurements; destructive effects of earthquakes; **earthquake** prediction; and the structure of the Earth.

<http://www.geo.ua.edu/intro03/quakes.html>

### Benchmark Glaciers

 Details  

The United States Geological Survey (USGS) operates a long-term 'benchmark' glacier programme which monitors climate, glacier geometry, glacier mass balance, glacier motion, and stream runoff. The data collected are used to understand glacier-related hydrologic processes and improve the quantitative **prediction** of water resources, glacier-related hazards, and the consequences of climate change. Monitoring is undertaken at three basins: Gulkana and Wolverine glaciers in Alaska and the South Cascade glacier in Washington State. This site provides data from the programme; maps, photographs and reports for the Gulkana glacier; and reports for the South Cascade glacier. Information is also provided on the Hubbard glacier (Alaska) and the glacier effects of the Denali fault earthquake.

<http://ak.water.usgs.gov/glaciology/>

### International Frontier Research Group on Earthquakes

 Details  

This is the website of the International Frontier Research Group on Earthquakes. The main objectives of the group are **earthquake prediction** in the short term. Also recognising the importance of electromagnetic precursors to earthquakes, the group aims at systematic research into the electromagnetic precursors in varied frequency ranges and clarification of their physical mechanisms. The website includes research summaries. The site is also available in Japanese.

<http://yochi.iord.u-tokai.ac.jp/eprc/eng/>

### Geologic Hazards and the Environment : 15 : Earth, Our Environment

 Details  

This class note gives information on geological hazards and their environmental impact. It includes notes on **earthquake** hazards and prediction, tsunamis, landslides, primary and secondary volcanic hazards, floods, river management and human impact,

subsidence, the greenhouse effect and ozone depletion. This resource was prepared by Charles J Ammon of the Department of Geosciences, Penn State University.

<http://eqseis.geosc.psu.edu/~cammon/HTML/Classes/PhysicalGeology/Notes/Chap>

### Parkfield, California, Earthquake Experiment



The Parkfield Experiment, which began in 1985, is a long-term **earthquake** research project on the San Andreas fault led by the United States Geological Survey (USGS) and the State of California. It aims to increase understanding of the physics of earthquakes and thus to provide a scientific basis for **earthquake** prediction. "These pages describe the scientific background for the experiment, including the tectonic setting at Parkfield, the historical **earthquake** activity on this section of the San Andreas fault, the monitoring and data collecting activities currently being carried out, and plans for future research. Data are available to view in real-time and download."

<http://earthquake.usgs.gov/research/parkfield/index.php>

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<http://www.wnet.org/savageearth/earthquakes/>

### Anticipating Earthquakes



This Web page produced by NASA focuses on **earthquake prediction** and the current methods used to predict future earthquakes. The text is supported with colour images, diagrams and clickable links to further information. The site also provides a series of links to related websites. The information is also provided in streaming audio format which requires Windows Media Player to use.

[http://science.nasa.gov/headlines/y2003/11aug\\_earthquakes.htm](http://science.nasa.gov/headlines/y2003/11aug_earthquakes.htm)

### International Frontier Research Group on Earthquakes (IFREQ)



This is the website of the International Frontier Research Group on Earthquakes, hosted by the **Earthquake Prediction** Research Center, at Tokai University, Japan. The main objectives of the centre are **earthquake prediction** in the short term and recognition of the importance of electromagnetic precursors to earthquakes, 'the project aims at systematic research on them in varied frequency ranges and clarification of their physical mechanisms through cooperation with sister STA **Earthquake** Frontier Programs at NASDA, JNC, and JAMSTEC and experts around the world'. The site is available in both English and Japanese.

<http://yochi.iord.u-tokai.ac.jp/eprc/eng/>

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