

## Publication list

### Peer reviewed journals and peer reviewed conference proceedings:

- Herban R.S., Stolte J., Skaalsveen K., **Krzeminska D.** 2016. Managing extreme weather events in small – scale catchments: Norwegian vs Romanian approach. In 16th International Multidisciplinary Scientific GeoConference SGEM 2016, SGEM Vienna GREEN Extended Scientific Sessions, Book 3 (3): 181-188, ISBN 978-619-7105-81-0 / ISSN 1314-2704, DOI: 10.5593/SGEM2016/HB33/S02.023
- Krzeminska D.M.**, Bogaard T.A., Debieche T.H., Cervi F., Marc V., Malet J.-P. 2014. Field investigation of preferential fissure flow paths with hydrochemical analysis of small-scale sprinkling experiments. *Earth Surface Dynamics* 2 (1): 181 – 195, DOI: 10.5194/esurf-2-181-2014
- Krzeminska D.M.**, Bogaard T.A., Malet J.-P., Van Beek L.P.H. (2013). A model of hydrological and mechanical feedbacks of preferential fissure flow in a slow-moving landslide. *Hydrology and Earth System Science* 17:947-959, DOI:10.5194/hess-17-947-2013.
- Krzeminska D.M.**, Bogaard T.A., Van Asch Th.W.J., Van Beek L.P.H. (2012). A conceptual model of the hydrological influence of fissures on activity. *Hydrology and Earth System Science* 16:1-16, DOI: 10.5194/hess-16-1561-2012.
- Grandjean G., Bitri A., **Krzeminska D. M.** (2012). Characterisation of a landslide fissure pattern by integrating seismic azimuth tomography and geotechnical testing. *Hydrological Processes* 26 (14), 2120-2127, DOI: 10.1002/hyp.7993.
- Krzeminska D.M.**, Steele-Dunne S.C., Rutten M.M., Bogaard T.A., Sailhac P. (2011) High resolution temperature observations to monitor hydrological thermal properties as a proxy for soil moisture conditions in clay-shale landslide. *Hydrological Processes, Special Issue, S147 Hydrology of clay shales and clay sediments*, DOI: 10.1002/hyp.7980.
- Debieche T.-H., Bogaard T.A., Marc V., Emblanch C., **Krzeminska D.M.**, Malet J.-P.(2011). Hydrological and hydrochemical processes observed during a large-scale infiltration experiment at the Super-Sauze mudslide (France). *Hydrological Processes, Special Issue, S147 Hydrology of clay shales and clay sediments*. DOI: 10.1002/hyp.7843
- Cervi F., Debieche T.-H., **Krzeminska D.M.**, Marc V., Bogaard T.A., Malet J.-P. (2011). Variable contributions of mixing end members during small-scale sprinkling experiments in partially weathered black marls. *In: Proceedings of the Second Italian Workshop on Landslide (IWL2) – Large slow active movements and risk managements*, 28-20 September, Naples, Italy.
- Steele-Dunne S. C., Rutten M. M., **Krzeminska D. M.**, Hausner M., Tyler S. W., Selker J. S., Bogaard T. A., Van de Giesen N. C. (2010), Feasibility of Soil Moisture Estimation using Passive Distributed Temperature Sensing. *Water Resources Research* 46 W03534, DOI:10.1029/2009WR008272. *Nr of citations – 74 (Google Scholar)*
- Krzeminska D. M.**, Bogaard T. A., Steele-Dunne S. C. (2010). On the potential of high temporal and spatial resolution soil temperature monitoring for hazard analysis of rainfall induced landslide. *In: Proceedings of the ‘Mountain Risks’ International conference – Bringing science to society*, 24-26 November, Firenze, Italy.
- Krzeminska D.M.**, Bogaard T.A., Debieche T.H., Marc V., Ponton J., Malet J.-P.(2009). Quantitative analysis of preferential flow during small scale infiltration tests on an active mudslide, Super-Sauze, South French Alps. *Proceedings of the International Conference “Landslide processes: from Geomorphologic Mapping to Dynamic Modelling*, Strasbourg, France

**Krzeminska D.M.**, Bogaard T.A., Westhoff M. (2009). Spatial and temporal variability of soil moisture patterns related to preferential flow measured using distributed temperature sensing. *Folia Geographica, Series Geographica- Physica*, XL:71-78.

Book chapters:

Denis J., Kniess U., Travelletti J., Daehne A., **Krzeminska D.M.**, Bièvre G., Corsini A., Bogaard T.A., Malet J.-P. (2014). Chapter 3: Innovative techniques for the characterization of the morphology, geometry and hydrological features of slow-moving landslides. In: *Mountain Risks: From Prediction to Management and Governance*, van Asch, T.; Corominas, J.; Greiving, S.; Malet, J.-P.; Sterlacchini, S. (Eds.). *Advances in Natural and Technological Hazards Research*, Vol. 34, XV, 340 p., ISBN 978-94-007-6768-3

Ferrari A., Quan Luna B., Spickermann A., Travelletti J., **Krzeminska D.M.**, Eichenberger J., Van Asch Th.W.J, Van Beek L.P.H., Bogaard T.A., Malet J.-P., Laloui L., (2014) Chapter 4: Techniques for the Modelling of the Process Systems in Slow and Fast-Moving Landslides. In: *Mountain Risks: From Prediction to Management and Governance*, Asch, T.; Corominas, J.; Greiving, S.; Malet, J.-P.; Sterlacchini, S. (Eds.). *Advances in Natural and Technological Hazards Research*, Vol. 34, XV, 340 p., ISBN 978-94-007-6768-3

**Krzeminska D.M.**, Bogaard T.A., Debieche T.-H., Marc V., Malet J.-P. (2013) Sprinkling tests to understand hydrological behaviour of mudslide. In: *Landslide science and practice. Volume 2: Early warning, instrumentation and monitoring*. Margottini, Claudio; Canuti, Paolo; Sassa, Kyoji (Eds.). Springer Book Series for WLF2, ISBN: 978-3-642-31444-5 (Print) 978-3-642-31445-2 (Online), DOI: 10.1007/978-3-642-31445-2\_61

Research monographs – PhD thesis:

**Krzeminska D.M.**, 2012. The influence of fissures on landslide hydrology. PhD Thesis, Delft University of Technology, Netherlands. ISBN: 976-90-6562-309-6