

CNDS publications 2016

Peer-reviewed

- Arellano, S., Yalire, M., Galle, B., Bobrowski, M., Dingwell, A. et al. (2016). "Long-term monitoring of SO₂ quiescent degassing from Nyiragongo's lava lake." *Journal of African Earth Sciences*.
- Barker A.K., Troll V.R., Carracedo J.C. and Nicholls P. (2015) "The magma plumbing system for the 1971 Teneguía eruption on La Palma, Canary Islands." *Contributions to Mineralogy and Petrology* 170: 54.
- Becker, Per and Fredrik Bynander (2016) "The System for Crisis Management in Sweden: Collaborative, Conformist, Controvertible" in Madu, C. N. & Kuei, C. (Eds.) *Handbook of Disaster Risk Reduction and Management*. World Scientific Press & Imperial College Press, London.
- Berg Nordvulk, Sylvia (2016) *Origin of rhyolitic magmas in NE-Iceland*. Doctoral dissertation. Uppsala University, Sweden.
- Berg S.E., Troll V.R., Deegan F.M., Burchardt S., Krumbholz M., Mancini L., Polacci M., Carracedo J.C., Soler V., Arzilli F. and Brun F. (2016) "Heterogeneous vesiculation of 2011 El Hierro xeno-pumice revealed by X-ray computed microtomography." *Bulletin of Volcanology*, 78: 85.
- Boin, Arjen, Paul 't Hart, Eric Stern, and Bengt Sundelius (2016, 2005) *The Politics of Crisis Management: Public Leadership under Pressure*. Second edition. Cambridge, UK: Cambridge University Press.
- Budd, David (2016) *Geochemical evolution of large explosive caldera systems*. Doctoral dissertation. Uppsala University, Sweden.
- Budd D.A., Troll V.R., Dahren B. and Burchardt S. (2016) "Persistent multitiered magma plumbing beneath Katla volcano, Iceland." *Geochemistry, Geophysics, Geosystems* (G3) Vol. 17, Nr. 3: 966-980.
- Burchardt, S., Troll, V., Schmelting, H., Koyi, H., and Blythe, L. (2016). "Erupted frothy xenoliths may explain lack of country-rock fragments in plutons." *Scientific Reports*. vol. 6 6:34566 | DOI: 10.1038/srep34566.
- Bynander, Fredrik, Bengt Sundelius och M. Winnerstig (2016) "Rådgivarrollen: när statsvetaren bidrar till policyskapande," i Bremberg, N., Hagström, L. & Holmberg, A. *Att forska: praktiker och roller*. Stockholm: Carlsson.
- Carracedo J.C., Troll V.R., Zaczek K., Rodríguez-González A., Soler V. and Deegan F.M. (2015) "The 2011–2012 submarine eruption off El Hierro, Canary Islands: New lessons in oceanic island growth and volcanic crisis management." *Earth-Science Reviews*, 150: 168-200.
- Ceola, S., Montanari, A., Krueger, T., Dyer, F., Kreibich, H. et al. (2016). "Adaptation of water resources systems to changing society and environment: a statement by the International Association of Hydrological Sciences." *Hydrological Sciences Journal*. vol. 61, ss. 2803-2817.

- Dahren, Börje (2016) “Magma plumbing in the North Atlantic Igneous Province and Indonesia.” Doctoral dissertation. Uppsala University, Sweden.
- Deegan F.M., Troll V.R., Whitehouse M.J., Jolis E.M. and Freda C. (2016) “Boron isotope fractionation in magma via crustal carbonate dissolution.” *Scientific Reports*, 6: 30774.
- Dingwell, Adam (2016) *Dispersion modelling of volcanic emissions*. Doctoral dissertation. Uppsala, Sweden: Department of Earth Sciences, Uppsala University. ISBN 978-91-554-9704-0. ISSN 1651-6214.
- Ekström, Anna och Stephanie Young (2016) *Försörjningssäkerhet i andra länder - En kunskapsöversikt*. Stockholm: Myndighet för samhällsskydd och beredskap.
- Galland, O., Bertelsen, H., Guldstrand, F., Girod, L., Johannessen, R. et al. (2016). “Application of open-source photogrammetric software MicMac for monitoring surface deformation in laboratory models.” *Journal of Geophysical Research - Solid Earth*. vol. 121, ss. 2852-2872.
- Geiger H., Barker A.K. and Troll V.R. (2016) “Locating the depth of magma supply for volcanic eruptions, insights from Mt. Cameroon.” *Scientific Reports*, 6: 33629.
- Geiger, H., Mattsson, T., Deegan, F., Troll, V., Burchardt, S. Gudmundsson Ó., Tryggvason A., Krumbholz M. and Harris C. (2016) “Magma plumbing for the 2014–2015 Holuhraun eruption, Iceland.” *Geochemistry Geophysics Geosystems*. vol. 17: 8, 2953-2968. DOI: 10.1002/2016GC006317
- Hermansson, Helena (2016) “Disaster Response in Turkey: Conditions Promoting Cross-Sectoral Collaboration and Implications for Effectiveness.” *Administration & Society*. ISSN 0095-3997, E-ISSN 1552-3039.
- Hermansson, Helena (June 2016) “Disaster management collaboration in Turkey: Assessing progress and challenges of hybrid network governance.” *Public Administration*. First published online 2 September 2015. Vol 94, 2: 333–349. DOI: 10.1111/padm.12203
- Hollis, Simon (2016) “Global and local re-presentations of resilience in the Caribbean: the role of art in the construction of the self.” *Resilience*. Published on line 11 July 2016 at: <http://dx.doi.org/10.1080/21693293.2016.1198514>
- Jeddi, Zeinab (2016) *Seismological Investigation of Katla Volcanic System (Iceland): 3D Velocity Structure and Overall Seismicity Pattern*. Doctoral dissertation. Uppsala, Sweden: Department of Earth Sciences, Uppsala University. ISBN: 978-91-554-9696-8. ISSN 1651-6214.
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- Mukolwe, M., Di Baldassarre, G., and Bogaard, T. (2015). “KULTURisk Methodology Application: Ubaye Valley (Barcelonnette, France). Ubaye Valley (Barcelonnette,

- France).” In *Hydro-Meteorological Hazards, Risks, and Disasters*, edited by Paolo Paron, Giuliano Di Baldassarre and J. F. Shroder Jr.. ss. 201-211
- Paglia, Eric (2016) *The Northward Course of the Anthropocene: Transformation, Temporality and Telecoupling in a Time of Environmental Crisis*. PhD dissertation. Royal Institute of Technology (KTH): Division of History of Science, Technology and Environment. Stockholm. CRISMART volume 45.
- Olauson, Jon (2016) *Modelling Wind Power for Grid Integration Studies*. Doctoral dissertation. Uppsala, Sweden: Department of Engineering Sciences, Electricity. ISBN: 978-91-554-9690-6. ISSN 1651-6214.
- Rhinard, Mark and Bengt Sundelius (2016) “Forward Resilience and Enhanced Cooperation: Bringing Theory to Practice.” In *Forward Resilience: Protecting Society in an Interconnected World*, edited by Daniel S. Hamilton. pgs. 53-66. Washington, D.C.: Center for Transatlantic Relations, The John Hopkins University.
- Ridolfi, E., Rianna, M., Trani, G., Alfonso, L., Di Baldassarre, G. et al. (2016). “A new methodology to define homogeneous regions through an entropy based clustering method.” *Advances in Water Resources*. vol. 96, ss. 237-250.
- Roberts, Peder and Eric Paglia (2016) “Science as national belonging: The construction of Svalbard as a Norwegian space.” *Social Studies of Science*. Vol. 46(6) 894–911. Sage. DOI: 10.1177/0306312716639153
- Sgattoni, G., Jeddi, Z., Gudmundsson, Ó., Einarsson, P., Tryggvason, A. et al. (2016). “Long-period seismic events with strikingly regular temporal patterns on Katla volcano’s south flank (Iceland).” *Journal of Volcanology and Geothermal Research*. vol. 324, ss. 28-40.
- Ullberg, Susann Baez (2016) “La Memoire de la Catastrophe et des Lieux: Le Cas de la Inundación de 2003 á Santa Fe, Argentine.” In *Traces: Mémoires et Politiques des Désastres en Amérique Latine* edited by Diego Zenobi, Susann Baez Ullberg and Telma Camargo da Silva. p. 17-36. Paris: L’Harmattan.
- Ullberg, Susann Baez (2016) “Marcas de Agua: Un Análisis Antropológico de Inundaciones Urbanas y Memoria Social en la Ciudad de Santa Fe.” In *Pensamiento social sueco sobre América Latina*, edited by Maria-Therese Gustavsson and Fredrik Uggla. Buenos Aires: CLACSO. p. 267-296.
- Ullberg, Susann Baez (2016) ”Underlåtandets logik i argentinsk riskhantering.” I Ullberg, Susann Baez och Per Becker (Red.) *Katastrofriskreducering: Perspektiv, praktik, potential*. p. 241-262. Lund: Studentlitteratur.
- Ullberg, Susann Baez and Per Becker (2016). ”Katastrofriskreducering: Ett mångvetenskapligt forskningsfält och ett tvärsektoriellt politikområde.” I Ullberg, Susann Baez och Per Becker (Red.) *Katastrofriskreducering: Perspektiv, praktik, potential*. p. 23-58. Lund: Studentlitteratur.
- Ullberg, Susann Baez and Per Becker, Red. (2016). *Katastrofriskreducering: Perspektiv, praktik, potential*. Lund: Studentlitteratur.

- Van Loon, A., Stahl, K., Di Baldassarre, G., Clark, J., Rangelcroft, S. et al. (2016). "Drought in a human-modified world: reframing drought definitions, understanding, and analysis approaches." *Hydrology and Earth System Sciences*. vol. 20, 3631-3650.
- Yan, K., Neal, J., Solomatine, D., and Di Baldassarre, G. (2016). "Global and Low-Cost Topographic Data to Support Flood Studies." In *Hydro-Meteorological Hazards, Risks, and Disasters*, edited by Paolo Paron, Giuliano Di Baldassarre and J. F. Shroder Jr. ss. 105-123.
- Zenobi, Diego, Susann Baez Ullberg, and Telma Camargo da Silva (Eds.) (2016) *Traces: Mémoires et Politiques des Désastres en Amérique Latine*. Paris: Editions L'Harmattan.

Other scientific publications

- Dingwell, Adam; Arellano, Santiago; Rutgersson, Anna; and Galle, Bo (2016) "Using DOAS traverses and atmospheric modelling to determine plume height and eruption rate of the 2015 Holuhraun eruption."
- Sjökvist, Linnea, and Malin Göteman (24-28 October 2016) "The effect of overtopping waves on peak forces on a point absorbing WEC." In proceedings of The Asian Wave and Tidal Energy Conference (AWTEC), Singapore.
- Ullberg, Susann Baez and Jeroen Warner (October 2016) "The Relevance of Soft Infrastructure in Disaster Management and Risk Reduction." *UN Chronicle*. Vol. LIII No. 3. Available at: <https://unchronicle.un.org/article/relevance-soft-infrastructure-disaster-management-and-risk-reduction>

Peer-reviewed conference papers

- Bondesson, Sara, (2016) Bottom-up Organizing and Empowerment in Post-Disaster Work, conference paper presented at the 6th IDRC Davos 2016, Global Risk Forum.

Popular Science

- Bondesson, Sara (16 februari 2016) "Risker, kriser och katastrofer – vem drabbas och vems hörs?" *Mänsklig Säkerhet*. Finns på: <http://manskligsakerhet.se/2016/02/16/risker-kriser-och-katastrofer-vem-drabbas-och-vems-hors-3/>
- Ullberg, Susann Baez and Jeroen Warner (15 December 2016) "Mjuk infrastruktur central för katastrofriskreducering." *Mänsklig säkerhet*. <http://manskligsakerhet.se/2016/12/15/mjuk-infrastruktur-central-for-katastrofriskreducering/#comment-1934>