

CNDS publications 2013

Peer-reviewed articles:

- Andersson-Sköld Y, Bergman R, Johansson M, Persson E and Nyberg L (2013). Landslide risk management - a brief overview and example from Sweden of current situation and climate change. *International Journal of Disaster Risk Reduction*, 3():44-61.
- Aringkerblom, S., Bishop, K., Bjorn, E., Lambertsson, L., Eriksson, T., Nilsson, MB. (2013). Significant interaction effects from sulfate deposition and climate on sulfur concentrations constitute major controls on methylmercury production in peatlands. *Geochimica et Cosmochimica Acta*, 102 (DOI: 10.1016/j.gca.2012.10.025) (1):-11.
- Beaudon, E. , J.Moore, T.Martma, V.Pohjola, R.van de Wal, J.Kohler and E.Isaksson (2013). Lomonosovfonna and Holtedahlfonna ice cores reveal east–west disparities of the Spitsbergen environment since AD 1700.. *J. Glaciol.* 59(218):1069-1083.
- Beven, K J (2013). So how much of your error is epistemic? Lessons from Japan and Italy. *. Hydrological Processes*, 27 (DOI: 10.1002/hyp.9648) 11(1677):-1680.
- Davies J, Beven K, Rodhe A, Nyberg L, and Bishop K (2013). Integrated modelling of flow and residence times at the catchment scale with multiple interacting pathways. *Water Resources Research*, 49():4738–4750.
- Davies, J., K. J. Beven, A. Rodhe, L. Nyberg and K. Bishop (2013). Integrated modelling of flow and residence times at the catchment scale with multiple interacting pathways. *Water Resour.*, Res.49 (DOI: 10.1002/wrcr.20377) 8(4738):-4750.
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- Evers M and Nyberg L (2013). Transnational education for integrated flood risk management – the Master Course IFRM. *Hydrologie und Wasserbewirtschaftung*, 57():100-109.
- García Juanatey, M., A. Tryggvason, C. Juhlin, U. Bergström, J., Hübert, L.B. Pedersen (2013). MT and reflection seismics in northwestern Skellefte Ore District. *Geophysics*, 78(2):B65-B76.
- García Juanatey, M., J. Hübert, A. Tryggvason, L.B. Pedersen (2013). Imaging the Kristineberg mining area with two perpendicular magnetotelluric profiles in the Skellefte Ore District. *Geophys.*, Prosp 61(2):200-219.
- Garcia-Urquia, E., Axelsson, K. (2013). The Use of Press Data in the Development of a Database for Rainfall-Induced Landslides in Tegucigalpa, Honduras, 1980-2005. *Natural Hazards*, submitted. *submitted*, ():no

- Gebrehiwot, SG., Seibert, J., Gardenas, AI., Mellander, PE., Bishop, K. (2013). Hydrological change detection using modeling: Half a century of runoff from four rivers in the Blue Nile Basin. *Water Resources Research*, 49 (DOI: 10.1002/wrcr.20319) 6 (7154):-7158.
- Granberg M and Glover L (2013). Adaptation and Maladaptation in Australian National Climate Change Policy. *Journal of Environmental Policy ,& Planning* DOI: 10.1080/1523908X.2013.823857 ():.
- Grinsted, A., Moore, J.C. (2013). Projected Atlantic hurricane surge threat from rising temperatures. *Proceedings of the National Academy of Sciences of the United States of America*, (ISSN 0027-8424)(EISSN 1091-6490) 110(14):5369-5373.
- Grinsted, A., Moore, J.C. (2013). Reply to Kennedy et al.: Katrina storm records in tide gauges. *Proceedings of the National Academy of Sciences of the United States of America*, (ISSN 0027-8424)(EISSN 1091-6490) 110(29):E2667-E2667.
- Guangnan, H., L. Yang, A. Tryggvason, H. Guangyi, F. Tingen, D. Jianhua (2013). Velocity tomography imaging method with variable grid spacing/interval . *Oil Geophysical Prospecting*, 48(3):379-389.
- Guerrero, JL., Westerberg, IK., Halldin, S., Lundin, LC., Xu, CY. (2013). Exploring the hydrological robustness of model-parameter values with alpha shapes. *Water Resources Research*, 49 (DOI: 10.1002/wrcr.20533) 10(6700):-6715.
- Halldorsson, SA, Hilton, DR, Troll, VR, Fischer, TP (2013). Resolving volatile sources along the western Sunda arc, Indonesia. *Chemical Geology*, 339():263-282.
- Hart, Paul 't and Bengt Sundelius (2013). "Crisis management revisited: A new agenda for research, training and capacity building within Europe." . *Cooperation and Conflict*, Online edition.
- Hidalgo, H. G., Amador, J. A., Alfaro, E. J., & Quesada, B. (2013). Hydrological Climate Change Projections for Central America. *Journal of Hydrology*, 495():94-112.
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- Jeffery, AJ, Gertisser, R, Troll, VR, Jolis, EM, Dahren, B, Harris, C, Tindle, AG, Preece, K, O'Driscoll, B, Humaida, H, Chadwick, JP (2013). The pre-eruptive magma plumbing system of the 2007-2008 dome-forming eruption of Kelut volcano, East Java, Indonesia. *Contributions to Mineralogy and Petrology*, 166():275-308.
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- Jolis, EM, Freda, C, Troll, VR, Deegan, FM, Blythe, LS, McLeod, CL, Davidson, JP (2013). Experimental simulation of magma-carbonate interaction beneath Mt Vesuvius, Italy. *Contributions to Mineralogy and Petrology*, 166():1335-1353.
- Jones, A., Moore, J.C. et al. (2013). The impact of abrupt suspension of solar radiation management (termination effect) in experiment G2 of the Geoengineering Model

- Intercomparison Project (GeoMIP). *Journal of Geophysical Research*, (ISSN 0148-0227)(EISSN 2156-2202) 118():.
- Juston, J. M., Kauffeldt, A., Montano, B. Q., Seibert, J., Beven, K. J. and Westerberg, I. K. (2013). Smiling in the rain: Seven reasons to be positive about uncertainty in hydrological modelling. *Hydrol. Process.* 27():1117–1122.
 - Kauffeldt, A., Halldin, S., Rodhet, A., Xu, CY., Westerberg, IK. (2013). Disinformative data in large-scale hydrological modelling. *Hydrology and Earth System Sciences*,17 (DOI: 10.5194/hess-17-2845-2013) 7(2845):-2857.
 - Kizza, M., Guerrero, JL., Rodhe, A., Xu, CY., Ntale, HK. (2013). Modelling catchment inflows into Lake Victoria: regionalisation of the parameters of a conceptual water balance model. *Hydrology Research*,44 (DOI: 10.2166/nh.2012.152) 5(789):-808.
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 - Leedal, D T, Weerts, A, Smith, P. J. and Beven, K J (2013). , Application of Data Based Mechanistic modelling for flood forecasting at multiple locations in the Eden Catchment in the National Flood Forecasting System (England and Wales). *Hydrol. Earth Syst. Sci.* 17():177-185.
 - Martin Jacobsson och Christian Rohner (2013). Comparing wireless flooding protocols using trace-based simulations. *EURASIP Journal on Wireless Communications and Networking*, ():169.
 - Mellander, PE., Gebrehiwot, SG., Gardenas, AI., Bewket, W., Bishop, K. (2013). Summer Rains and Dry Seasons in the Upper Blue Nile Basin: The Predictability of Half a Century of Past and Future Spatiotemporal Patterns. *PLOS One*,8 (DOI: 10.1371/journal.pone.0068461) 7():.
 - Montanari, A (2013). Young, G. *Savenije*,, H Hughes, D; Wagener, T; Ren, L; Koutsoyiannis, D; Cudennec, C; Toth, E; Grimaldi, S; Blöschl, G; Sivapalan, M; Beven, K J; Gupta, H V; Hipsey, M; Schaefli, B; Arheimer, B; Boegh, E; Schymanski, S; Di Baldassarre, G; Yu, B; Hubert, P; Huang, Y; Schumann, A; Post, D; Srinivasan, V; Harman, C; Thompson, S; Rogger, M; Viglione, A; McMillan, H; Characklis; Pang, Z, Belyaev, V;Panta Rhei – Everything Flows”: Change in hydrology and society – The IAHS Scientific Decade 2013–2022; *Hydrological Sciences J.*;58 (DOI: 10.1080/02626667.2013.809088) 6(1256):-1275.
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 - Nohrstedt, Daniel (2013). Explaining Mobilization and Performance of Collaborations in Routine Emergency Management. *Administration ,& Society*Early view ():p1-28.

- Nohrstedt, Daniel (2013). Advocacy Coalitions in Crisis Resolution: Understanding Policy Conflict in the European Volcanic Ash Cloud Crisis. *Public Administration*, Early view ():p1-16.
- Nord, L. and Olsson, E-K. (2013). Frame, set, match! Towards a model of successful crisis rhetoric. *Public Relations Inquiry*, 2(1):79-94.
- Nyberg R and Johansson M (2013). Indicators of road network vulnerability to storm-felled trees. *Natural Hazards*, 69():185-199.
- Olsson, Eva-Karin (2013). Public diplomacy as a crisis communication tool. *Journal of International Communication*, 19(2):219-234.
- Rinke, A., Moore, J.C. et al (2013). Simulated Arctic atmospheric feedbacks associated with late summer sea ice anomalies. *Journal of Geophysical Research*, (ISSN 0148-0227)(EISSN 2156-2202) 118():.
- Sjökvist, L., M. Rahm, R. Waters, O. Svensson, E. Strömstedt, M. Leijon, (2013). Calculating Buoy Response for a Wave Energy Converter - a Comparison of two Computational Methods and Experimental Results. *International Journal of Marine Energy*, submitted ():.
- Stern, Eric (2013). Preparing: The Sixth Task of Crisis Leadership. *Journal of Leadership Studies*, 7(3):: Special Issue on Leadership in Emergencies51-56.
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- Troll, VR, Chadwick, JP, Jolis, EM, Deegan, FM, Hilton, DR, Schwarzkopf, LM, Blythe, LS, Zimmer, M (2013). Crustal volatile release at Merapi Volcano, the 2006 earthquake and eruption events. *Geology Today*, 29(3):96-101.
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- van Der Zwan, FM, Chadwick, JP, Troll, VR (2013). Textural history of recent basaltic-andesites and plutonic inclusions from Merapi volcano. *Contributions to Mineralogy and Petrology*, 166():43-63.
- Wood, A and Beven, K J (2013). On runoff generation and the distribution of storage deficits. *Hydrol. Res.*44 (doi:10.2166/nh.2013.119) 4(673):-689.
- Zhao, L., Moore, J.C. (2013). Numerical simulations of Gurenhekou Glacier on the Tibetan Plateau using a full-Stokes ice dynamical model. *The Cryosphere Discussions*, 7():145-173.
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- Åström, J., Moore, J.C. et al. (2013). A particle based simulation model for glacier dynamics. *The Cryosphere* , 7(5):1591-1602.

Peer-reviewed conference papers:

- Achberger C, Chen D, Rayner D, Nyberg L, and Persson G (2013). Future rainfall and flooding in Sweden: an integrative project to support climate-adaptation actions, *in Proceedings of LAHS Conference*, Gothenburg, Sweden.
- Boano, C.A., H. Wennerström, M.A. Zúñiga, J. Brown, C. Keppitiyagama, F.J. Oppermann, U. Roedig, L.-Å. Nordén, T. Voigt, and K. Römer (2013). Hot Packets: A Systematic Evaluation of the Effect of Temperature on Low Power Wireless Transceivers, *in Proceedings of Extreme Conference on Communication (ExtremeCom)*, Thorsmörk, Iceland.
- Eriksson, Lina M. (2013). Voter Blame and Storm Gudrun: The Retreat of the Social Democratic Party in the Historical 2006 Regime Shift, *in Proceedings of 8th Uppsala Forum Workshop on Global Climate Change – Dealing with Climate Change and Natural Disasters: Loss, Damage, Adaptation and Social Justice*, Uppsala, Sweden.
- Eriksson, Lina M., *in Proceedings of "Voter Blame and Storm Gudrun in the Swedish 2006 Parliamentary Election: The Retreat of the Social Democratic Party in the Historical Regime Shift"*
- " (2013). The Swedish Political Science Association Annual Meeting, *in Proceedings of Stockholm, Sweden*, no
- Eriksson, Lina M. & Jasmina Nedevska (2013). Did Bible-belt Communities Respond more Efficiently to Gudrun?, *in Proceedings of The Impact of Religion, Challenges for Society, Law and Democracy.*, Uppsala, Sweden.
- Glover L and Granberg M (2013). Comparing Local Government Adaptation Responses to Climate Change in Australia and Sweden, *in Proceedings of State of the Australian Cities Conference*, Sydney, Australia.
- Granberg M (2013). Urban transformations and policy responses, *in Proceedings of Glocalized governance and The Great Transformation of our time*, Malmö, Sweden.
- Granberg, M. (2013). The local and the global: Climate change and the relevance of the local level, *in Proceedings of Time of crises or time for new opportunities? Empowering local communities in the shadow of the project society*, Helsinki, Finland.
- Hansén, Dan (2013). "Crisis Policymaking and the Ration of Attention.", *in Proceedings of ECPR Joint Sessions of Workshops: "Decision-Making under Ambiguity and Time Constraints: Assessing the Multiple Streams Framework."*, Mainz, Germany.
- "Hermans, Frederik, Hjalmar Wennerström, Liam JJ McNamara, Christian Rohner, Per Gunningberg
- Hjalmar Wennerström, Liam JJ McNamara, Christian Rohner, Per Gunningberg" (2014). All is not Lost: Understanding and Exploiting Packet Corruption in Outdoor Sensor Networks, *in Proceedings of European Conference on Wireless Sensor Networks (EWSN)*, Oxford, UK.

- Hong, Y., E. Hultman, V. Castellucci, B. Ekergård, L. Sjökvist, D. E. Soman, R. Krishna, K. Haikonen, A. Baudoin, L. Lindblad, E. Lejerskog, D. Käller, M. Rahm, E. Strömstedt, C. Boström, R. Waters, M. Leijon, (2013). Status Update of the Wave Energy Research at Uppsala University, *in Proceedings of 10th European Wave and Tidal Energy Conference Series*, Aalborg, Denmark.
- Koivisto, J. (2013). Defining Policy Subsystems in Wicked Problem Settings: The Case of Disaster Risk Reduction in Mozambique., *in Proceedings of International Conference on Public Policy*, Grenoble, France.
- Nohrstedt, Daniel (2013). Complexity Theory and Collaborative Crisis Governance in Sweden., *in Proceedings of 8th Uppsala Forum Workshop on Global Climate Change – Dealing with Climate Change and Natural Disasters: Loss, Damage, Adaptation and Social Justice*, Uppsala, Sweden.
- Nohrstedt, Daniel (2013). Networking and Emergency Management Performance: A Nested Analysis of Local-level Collaborations in Sweden, *in Proceedings of International Conference on Public Policy*, Grenoble, France.
- Nyberg, L (2013). Multi-risk in the region of Lake Vänern and River Göta älv: Cascading events, floods and landslides, *in Proceedings of 2nd MATRIX Stakeholder Workshop*, Königswinter, Germany.
- Olsson, Eva-Karin, Falkheimer, Jesper and Nord, Lars (2013). "Media Coverage Characteristics in times of crisis exploitation.", *in Proceedings of LAMCR*, Dublin, Ireland.
- Parker, Charles (2013). Complex Negative Events and the Diffusion of Crisis: Lessons from the 2010 and 2011 Icelandic Volcanic Ash Cloud Events, *in Proceedings of 8th Uppsala Forum Workshop on Global Climate Change – Dealing with Climate Change and Natural Disasters: Loss, Damage, Adaptation and Social Justice*, Uppsala, Sweden.
- Parker, Charles F. (2013). Complex Negative Events and the Diffusion of Crisis: The Case of the 2010 Icelandic Volcanic Ash Cloud., *in Proceedings of International Studies Association Annual Convention*, SF, CA, USA.
- Parker, Charles F. & Karlsson, Christer (2013). The European Union as a Global Climate Leader: Confronting Aspiration with Evidence, *in Proceedings of ECPR General Conference*, Bordeaux, France.
- Simons, Greg (2013). "The Human Cost of Western Humanitarian Interventions." , *in Proceedings of EMERCOMs 18e Annual Scientific and Practical Conference*, Moscow, Russia.
- Ullberg, Susann (2013). "Asuntos hídricos: Inundaciones y la lógica de omisión en la burocracia santafesina.", *in Proceedings of 10ª Reunión de Antropología del Mercosur*, Córdoba, Argentina.
- Ullberg, Susann (2013). ""Material Matters in Disaster"" , *in Proceedings of "International Conference "Cultures of Disaster""*, Oslo, Norway.
- Wennerström, Hjalmar, Frederik Hermans, Olof Rensfelt, Christian Rohner, Lars-Åke Nordén (2013). A Long-Term Study of Correlations between Meteorological Conditions and

802.15.4 Link Performance, in *Proceedings of IEEE International Conference on Sensing, Communication and Networking (SECON)*, New Orleans, USA.

- Wennerström, Hjalmar, Liam McNamara, Christian Rohner, Lars-Åke Nordén (2013). Transmission Errors in a Sensor Network at The Edge of The World, in *Proceedings of Extreme Conference on Communication (ExtremeCom)*, Thorsmörk, Iceland.
- Wennerström, Hjalmar, Liam McNamara, Christian Rohner, Lars-Åke Nordén (2013). A Study of Packet Errors on Outdoor 802.15.4 Links, in *Proceedings of Swedish National Computer Networking Workshop (SNCNW)*, Lund, Sweden.
- Young, Stephanie (2013). "How the concepts of resilience and vulnerability have been institutionalized in the Swedish crisis management system.", in *Proceedings of Åre Risk Event*, Åre, Sweden.

Other scientific publications:

- Bynander, Fredrik & Stefano Guzzini (Eds.) (2013). Rethinking Foreign Policy. In: Routledge Advances in International Relations and Global Politics.
- Deverell, Edward (2013). "Organizational learning from crisis.". In: Handbook of International Organizations, edited by B. Reinalda.
- Freer, J, Beven, K J, Neal, J, Schumann, G, Hall, JW, and Bates, P D (2013). Hydrological flood uncertainty and risk research. In: Risk and uncertainty assessment for natural hazards.
- Guinea, H. (2013). Towards integrated flood management in Guatemala, Licentiate thesis.
- Lindberg, Helena and Bengt Sundelius (2013). "Whole of Society Disaster Resilience: The Swedish Way." . In: The McGraw-Hill Homeland Security Handbook, edited by D. Kamien, .
- Maldonado, T. (2013). The Caribbean Low-level jet: its relationship with climate and weather in Central America;, Introductory essay.
- Nohrstedt, Daniel & Parker, Charles (2014). The Public Policy Dimension of Resilience in Natural Disaster Management: Sweden's Gudrun and Per Storms, Disaster & development: Examining global issues and cases;;Book chapter.
- Olsson, Eva-Karin and Verbeek, Bertjan (2013). ""Cause or solution? International organizations and crisis management."" . In: Handbook of International Organizations, edited by B. Reinalda.
- Parker, Charles F. (2013). Agents, Structures and International Regime Significance. In: Rethinking Foreign Policy.
- Parker, Charles F. & Karlsson, Christer, Leadership and International Cooperation. In: The Oxford Handbook of Political Leadership..
- Rougier, J., Beven, K.J. (2013). Model limitations: the sources and implications of epistemic uncertainty. In: Risk and uncertainty assessment for natural hazards.

- Schyberg, Erik (2013). Rutin och improvisation – Flygtrafik-tjänst i Sverige och Norge under vulkanen Eyjafjallajökulls utbrott våren 2010,FHS Ö36/2013. Rapport för Försvarsdepartementet inom ramen för FORBE. ;;Book chapter.
- Stern Eric, Gregory Saathoff, Mary Ellen Martinet, and Brad Kieserman (2013). "Appendix A - Advice in Crisis: Towards Best Practices for Providing Legal Advice under Disaster Condi-tions.". In: Advice in Legal Crisis.
- Stern Eric, Gregory Saathoff, Mary Ellen Martinet, and Brad Kieserman (2013). "Appendix A - Advice in Crisis: Towards Best Practices for Providing Legal Advice under Disaster Condi-tions." Advice in Legal Crisis. ,.
- Stern, Eric, Gregory Saathoff, and Brad Kieserman (2013). "Advice in Crisis: Leaders, Lawyers and the Art of Disaster Management." Handbook of Homeland Security, edited by D. Kamien.,,New York;McGraw Hill;Book chapter, p. 711-738.
- Stern, Eric, Gregory Saathoff, and Brad Kieserman (2013). "Advice in Crisis: Leaders, Lawyers and the Art of Disaster Management." . In: Handbook of Homeland Security, edited by D. Kamien.,.
- Ullberg, Susann (2013). Stockholm Studies in Social Anthropology N.S.8 and CRISMART Volume 40;Watermarks: Urban Flooding and Memoryscape in Argentina, PhD thesis, 315 pp..
- Ullberg, Susann (2013). "Ethnographier les mémoires de catastrophes. Terrain translocal à Santa Fe (Argentine)". In: Le gouvernement des catastrophes. Edited by S. Revet and J. Langumier.
- Walch, Colin (2013). Typhoon Haiyan:natural disaster meets armed conflict,<http://www.opendemocracy.net/colin-walch/typhoon-haiyan-natural-disaster-meets-armed-conflict>.
- Wennerström, Hjalmar (2013). Meteorological Impact and Transmission Errors in Outdoor Wireless Sensor Networks, Licentiate thesis.
- Guerrero, JL. (2013). "Digital Comprehensive Summaries of Uppsala Dissertations from the Faculty of Science and Technology, ISSN 1651-6214; 1010";Robust Water Balance Modeling with Uncertain Discharge and Precipitation Data: Computational Geometry as a New Tool, PhD thesis.