

## Publication list 07/2019

### NIBIO POP/NIBIO Reports

- Hauge A., Barneveld R., **Krzeminska D.** 2019. Planlegging av fangdammer på Smøla - Prosjektering av rensedammer for landbruksavrenning. NIBIO RAPPORT 5(17)2019, 30s
- Krzeminska D.**, Hauge A., Starkloff T., Skarbøvik E., Stolte J. 2019. Flomtiltak i landbruksområder. NIBIO POP 5(5) 2019, 8s.
- Krzeminska D.** and Bechmann M. 2018. Phosphorus losses from the Mørdre catchment. NIBIO RAPPORT 4(173) 2018, 24s.

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

- Krzeminska D.**, Kerkhof T., Skaalsveena K. and Stolte J. 2019. Effect of riparian vegetation on stream bank stability in small agricultural catchments. *Catena* 172(2019): 87-96
- Schwilch G., Lemann T., Berglund Ö., Camarotto C., Cerdà A., Daliakopoulos I.N., Kohnová S., **Krzeminska D.**, Marañón t., Rietra R., Siebielec G., Thorsson J., Tibbett M., Valente S., van Delden H., van den Akker J., Verzandvoort S., Vrinceanu N.O., Zoumides C. and Hessel R. 2018. Assessing Impacts of Soil Management Measures on Ecosystem Services, Sustainability **2018**, 10, 4416; doi:10.3390/su10124416
- Pakhomova S., Yakushev E., Protsenko E., Rigaud S., Cossa D., Knoery J., Couture R., Radakovitch O., Yakubov S., **Krzeminska D.** and Newton A. 2018. Modeling the influence of the eutrophication and redox conditions on mercury cycling at the sediment-water interface in the Berre Lagoon. *Frontiers in Marine Science*, doi: 10.3389/fmars.2018.00291
- Hamidov A., Helming K., Bellocchi G., Bojar W., Dalgaard T., Ghaley B.B., Hoffmann C., Holman I., Holzkämper A., **Krzeminska D.**, Kværnø S.H., Lehtonen H., Niedrist G., Øygarden L., Reidsma P., Roggero P.P., Rusu T., Santos C., Seddaiu G., Skarbøvik E., Ventrella D., Żarski J., Schönhart M. 2018. Impacts of climate change adaptation options on soil functions: A review of European case-studies. *Land Degrad Dev.* 2018;29:2378–2389. <https://doi.org/10.1002/ldr.3006>
- 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 landslide 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., Knies 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