

➤ **General web sites on disaster prevention and preparedness**

I) Natural disasters on the web

a) General knowledge

- ❖ Natural disasters include various climatic and seismical events such as earthquakes, volcanoes, landslides, mass movements, droughts, wildfires, tsunamis, floods, tropical storms and cyclones.

Database, satellite images, maps, historical events

<http://www.gesource.ac.uk/hazards/>

<http://www.em-dat.net/>

<http://ndrd.gsfc.nasa.gov/>

<http://www.itc.nl/unu/djim/unedra/default.asp>

www.gtz.de/srilanka

Encyclopedia, natural disasters

http://en.wikipedia.org/wiki/Natural_disaster

Maps, atlas, Canada

<http://atlas.nrcan.gc.ca/site/francais/maps/environment/naturalhazards>

Natural disaster, daily news, disaster prevention

<http://www.catnat.net/>

<http://www.interragate.info/cogss/index.html>

Photo library, natural disasters

<http://libraryphoto.cr.usgs.gov/>

- **Other approaches to damage prevention and preparedness**, Mobilising complementary approaches to preparedness and prevention, Viet Nam

http://www.dwf.org/vietnam/preventdamage/r_response.htm

German Committee for Disaster reduction

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

b) Natural disaster chronology

- ❖ Natural disasters have deeply affected human beings for ages causing dramatic impact on population and infrastructures.

Chronology, historical events, natural disaster damages

http://www.linternaute.com/histoire/categorie/117/a/1/2/histoire_des_catastrophes_naturelles.shtml

<http://www.scaruffi.com/politics/disaster.html>

<http://www.drought.unl.edu/kids/>

c) Geographical situation and frequency

- ❖ Natural disasters may occur in any country around the globe.

Cartography, volcanoes, cyclones, earthquakes

<http://www.ladocumentationfrancaise.fr/dossiers/catastrophes-naturelles/carte-risques.shtml>

- ❖ Lists of the deadliest natural disasters: Floods are the most deadly types of natural disasters and the worst ten disasters occurred in Asia. Asia-Pacific counts 85% of the victims in the world for the 20th century. Bangladesh, China, India, Indonesia, Iran, Japan, New Zealand, Philippines and Vietnam are the countries where the major natural disasters occurred during the past century. Moreover it seems that the most deadly natural disasters seem to occur in the same places over and over.

Floods, tropical cyclones, tsunamis, earthquakes, landslides, tornadoes, volcanoes, human losses, Asia-Pacific

<http://www.eas.slu.edu/hazards.html>

<http://www.answers.com/topic/list-of-deadliest-natural-disasters>

<http://www.tsunamiwave.info/>

<http://www.eidesign.net/tsunami/>

- ❖ Developing countries are the most affected due to their geographical situation but also because of the lack of early warning, the anarchic development of towns and land clearing which induces floods and landslides.

Developing countries, disaster-prone areas, towns, tsunamis, political management

<http://mondediplo.com/2005/01/01tsunami>

Natural disasters

<http://www.catnat.net>

d) Natural disaster increase

- ❖ Statistics reveal an exponential increase in climatic disasters for the past 20 years, linked to climate change.

Natural disaster increase, maps, graphics, coastal areas, floods, cyclones, landslides, climate change, sustainable development

http://maps.grida.no/go/graphic/trends_in_natural_disasters

<http://maps.grida.no/go/searchFree/q/disaster%20OR%20disasters/page/1>

II) Scientific knowledge, research and technology

a) Earth observation

- ❖ *Many sites on scientific research and technology can be used to learn even more about natural disasters, and especially on the way mankind can prevent and mitigate them.*

Satellite, risk assessment, forecasting, disaster warning, climate monitoring

http://earth.esa.int/applications/data_util/

Research, disaster mitigation, disaster recovery, sharing of information, disaster education, Colorado

<http://www.colorado.edu/hazards/>

Meteorological satellite, geophysical data, disaster mitigation

<http://www.osei.noaa.gov/>

<http://www.ngdc.noaa.gov/seg/hazard/>

Meteorological prevision, tropical cyclones, Atlantic, Caribbean Sea

<http://www.nhc.noaa.gov/>

Research, natural disaster education, earthquake

<http://mceer.buffalo.edu/education/default.asp>

<http://mceer.buffalo.edu/infoservice/bibs/earthquakehandout.asp>

http://www.iiees.ac.ir/English/Publicedu/eng_pubedu_publications.html

Hawaii, volcanology, satellite information

<http://eos.higp.hawaii.edu/>

Philippines, volcanology, seismology

<http://www.phivolcs.dost.gov.ph/>

Italy, volcanology, Etna, Stromboli

http://vulcan.fis.uniroma3.it/index_ita.shtml

Australia, seismology, research

<http://www.seis.com.au/>

Switzerland, avalanche safety, physics of avalanche

<http://www.slf.ch/welcome-de.html>

Natural disasters

<http://www.catnat.net>

<http://www.whatstheplanstan.govt.nz/>

<http://www.ifrc.org/publicat/wdr2005/chapter2.asp>

b) Construction engineering

- ❖ Construction engineering is one of the first strategy to reduce the impact of natural disasters.

Earthquake-resistant engineering, building materials

http://www.devalt.org/newsletter/may01/of_10.htm

<http://mceer.buffalo.edu/infoservice/faqs/asdesign.asp>

<http://www.vuw.ac.nz/architecture/research/ehc/>

Earthquake-resistant school desks

<http://www.gizmodo.com/gadgets/gadgets/household/earthquake-resistant-school-desks-031052.php>

III) Risk Management

a) Governments' websites

Martinique, disaster prevention

<http://divisions.ac-martinique.fr/darim/accueil.htm>

India, governmental information

<http://www.ndmindia.nic.in/>

Canada (Quebec governmental information)

<http://www.msp.gouv.qc.ca/jeunesse/catastrophe/toutsecuritecivile/avalanche.html>

France, educational resources

<http://eedd.scola.ac-paris.fr/crisques2.htm>

http://www.prim.net/education/espace_education.html

<http://dhs.scola.ac-paris.fr/>

Turkey, natural disasters information.

www.deprem.gov.tr

http://www.deprem.gov.tr/lab_hm/index.htm

<http://afem.bayindirlik.gov.tr/>

www.ssgm.gov.tr

United States, educational resources

<http://www.fema.gov/>

<http://education.usgs.gov/>

<http://www.fema.gov/areyouready/>

<http://earthquake.usgs.gov/learning>

Australia, natural disaster prevention

<http://www.ga.gov.au/urban/factsheets/>

<http://www.ema.gov.au/agd/EMA/emaInternet.nsf/Page/Home>.>

b) Networks websites

French-speaking countries, international school network, resource network, disaster education

http://www.prevention2000.org/cat_nat/index1.htm

Japan, disaster education, resource network

<http://www.jearn.jp/bosai/eng.html>

Jamaica, Office of Disaster Preparedness and Emergency Management (ODPEM)

<http://www.odpem.org.jm/sitemap.htm>

Preparedness Teaching Resources, The Caribbean disaster emergency response agency:

<http://www.cdera.org/preparedness/index.php>

France, resource network

<http://www.cafepedagogique.net/divers/nostetes/index.php>

<http://www.cafepedagogique.net/dossiers/kat/index.php#a2>

Latin America, Caribbean, resource network

http://www.crid.or.cr/crid/ing/sitios_relacionados_ing.html

http://www.cdera.org/about_history.php

Canada, avalanche education, natural disaster prevention

<http://www.avalanche.ca/>

IV) The United Nations and NGOs

- ❖ *UNESCO-UN/ISDR have launched a two-year (2006-2007) campaign on education for disaster risk reduction and safe schools.*

Africa, indigenous knowledge, natural disaster prevention

<http://www.environmenttimes.net/article.cfm?pageID=132>

Early warning system, developing countries

<http://www.un.org/apps/news/story.asp?NewsID=13077&Cr=natural&Cr1=disaster>

International cooperation, developing countries

http://www.hcci.gouv.fr/travail/rapports_avis/cata.html

International Tsunami Information Centre (ITIC)

<http://www.prh.noaa.gov/itic/>

Natural disaster reduction, disaster education, public awareness, early warning platform, Africa, Asia & Pacific, Latin America & the Caribbean

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

<http://www.unisdr.org/eng/risk-reduction/education/education.htm>

<http://www.igsu.ro/>

http://www.unesco.org/science/earth/disaster/index_disaster.shtml

http://www.unesco.org/science/earth/disaster/about_disaster.shtml#prevention

<http://unesdoc.unesco.org/images/0014/001448/144870E.pdf>

<http://portal.unesco.org/education/en/ev.php->

[URL_ID=48227&URL_DO=DO_TOPIC&URL_SECTION=201.html](http://portal.unesco.org/education/en/ev.php-URL_ID=48227&URL_DO=DO_TOPIC&URL_SECTION=201.html)

http://ioc3.unesco.org/ptws/awareness_education_materials.htm

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

The work of NGOs has a real impact on local efforts in risk reduction.

American Red Cross, disaster education

<http://www.redcross.org/pubs/dspubs/childmatls.html>

India, natural disaster prevention

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

<http://www.seedsindia.org/schoolsafety>

Italy

<http://www.edurisk.it/main.php>

Turkey, earthquake safety

<http://www.geohaz.org/contents/projects/turkish.html>

UNICEF, earthquake-resistant schools

http://www.adnki.com/index_2Level_English.php?cat=CultureAndMedia&loid=8.0.292806596&par=0

http://www.unicef.fr/evenement/galerie/enfants_sida/index.html

- **Teaching material accessible electronically may well be used on a school-by-school basis**

V) On line didactic tools

a) Games

- Children can play and learn on line

Hurricanes, earthquakes, kids, web games

<http://www.esa.int/esaKIDSfr/Naturaldisasters.html>

<http://www.fema.gov/kids/>

<http://www.colorado.edu/hazards/gr/q186/q186.html>

http://www.atl.ec.gc.ca/weather/hurricane/kids_f.html

<http://kids.earth.nasa.gov/games/>

<http://www.nasa.gov/audience/forkids/kidsclub/flash/index.html>

<http://earthquake.usgs.gov/learning/kids.php>

<http://www.sciencenewsforkids.org/articles/20050921/Feature1.asp>

<http://www.eird.org/esp/CDMINAE/pizote.exe>

<http://www.eird.org/fulltext/ABCDesastres/index.htm>

b) On line lessons

- There are Internet pages dedicated to teachers and pupils on natural hazards learning.

Drought, maps, graphs

<http://www.drought.unl.edu/kids/impacts/affects.htm>

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

Earthquake resistant buildings

http://www.ideers.bris.ac.uk/resistant/resist_home.html

Education for emergency situation, planification education

<http://portal.unesco.org/education/fr/ev.php->

[URL_ID=17180&URL_DO=DO_TOPIC&URL_SECTION=201.html](http://portal.unesco.org/education/fr/ev.php-URL_ID=17180&URL_DO=DO_TOPIC&URL_SECTION=201.html)

<http://www.unesco.org/iiep/>

Natural disasters

<http://www.eird.org/esp/radionovela/radionovela/htm>

<http://www.eird.org/esp/radionovela/2004/radionovela2004.htm>

<http://www.id21.org/society/s3ka1g1.html>

Studies on natural disasters

Colombia, Universidad Colombia-Manizales

<http://www.manizales.unal.edu.co/> -

Costa Rica, Universidad de Costa Rica

<http://www.ucr.ac.cr/>

Cuba, Universidad de Cuba

<http://www.uh.cu/>

El Salvador,
<http://www.ues.edu.sv/>

France,
<http://www.imep-cnrs.com/master/gerinat/gerinaM2.htm>
<http://www.univ-montp3.fr/gcrn/index.php>
http://www.univ-lyon3.fr/5002333IL/0/fiche__formation/
http://www.ujf-grenoble.fr/EDMENV1_400/0/fiche__formation/
perso-sdt.univ-brest.fr/~jacdev/page_enseignements.htm
Nicaragua, Universidad Politécnica
<http://www.upoli.edu.ni/>

Peru, Universidad de Piura
<http://www.cchh.udep.edu.pe/>

Eruptions, volcanoes

http://www.unisdr.org/eng/public_aware/world_camp/2002/pa_camp02-volcano

Earthquake resistant schools

<http://www.fema.gov/kids/schdizr.htm>
<http://www.iris.edu/edu/resources.htm>
http://www.prim.net/education/table_sismique.html

Floods, world's folklore stories

<http://www.oas.org/nhp/index.html#RECONOCIMIENTOS>
<http://www.talkorigins.org/fags/flood-myths.html>

Germany, earthquakes, tectonic plates, graphics, maps, volcanoes

<http://www.learn-line.nrw.de/angebot/agenda21/lexikon/erdbeben.htm>

Hurricanes, meteorology

[http://ww2010.atmos.uiuc.edu/\(Gh\)/guides/mtr/hurr/home.rxml](http://ww2010.atmos.uiuc.edu/(Gh)/guides/mtr/hurr/home.rxml)

United States, natural disasters

http://interactive2.usgs.gov/learningweb/explorer/topic_hazards_landslides.asp
<http://interactive2.usgs.gov/learningweb/students/>
http://interactive2.usgs.gov/learningweb/lwscripts/search_results.asp