

# EA22810 Geohazards

[View Online](#)

- 
1.  
Alexander D. Natural disasters. Enl. & rev. ed. London: UCL Press; 1993.
  2.  
Alexander D. Confronting catastrophe: new perspectives on natural disasters. Harpenden, Herts: Terra; 2000.
  3.  
Bell FG. Geological hazards: their assessment, avoidance, and mitigation [Internet]. London: E & FN Spon; 1999. Available from:  
[http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=3037228110002418&institutionId=2418&customerId=2415](http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3037228110002418&institutionId=2418&customerId=2415)
  4.  
Lopez-Carresi A, Fordham M, Wisner B, Kelman I, Gaillard JC. Disaster management: international lessons in risk reduction, response and recovery [Internet]. London: Routledge; 2014. Available from:  
[http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=3037257760002418&institutionId=2418&customerId=2415](http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3037257760002418&institutionId=2418&customerId=2415)
  5.  
Maund JG, Eddleston M, Geological Society of London. Engineering Group. Conference. Geohazards in engineering geology. London: Geological Society; 1998.

6.

McGuire B, Mason I, Kilburn CRJ. Natural hazards and environmental change [Internet]. London: Arnold; 2002. Available from:  
[http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=3037236560002418&institutionId=2418&customerId=2415](http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3037236560002418&institutionId=2418&customerId=2415)

7.

Paul BK. Environmental hazards and disasters: contexts, perspectives, and management. Chichester: Wiley-Blackwell; 2011.

8.

Rothery DA. Volcanoes, earthquakes and tsunamis [Internet]. [New ed.]. London: Teach Yourself; 2010. Available from:  
[http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=3037247660002418&institutionId=2418&customerId=2415](http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3037247660002418&institutionId=2418&customerId=2415)

9.

Smith K. Environmental hazards: assessing risk and reducing disaster. Sixth edition. London: Routledge; 2013.

10.

Smith K. Environmental hazards: assessing risk and reducing disaster. Sixth edition. London: Routledge; 2013.

11.

Wisner B, Blaikie PM. At risk: natural hazards, people's vulnerability, and disasters [Internet]. 2nd ed. London: Routledge; 2004. Available from:  
[http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=3037247640002418&institutionId=2418&customerId=2415](http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3037247640002418&institutionId=2418&customerId=2415)

12.

Wisner B, Gaillard JC, Kelman I. The Routledge handbook of hazards and disaster risk reduction. London: Routledge; 2012.

13.

Anderson RS, Anderson SP. Geomorphology: the mechanics and chemistry of landscapes. Cambridge: Cambridge University Press; 2010.

14.

Bolt BA. Earthquakes. 4th ed. New York: W.H. Freeman;

15.

Bryant E. Tsunami: the underrated hazard. Cambridge: Cambridge University Press; 2001.

16.

Bryant E. Natural hazards. 2nd ed. Cambridge: Cambridge University Press; 2005.

17.

Chester DK. Volcanoes and society. London: E. Arnold; 1994.

18.

Davis M. Planet of slums. Paperback ed. London: Verso; 2007.

19.

Decker RW, Decker B. Volcanoes. 3rd ed. New York: W. H. Freeman; 1998.

20.

Haque CE. Mitigation of Natural Hazards and Disasters: International Perspectives.

Springer; 2010.

21.

Grotzinger JP, Jordan TH. Understanding Earth. 6th ed. New York: W.H. Freeman; 2010.

22.

Haddow GD, Bullock JA, Haddow K. Global warming, natural hazards, and emergency management. Boca Raton, Fla: CRC; 2009.

23.

Jakob M. Debris-flow Hazards and Related Phenomena. Springer; 2011.

24.

Jayasuriya SK, McCawley P. The Asian tsunami: aid and reconstruction after a disaster. Cheltenham: Edward Elgar; 2010.

25.

Kearey P, Klepeis KA, Vine FJ. Global tectonics [Internet]. 3rd ed. Oxford: Blackwell; 2009. Available from: <http://www.vlebooks.com/vleweb/product/openreader?id=AberystUni&isbn=9781444303223>

26.

Kump LR, Kasting JF, Crane RG. The Earth system. 3rd ed. Upper Saddle River, N.J.: Prentice Hall; 2010.

27.

Molak V. Fundamentals of risk analysis and risk management [Internet]. Boca Raton: Lewis Publishers; Available from: [http://www.engnetbase.com/books/1305/l1130\\_fm.pdf](http://www.engnetbase.com/books/1305/l1130_fm.pdf)

28.

Nayak S, Zlatanova S. Remote sensing and GIS technologies for monitoring and prediction of disasters. Berlin: Springer;

29.

Nott J. Extreme events: a physical reconstruction and risk assessment. Cambridge: Cambridge University Press; 2006.

30.

Reice SR. The silver lining: the benefits of natural disasters. Princeton, N.J.: Princeton University Press; 2003.

31.

Robinson A. Earth shock: climate, complexity and the forces of nature. London: Thames and Hudson; 1993.

32.

Spilsbury L, Spilsbury R. Landslides and avalanches. London: Wayland; 2007.

33.

International perspectives on natural disasters: occurrence, mitigation. [Place of publication not identified]: Springer; 2014.

34.

Walker J. Avalanches and landslides. London: Gloucester Press; 1995.

35.

Wijkman A, Timberlake L. Natural disasters: acts of God or acts of man. London: International Institute for Environment and Development; 1985.

36.

Winchester S. Krakatoa: the day the world exploded, 27 August 1883. London: Penguin Books; 2004.

37.

Disasters. Available from: [http://onlinelibrary.wiley.com/journal/10.1111/\(ISSN\)1467-7717](http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1467-7717)

38.

Natural Hazards.

39.

Natural Hazards and Earth System Science. Available from:  
<http://www.natural-hazards-and-earth-system-sciences.net/index.html>

40.

Natural Hazards Review (ASCE). Available from: <http://ascelibrary.org/journal/nhrepo>

41.

Environmental Hazards. Available from:  
[http://www.tandfonline.com/loi/tenh20#.VklD\\_tLhCUk](http://www.tandfonline.com/loi/tenh20#.VklD_tLhCUk)

42.

International Journal of Disaster Risk Reduction. Available from:  
<http://www.sciencedirect.com/science/journal/22124209>

43.

Global Environmental Change Part B: Environmental Hazards. Available from:

<http://www.sciencedirect.com/science/journal/14642867>

44.

Disaster Prevention and Management: An International Journal. Available from:  
<http://www.emeraldinsight.com/journal/dpm>

45.

Journal of Geographical Sciences. Available from:  
<http://www.springer.com/earth+sciences+and+geography/geography/journal/11442>

46.

International Journal of Mass Emergencies and Disasters. Available from:  
<http://www.ijmed.org/issues/>

47.

Geohazard Risk Reduction | United Nations Educational, Scientific and Cultural Organization [Internet]. Available from:  
<http://www.unesco.org/new/en/natural-sciences/special-themes/disaster-risk-reduction/geohazard-risk-reduction/>

48.

Burton I, Kates RW, White GF. The environment as hazard. New York: Oxford University Press; 1978.

49.

UNU-EHS Expert Working Group on Measuring Vulnerability. Measuring vulnerability to natural hazards: towards disaster resilient societies. Second edition. Birkmann J, editor. New York: United Nations University Press; 2013.

50.

United Nations Office for Disaster risk Reduction [Internet]. Available from:

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

51.

Living with risk: a global review of disaster reduction initiatives - UNISDR [Internet]. Available from: <http://www.unisdr.org/we/inform/publications/657>

52.

Remembering the Aberfan disaster - 45 years ago today - The Landslide Blog - AGU Blogosphere [Internet]. Available from: <http://blogs.agu.org/landslideblog/2011/10/21/remembering-the-aberfan-disaster-45-years-ago-today/>

53.

Catastrophes: Global | III [Internet]. Available from: <http://www.iii.org/fact-statistic/catastrophes-global>

54.

Satellite Animation - UK and Ireland Storms (February 2014) [Internet]. 12AD. Available from: [https://www.youtube.com/watch?v=yBtmcis\\_CzM](https://www.youtube.com/watch?v=yBtmcis_CzM)

55.

EM-DAT | The international disasters database [Internet]. Available from: <http://www.emdat.be/>

56.

Global assessment report on disaster risk reduction (2009) - Global Assessment Report - Hyogo Framework - PreventionWeb.net [Internet]. Available from: <http://www.preventionweb.net/english/hyogo/gar/report/index.php?id=9413>

57.

IPCC - Intergovernmental Panel on Climate Change [Internet]. Available from:



[https://www.ipcc.ch/publications\\_and\\_data/publications\\_ipcc\\_fourth\\_assessment\\_report\\_synthesis\\_report.htm](https://www.ipcc.ch/publications_and_data/publications_ipcc_fourth_assessment_report_synthesis_report.htm)

58.

IPCC Fifth Assessment Report [Internet]. Available from: <https://www.ipcc.ch/report/ar5/>

59.

McGuire B. Waking the giant: how a changing climate triggers earthquakes, tsunamis, and volcanoes [Internet]. Oxford: Oxford University Press; 2012. Available from: <http://www.vlebooks.com/vleweb/product/openreader?id=AberystUni&isbn=9780191633874>

60.

GAR 2013 [Internet]. Available from: <http://www.preventionweb.net/english/hyogo/gar/2013/en/home/index.html>

61.

Centre for Research on the Epidemiology of Disasters | Centre for Research on the Epidemiology of Disasters [Internet]. Available from: <http://www.cred.be/>

62.

Munich Re: Leading experts on risk solutions worldwide | [Internet]. Available from: <http://www.munichre.com/en/homepage/index.html>

63.

Swiss Re - Leading Global Reinsurer [Internet]. Available from: <http://www.swissre.com/>

64.

Karamesouti M, Petropoulos GP, Papanikolaou ID, Kairis O, Kosmas K. Erosion rate predictions from PESERA and RUSLE at a Mediterranean site before and after a wildfire: Comparison & implications. *Geoderma*. 2016 Jan;261:44–58.

65.

Said YA, Petropoulos GP, Srivastava PK. Assessing the Influence of Atmospheric and Topographic Correction on Burnt Scars Identification from High Resolution. *Natural Hazards*.

66.

Petropoulos GP, Griffiths HM, Kalivas DP. Quantifying spatial and temporal vegetation recovery dynamics following a wildfire event in a Mediterranean landscape using EO data and GIS. *Applied Geography*. 2014 Jun;50:120–131.

67.

Petropoulos GP, Kontoes C, Keramitsoglou I. Burnt area delineation from a uni-temporal perspective based on Landsat TM imagery classification using Support Vector Machines. *International Journal of Applied Earth Observation and Geoinformation*. 2011 Feb;13(1):70–80.

68.

Petropoulos GP, Knorr W, Scholze M, Boschetti L, Karantounias G. Combining ASTER multispectral imagery analysis and support vector machines for rapid and cost-effective post-fire assessment: a case study from the Greek wildland fires of 2007. *Natural Hazards and Earth System Science*. 2010 Feb 17;10(2):305–317.

69.

Morrison KD, Kolden CA. Modeling the impacts of wildfire on runoff and pollutant transport from coastal watersheds to the nearshore environment. *Journal of Environmental Management*. 2015 Mar;151:113–123.

70.

Athanasopoulou E, Rieger D, Walter C, Vogel H, Karali A, Hatzaki M, Gerasopoulos E, Vogel B, Giannakopoulos C, Gratsea M, Roussos A. Fire risk, atmospheric chemistry and radiative forcing assessment of wildfires in eastern Mediterranean. *Atmospheric Environment*. 2014 Oct;95:113–125.

71.

de Groot WJ, Wotton BM, Flannigan MD. Wildland Fire Danger Rating and Early Warning Systems. Wildfire Hazards, Risks and Disasters (Hazards and Disasters) [Internet]. Elsevier Science Publishing Co Inc; 15AD. Available from: [http://www.amazon.co.uk/Wildfire-Hazards-Risks-Disasters/dp/0124104347/ref=sr\\_1\\_2?ie=UTF8&qid=1453912472&sr=8-2&keywords=Wildfire+Hazards%2C+Risks+and+Disasters](http://www.amazon.co.uk/Wildfire-Hazards-Risks-Disasters/dp/0124104347/ref=sr_1_2?ie=UTF8&qid=1453912472&sr=8-2&keywords=Wildfire+Hazards%2C+Risks+and+Disasters)

72.

Conard SG, Solomon AM. Chapter 5 Effects of Wildland Fire on Regional and Global Carbon Stocks in a Changing Environment. Wildland Fires and Air Pollution [Internet]. Elsevier; 2008. p. 109–138. Available from: <http://linkinghub.elsevier.com/retrieve/pii/S1474817708000053>

73.

Kahn RA. SATELLITES AND SATELLITE REMOTE SENSING | Aerosol Measurements. Encyclopedia of Atmospheric Sciences [Internet]. Elsevier; 2015. p. 51–66. Available from: <http://linkinghub.elsevier.com/retrieve/pii/B9780123822253003479>

74.

Zaehle S, Prentice C, Cornell S. The evaluation of Earth System Models: discussion summary. Procedia Environmental Sciences. 2011;6:216–221.

75.

Brown SAE, Scott AC, Glasspool IJ, Collinson ME. Cretaceous wildfires and their impact on the Earth system. Cretaceous Research. 2012 Aug;36:162–190.

76.

Wildfires | III [Internet]. Available from: <http://www.iii.org/fact-statistic/wildfires>

77.

Understanding Fire Effects on the Environment [Internet]. Available from: <http://www.fs.fed.us/pnw/research/fire/fire-effects.shtml>

78.

Wildfires Article, Forest Fires Information, Wildland Fires Facts -- National Geographic - test [Internet]. Available from: <http://environment.nationalgeographic.com/environment/natural-disasters/wildfires/>

79.

The Environmental Effects of Wildfire [Internet]. Available from: [http://www.forestry.state.al.us/Publications/TREASURED\\_Forest\\_Magazine/2008%20Spring/The%20Environmental%20Effects%20of%20Wildfire.pdf](http://www.forestry.state.al.us/Publications/TREASURED_Forest_Magazine/2008%20Spring/The%20Environmental%20Effects%20of%20Wildfire.pdf)

80.

11 Facts About Wildfires | DoSomething.org | Volunteer for Social Change [Internet]. Available from: <https://www.dosomething.org/facts/11-facts-about-wildfires>

81.

Wildfire Today: Books [Internet]. Available from: <http://wildfiretoday.com/tag/books/>

82.

Gibbard P. Palaeogeography: Europe cut adrift. *Nature*. 2007 Jul 19;448(7151):259–260.

83.

Gupta S, Collier JS, Palmer-Felgate A, Potter G. Catastrophic flooding origin of shelf valley systems in the English Channel. *Nature*. 2007 Jul 19;448(7151):342–345.

84.

Macklin MG, Rumsby BT. Changing climate and extreme floods in the British uplands. *Transactions of the Institute of British Geographers*. 2007 May 9;32(2):168–186.

85.

Macdonald N, Chester D, Sangster H, Todd B, Hooke J. The significance of Gilbert F. White's 1945 paper 'Human adjustment to floods' in the development of risk and hazard management. *Progress in Physical Geography*. 2012 Feb 1;36(1):125–133.

86.

HIRABAYASHI Y, KANAE S, EMORI S, OKI T, KIMOTO M. Global projections of changing risks of floods and droughts in a changing climate. *Hydrological Sciences Journal*. 2008 Aug;53(4):754–772.

87.

Global trends in water related disasters [Internet]. Available from: <http://www.unwater.org/downloads/181793E.pdf>

88.

Flooding in England: NaFRA [Internet]. Available from: [https://www.gov.uk/government/uploads/system/uploads/attachment\\_data/file/292928/geh00609bqds-e-e.pdf](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/292928/geh00609bqds-e-e.pdf)

89.

Pitt Report [Internet]. Available from: [http://webarchive.nationalarchives.gov.uk/20100807034701/http://archive.cabinetoffice.gov.uk/pittreview/\\_media/assets/www.cabinetoffice.gov.uk/flooding\\_review/pitt\\_review\\_full%20pdf.pdf](http://webarchive.nationalarchives.gov.uk/20100807034701/http://archive.cabinetoffice.gov.uk/pittreview/_media/assets/www.cabinetoffice.gov.uk/flooding_review/pitt_review_full%20pdf.pdf)

90.

Penning-Rowsell EC. A realistic assessment of fluvial and coastal flood risk in England and Wales. *Transactions of the Institute of British Geographers*. 2015 Jan;40(1):44–61.

91.

Hirabayashi Y, Mahendran R, Koirala S, Konoshima L, Yamazaki D, Watanabe S, Kim H, Kanai S. Global flood risk under climate change. *Nature Climate Change*. 2013 Jun 9;3(9):816–821.

92.

Future flooding - Publications - GOV.UK [Internet]. Available from:  
<https://www.gov.uk/government/publications/future-flooding>

93.

An update to the foresight future flooding [Internet]. Available from:  
[http://www.nottingham.ac.uk/~lgzwww/general/news-events/Flooding\\_Final\\_Report.pdf](http://www.nottingham.ac.uk/~lgzwww/general/news-events/Flooding_Final_Report.pdf)

94.

UK Climate Change Predictions - Reports & guidance [Internet]. Available from:  
<http://ukclimateprojections.metoffice.gov.uk/22530>

95.

Arnell NW, Halliday SJ, Battarbee RW, Skeffington RA, Wade AJ. The implications of climate change for the water environment in England. *Progress in Physical Geography*. 2015 Feb 1;39(1):93–120.

96.

Burningham K, Fielding J, Thrush D. 'It'll never happen to me': understanding public awareness of local flood risk. *Disasters*. 2008 Jun;32(2):216–238.

97.

Williams RD, Brasington J, Vericat D, Hicks DM. Hyperscale terrain modelling of braided rivers: fusing mobile terrestrial laser scanning and optical bathymetric mapping. *Earth Surface Processes and Landforms*. 2014 Feb;39(2):167–183.

98.

Williams RD, Brasington J, Hicks M, Measures R, Rennie CD, Vericat D. Hydraulic validation of two-dimensional simulations of braided river flow with spatially continuous aDcp data. *Water Resources Research*. 2013 Sep;49(9):5183–5205.

99.

Sampson CC, Fewtrell TJ, Duncan A, Shaad K, Horritt MS, Bates PD. Use of terrestrial laser scanning data to drive decimetric resolution urban inundation models. *Advances in Water Resources*. 2012 Jun;41:1–17.

100.

Christchurch, New Zealand - Earthquake sequence - Land with an increased risk of flooding [Internet]. Available from: <http://www.eqc.govt.nz/canterbury-earthquakes/land-claims/complex-land-claims/increased-risk-of-flooding>

101.

Keylock C. Snow avalanches. *Progress in Physical Geography*. 1997 Dec 1;21(4):481–500.

102.

Stethem C, Jamieson B, Schaerer P, Liverman D, Germain D, Walker S. Snow avalanche hazard in Canada—a review. *Natural Hazards*. 2003;28(2/3):487–515.

103.

Höller P. Avalanche hazards and mitigation in Austria: a review. *Natural Hazards*. 2007 Aug 31;43(1):81–101.

104.

Schweizer J, Kronholm K, Jamieson JB, Birkeland KW. Review of spatial variability of snowpack properties and its importance for avalanche formation. *Cold Regions Science and Technology*. 2008 Feb;51(2–3):253–272.

105.

Cappabianca F, Barbolini M, Natale L. Snow avalanche risk assessment and mapping: A new method based on a combination of statistical analysis, avalanche dynamics simulation

and empirically-based vulnerability relations integrated in a GIS platform. *Cold Regions Science and Technology*. 2008 Nov;54(3):193–205.

106.

J ALEAN. Ice avalanches: some empirical information about their formation and reach. *The journal of glaciology* [Internet]. 109AD;31(109). Available from: [http://whel-primo.hosted.exlibrisgroup.com/primo\\_library/libweb/action/openurl?dscnt=1&spage=324&sid=google&isServicesPage=true&url\\_ctx\\_fmt=null&issn=0022-1430&issue=109&dstmp=1447172593808&auinit=J&date=1985&aulast=ALEAN&atitle=Ice+avalanches%3A+some+empirical+information+about+their+formation+and+reach&title=The+journal+of+glaciology.&volume=31&vid=44WHELF\\_ABW\\_VU1&institution=44WHELF\\_ABW&fromLogin=true](http://whel-primo.hosted.exlibrisgroup.com/primo_library/libweb/action/openurl?dscnt=1&spage=324&sid=google&isServicesPage=true&url_ctx_fmt=null&issn=0022-1430&issue=109&dstmp=1447172593808&auinit=J&date=1985&aulast=ALEAN&atitle=Ice+avalanches%3A+some+empirical+information+about+their+formation+and+reach&title=The+journal+of+glaciology.&volume=31&vid=44WHELF_ABW_VU1&institution=44WHELF_ABW&fromLogin=true)

107.

Hewitt K. Rock avalanches that travel onto glaciers and related developments, Karakoram Himalaya, Inner Asia. *Geomorphology*. 2009 Jan;103(1):66–79.

108.

Huggel C, Caplan-Auerbach J, Wessels R. Recent Extreme Avalanches: Triggered by Climate Change? *Eos, Transactions American Geophysical Union*. 2008 Nov 18;89(47):469–470.

109.

Salzmann N, Kääb A, Huggel C, Allgöwer B, Haeberli W. Assessment of the hazard potential of ice avalanches using remote sensing and GIS-modelling. *Norsk Geografisk Tidsskrift - Norwegian Journal of Geography*. 2004 Jun;58(2):74–84.

110.

Williams A, International Association for Engineering Geology and the Environment. Congress. *Geologically active: proceedings of the 11th IAEG Congress : Auckland, New Zealand, 5-10 September 2010*. Leiden, Netherlands: CRC Press;

111.

Petley D. Global patterns of loss of life from landslides. *Geology*. 2012 Oct



1;40(10):927–930.

112.

Sattar A, Konagai K. Recent Landslide Damming Events and Their Hazard Mitigation Strategies. In: Moustafa A, editor. *Advances in Geotechnical Earthquake Engineering - Soil Liquefaction and Seismic Safety of Dams and Monuments* [Internet]. 2012. Available from: <http://cdn.intechopen.com/pdfs-wm/28219.pdf>

113.

Huggel C, Clague JJ, Korup O. Is climate change responsible for changing landslide activity in high mountains? *Earth Surface Processes and Landforms*. 2012 Jan;37(1):77–91.

114.

Glade T, Crozier MJ. A review of scale dependency in landslide hazard and risk analysis. *Landslide hazard and risk*. Chichester, West Sussex, England: J. Wiley; 2005. p. 75–138.

115.

Glade T, Anderson M, Crozier MJ. *Landslide hazard and risk*. Chichester, West Sussex, England: J. Wiley; 2005.

116.

Guzzetti F, Carrara A, Cardinali M, Reichenbach P. Landslide hazard evaluation: a review of current techniques and their application in a multi-scale study, Central Italy. *Geomorphology*. 1999 Dec;31(1–4):181–216.

117.

Yin Y, Wang F, Sun P. Landslide hazards triggered by the 2008 Wenchuan earthquake, Sichuan, China. *Landslides*. 2009 Jun;6(2):139–152.

118.

Strom AL, Korup O. Extremely large rockslides and rock avalanches in the Tien Shan Mountains, Kyrgyzstan. *Landslides*. 2006 May;3(2):125–136.

119.

Palma B, Parise M, Reichenbach P, Guzzetti F. Rockfall hazard assessment along a road in the Sorrento Peninsula, Campania, southern Italy. *Natural Hazards*. 2012 Mar;61(1):187–201.

120.

Haeberli W, Huggel C, Kääb A, Zraggen-Oswald S, Polkvoj A, Galushkin I, Zotikov I, Osokin N. The Kolka-Karmadon rock/ice slide of 20 September 2002: an extraordinary event of historical dimensions in North Ossetia, Russian Caucasus. *Journal of Glaciology*. 2004 Dec 1;50(171):533–546.

121.

Evans SG, Clague JJ. Recent climatic change and catastrophic geomorphic processes in mountain environments. *Geomorphology*. 1994 Aug;10(1–4):107–128.

122.

L. Fischer. Geology, glacier retreat and permafrost degradation as controlling factors of slope instabilities in a high-mountain rock wall: the Monte Rosa east face. *Natural Hazards and Earth System Science* [Internet]. 2006;6(5). Available from: <https://hal.archives-ouvertes.fr/hal-00299363/>

123.

Fort M, Cossart É, Deline P, Dzikowski M, Nicoud G, Ravanel L, Schoeneich P, Wassmer P. Geomorphic impacts of large and rapid mass movements: a review. *Géomorphologie : relief, processus, environnement*. 2009 Apr 1;(1/2009).

124.

Huggel C. Recent extreme slope failures in glacial environments: effects of thermal perturbation. *Quaternary Science Reviews*. 2009 Jun;28(11–12):1119–1130.

125.

McColl ST. Paraglacial rock-slope stability. *Geomorphology*. 2012 Jun;153-154:1-16.

126.

Evans SG, Tutubalina OV, Drobyshev VN, Chernomorets SS, McDougall S, Petrakov DA, Hungr O. Catastrophic detachment and high-velocity long-runout flow of Kolka Glacier, Caucasus Mountains, Russia in 2002. *Geomorphology*. 2009 Apr;105(3-4):314-321.

127.

Carey M, Huggel C, Bury J, Portocarrero C, Haeberli W. An integrated socio-environmental framework for glacier hazard management and climate change adaptation: lessons from Lake 513, Cordillera Blanca, Peru. *Climatic Change*. 2012 Jun;112(3-4):733-767.

128.

Richardson SD, Reynolds JM. An overview of glacial hazards in the Himalayas. *Quaternary International*. 2000 Apr;65-66:31-47.

129.

WALDER JOSEPH S., COSTA JOHN E. OUTBURST FLOODS FROM GLACIER-DAMMED LAKES: THE EFFECT OF MODE OF LAKE DRAINAGE ON FLOOD MAGNITUDE. *Earth Surface Processes and Landforms* [Internet]. John Wiley & Sons, Ltd; 1998;21(8):701-723. Available from: [http://onlinelibrary.wiley.com/doi/10.1002/\(SICI\)1096-9837\(199608\)21:8%3C701::AID-ESP615%3E3.0.CO;2-2/abstract](http://onlinelibrary.wiley.com/doi/10.1002/(SICI)1096-9837(199608)21:8%3C701::AID-ESP615%3E3.0.CO;2-2/abstract)

130.

Kattelman R. Glacial lake outburst floods in the Nepal Himalaya: a manageable hazard? *Natural Hazards*. 2003;28(1):145-154.

131.

Huggel C, Käab A, Haeberli W, Teyssere P, Paul F. Remote sensing base assessment of hazards from glacier lake outbursts: a case study in the Swiss Alps. *Canadian Geotechnical Journal* [Internet]. 2002;50(53). Available from:

<http://www.nrcresearchpress.com/doi/abs/10.1139/t01-099#.VkNPGrfhDIU>

132.

Bajracharya SR, Mool P. Glaciers, glacial lakes and glacial lake outburst floods in the Mount Everest region, Nepal. *Annals of Glaciology*. 2009 Dec 1;50(53):81-86.

133.

Benn DI, Bolch T, Hands K, Gulley J, Luckman A, Nicholson LI, Quincey D, Thompson S, Toumi R, Wiseman S. Response of debris-covered glaciers in the Mount Everest region to recent warming, and implications for outburst flood hazards. *Earth-Science Reviews*. 2012 Aug;114(1-2):156-174.

134.

Jain SK, Lohani AK, Singh RD, Chaudhary A, Thakural LN. Glacial lakes and glacial lake outburst flood in a Himalayan basin using remote sensing and GIS. *Natural Hazards*. 2012 Jul;62(3):887-899.

135.

Zaidi AZ, Yasmeen Z, Siddiqui MD. Glacial Lake Outburst Flood (GLOF) risk mapping in Hunza River Basin (Pakistan) using geospatial techniques. 2013 6th International Conference on Recent Advances in Space Technologies (RAST) [Internet]. [Place of publication not identified]: IEEE; 2013 Jun;191-195. Available from: <http://ieeexplore.ieee.org/lpdocs/epic03/wrapper.htm?arnumber=6581198>

136.

Worni R, Stoffel M, Huggel C, Volz C, Casteller A, Luckman B. Analysis and dynamic modeling of a moraine failure and glacier lake outburst flood at Ventisquero Negro, Patagonian Andes (Argentina). *Journal of Hydrology*. 2012 Jun;444-445:134-145.

137.

Ashraf A, Naz R, Roohi R. Glacial lake outburst flood hazards in Hindukush, Karakoram and Himalayan Ranges of Pakistan: implications and risk analysis. *Geomatics, Natural Hazards and Risk*. 2012 Jun;3(2):113-132.

138.

Hubbard B, Heald A, Reynolds JM, Quincey D, Richardson SD, Luyo MZ, Portilla NS, Hambrey MJ. Impact of a rock avalanche on a moraine-dammed proglacial lake: Laguna Safuna Alta, Cordillera Blanca, Peru. *Earth Surface Processes and Landforms*. 2005 Sep;30(10):1251-1264.

139.

Harrison S, Glasser N, Winchester V, Haresign E, Warren C, Jansson K. A glacial lake outburst flood associated with recent mountain glacier retreat, Patagonian Andes. *The Holocene*. 2006 Jun 1;16(4):611-620.

140.

Haeberli W, Kääb A, Mühll DV, Teyssie P. Prevention of outburst floods from periglacial lakes at Grubengletscher, Valais, Swiss Alps. *Journal of Glaciology*. 2001 Feb 1;47(156):111-122.

141.

O'Keefe P, Westgate K, Wisner B. Taking the naturalness out of natural disasters. *Nature*. 1976 Apr 15;260(5552):566-567.

142.

Smith K, Petley DN. *Environmental hazards: assessing risk and reducing disaster* [Internet]. 5th ed. Milton Park, Abingdon, Oxon: Routledge; 2009. Available from: [http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=3037236590002418&institutionId=2418&customerId=2415](http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3037236590002418&institutionId=2418&customerId=2415)

143.

White ID, Mottershead DN, Harrison SJ. *Environmental systems: an introductory text*. 2nd ed. London: Chapman & Hall; 1992.

144.

Chan JCL. Comment on 'Changes in Tropical Cyclone Number, Duration, and Intensity in a Warming Environment'. Science. 2006 Mar 24;311(5768):1713b-1713b.

145.

Webster PJ. Response to Comment on 'Changes in Tropical Cyclone Number, Duration, and Intensity in a Warming Environment'. Science. 2006 Mar 24;311(5768):1713c-1713c.

146.

Elliott JR, Pais J. Race, class, and Hurricane Katrina: Social differences in human responses to disaster. Social Science Research. 2006 Jun;35(2):295-321.

147.

Pielke RA, Pielke RA. Hurricanes: their nature and impacts on society. Chichester: Wiley; 1997.

148.

Strachan J. Tropical cyclones in 2011. Weather. 2012 Feb;67(2):31-34.

149.

Trenberth K. CLIMATE: Uncertainty in Hurricanes and Global Warming. Science. 2005 Jun 17;308(5729):1753-1754.

150.

Waltham T. The flooding of New Orleans. Geology Today. 2005 Nov;21(6):225-231.

151.

Webster PJ. Changes in Tropical Cyclone Number, Duration, and Intensity in a Warming Environment. Science. 2005 Sep 16;309(5742):1844-1846.

152.

Bolton N, Elsom DM, Meaden GT. Forecasting tornadoes in the United Kingdom. *Atmospheric Research*. 2003 Jul;67-68:53-72.

153.

Clark MR. The southern England tornadoes of 30 December 2006: Case study of a tornadic storm in a low CAPE, high shear environment. *Atmospheric Research*. 2009 Jul;93(1-3):50-65.

154.

Caren Marzban, Schaefer JT. The Correlation between U.S. Tornadoes and Pacific Sea Surface Temperatures. *Monthly Weather Review* [Internet]. 2010 Feb 25;129. Available from: [http://journals.ametsoc.org/doi/abs/10.1175/1520-0493\(2001\)129%3C0884:TCBUST%3E2.0.CO%3B2](http://journals.ametsoc.org/doi/abs/10.1175/1520-0493(2001)129%3C0884:TCBUST%3E2.0.CO%3B2)

155.

Osborn TJ. Winter 2009/2010 temperatures and a record-breaking North Atlantic Oscillation index. *Weather*. 2011 Jan;66(1):19-21.

156.

Prior J, Kendon M. The UK winter of 2009/2010 compared with severe winters of the last 100 years. *Weather*. 2011 Jan;66(1):4-10.

157.

Konisky DM, Hughes L, Kaylor CH. Extreme weather events and climate change concern. *Climatic Change*. 2016 Feb;134(4):533-547.

158.

Alcántara-Ayala I. Geomorphology, natural hazards, vulnerability and prevention of natural disasters in developing countries. *Geomorphology*. 2002 Oct;47(2-4):107-124.

159.

Alexander D. The Study of Natural Disasters, 1977-97: Some Reflections on a Changing Field of Knowledge. *Disasters*. 1997 Dec;21(4):284-304.

160.

Bankoff G. Rendering the World Unsafe: 'Vulnerability' as Western Discourse. *Disasters*. 2001 Mar;25(1):19-35.

161.

Dominey-Howes D, Minos-Minopoulos D. Perceptions of hazard and risk on Santorini. *Journal of Volcanology and Geothermal Research*. 2004 Oct;137(4):285-310.

162.

Edwards SJ, Fearnley CJ, Lowe CJ, Wilkinson E. Disaster risk reduction for natural hazards: Putting research into practice. *Environmental Hazards*. 2012 Jun;11(2):172-176.

163.

Garcia C, Fearnley CJ. Evaluating critical links in early warning systems for natural hazards. *Environmental Hazards*. 2012 Jun;11(2):123-137.

164.

Ismail-Zadeh A, Takeuchi K. Preventive disaster management of extreme natural events. *Natural Hazards*. 2007 Jul 23;42(3):459-467.

165.

Wisner B, Luce HR. Disaster vulnerability: Scale, power and daily life. *GeoJournal*. 1993 Jun;30(2):127-140.

166.

Kawano T, Hasegawa K, Watase H, Morita H, Yamamura O. Infectious Disease Frequency



Among Evacuees at Shelters After the Great Eastern Japan Earthquake and Tsunami: A Retrospective Study. *Disaster Medicine and Public Health Preparedness*. 2014 Feb;8(01):58–64.

167.

Samarasundera E, Hansell A, Leibovici D, Horwell CJ, Anand S, Oppenheimer C. Geological hazards: From early warning systems to public health toolkits. *Health & Place*. 2014 Nov;30:116–119.

168.

Smith KR, Corvalan CF, Kjellstrom T. How Much Global Ill Health Is Attributable to Environmental... : *Epidemiology*. *Epidemiology* [Internet]. 10(5). Available from: [http://journals.lww.com/epidem/Abstract/1999/09000/How\\_Much\\_Global\\_Ill\\_Health\\_Is\\_Attributable\\_to.27.aspx](http://journals.lww.com/epidem/Abstract/1999/09000/How_Much_Global_Ill_Health_Is_Attributable_to.27.aspx)

169.

Brumbaugh DS. *Earthquakes: science and society*. 2nd ed. New York: Prentice Hall;

170.

McGuire RK. Deterministic vs. probabilistic earthquake hazards and risks. *Soil Dynamics and Earthquake Engineering*. 2001 Jul;21(5):377–384.

171.

©Onaka M. *The physics of rock failure and earthquakes*. Cambridge: Cambridge University Press; 2013.

172.

Rashed T, Weeks J. Assessing vulnerability to earthquake hazards through spatial multicriteria analysis of urban areas. *International Journal of Geographical Information Science*. 2003 Sep;17(6):547–576.

173.

Dawson A, Stewart I. Tsunami geoscience. *Progress in Physical Geography*. 2007 Dec 1;31(6):575–590.

174.

Keating BH. Island Edifice Failures and Associated Tsunami Hazards. *Pure and Applied Geophysics*. 2000 Aug 1;157(6–8):899–955.

175.

SMITH D. The Holocene Storegga Slide tsunami in the United Kingdom\*1. *Quaternary Science Reviews*. 2004 Dec;23(23–24):2291–2321.

176.

Whelan F, Kelletat D. Submarine slides on volcanic islands – a source for mega-tsunamis in the Quaternary. *Progress in Physical Geography*. 2003 Jun 1;27(2):198–216.

177.

Bolić T, Sivčev Ž. Eruption of Eyjafjallajökull in Iceland. *Transportation Research Record: Journal of the Transportation Research Board*. 2011 Dec;2214:136–143.

178.

Gramling C. As volcano rumbles, scientists plan for aviation alerts. *Science*. 2014 Aug 29;345(6200):990–990.

179.

Papale P, Shroder JF, editors. *Volcanic hazards, risks and disasters*. Oxford: Elsevier; 2015.

180.

Loughlin SC, Sparks RSJ, Brown SK, Jenkins SF, Vye-Brown C, editors. *Global volcanic hazards and risk*. Cambridge: Cambridge University Press; 2015.

181.

Chester DK. Volcanoes and society. London: E. Arnold; 1994.

182.

Francis P, Oppenheimer C. Volcanoes. 2nd ed. Oxford: Oxford University Press; 2004.

183.

Marti

J, Ernst G. Volcanoes and the environment [Internet]. Cambridge: Cambridge University Press; 2005. Available from:  
<http://www.vlebooks.com/vleweb/product/openreader?id=AberystUni&isbn=9780511331343>

184.

Oppenheimer C. Eruptions that shook the world [Internet]. Cambridge, UK: Cambridge University Press; 2011. Available from:  
<http://assets.cambridge.org/97805216/41128/cover/9780521641128.jpg>

185.

Rothery DA. Volcanoes, earthquakes and tsunamis [Internet]. [New ed.]. London: Teach Yourself; 2010. Available from:  
[http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=3037236510002418&institutionId=2418&customerId=2415](http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3037236510002418&institutionId=2418&customerId=2415)

186.

K. Bonne. A new approach to assess long-term lava flow hazard and risk using GIS and low-cost remote sensing: the case of Mount Cameroon, West Africa. International Journal of Remote Sensing [Internet]. Taylor & Francis; 2008 Oct 28;29(22):6539-6564. Available from: <http://www.tandfonline.com/doi/abs/10.1080/01431160802167873>

187.

Chester DK, Dikken CJL, Duncan AM. Volcanic hazard assessment in western Europe. *Journal of Volcanology and Geothermal Research*. 2002 Jun;115(3-4):411-435.

188.

Chester DK, Duncan AM, Sangster H. Human responses to eruptions of Etna (Sicily) during the late-Pre-Industrial Era and their implications for present-day disaster planning. *Journal of Volcanology and Geothermal Research*. 2012 May;225-226:65-80.

189.

Dikken C, Chester DK. Human vulnerability in volcanic environments: the case of Furnas, São Miguel, Azores. *Journal of Volcanology and Geothermal Research*. 1999 Sep;92(1-2):133-150.

190.

Gaillard JC, Dikken CJL. Volcanic risk perception and beyond. *Journal of Volcanology and Geothermal Research*. 2008 May;172(3-4):163-169.

191.

Global Volcano Model. 2012;14. Available from: <http://adsabs.harvard.edu/abs/2012EGUGA..1413299S>

192.

Data | Futurevolc [Internet]. Available from: <http://futurevolc.hi.is/data>

193.

Volcanology | Earth hazards | Our research | British Geological Survey (BGS) [Internet]. Available from: <http://www.bgs.ac.uk/research/volcanoes/home.html>

194.

vhub - Resources [Internet]. Available from: <https://vhub.org/resources>

195.

Met Office, FitzRoy Road, Exeter, Devon, EX1 3PB, United Kingdom. London Volcanic Ash Advisory Centre (VAAC). Met Office, FitzRoy Road, Exeter, Devon, EX1 3PB, United Kingdom; Available from: <http://www.metoffice.gov.uk/aviation/vaac/>

196.

, United Kingdom. Natural Hazards Partnership. , United Kingdom; Available from: <http://www.metoffice.gov.uk/nhp/>

197.

Icelandic Meteorological Office | Icelandic Meteorological office [Internet]. Available from: <http://en.vedur.is/>

198.

almannavarnir.is [Internet]. Available from: <http://www.almannavarnir.is/>

199.

Van Westen CJ. 3.10 Remote Sensing and GIS for Natural Hazards Assessment and Disaster Risk Management. Treatise on geomorphology [Internet]. Amsterdam: Elsevier/Academic Press; 2013. p. 259–298. Available from: <http://linkinghub.elsevier.com/retrieve/pii/B9780123747396000518>

200.

Cova TJ. GIS in Emergency management. Geographic information systems and science. Chichester: Wiley; 2001.

201.

Mitigating natural disasters : Phenomena, effects and options : A manual for policy makers and planners. [Internet]. Available from: <http://cidbimena.desastres.hn/pdf/eng/doc1028/doc1028.htm>

202.

Coppock JT. GIS and natural hazards: an overview from a GIS perspective. Geographical information systems in assessing natural hazards. Dordrecht: Kluwer Academic Publishers; 1995. p. 21–34.