

Projects: RECORD (2007-2011) and RECORD Catchment (2012-2017)

Project achievements: PhD, MSc, BSc and book chapters/contributions (selection as of Jan. 2017)

Anaïs Cattin, 2016. Microhabitat effects on N2O emissions from floodplain soils. University of Neuchâtel.
Mc Mullin, Th., Master thesis. Effects of drought on ecosystem engineers' effectiveness to build up soil aggregates – a microcosm approach
Lienur A., 2016. Master thesis EPFL Impact of the river restoration (Thur River, TG, Switzerland) on the formation of soil structure along an evolutive sequence – contribution of X-ray Computed Tomography
Marc Risi (2014). Einfluss der Klimaänderung auf die Entwicklung der Grundwasserpegelstände und -Temperaturen im Kanton Nidwalden. Supervisor: Rolf Kipfer, Eduard Höhn. ETHZ.
Ghasemizade, M., 2016. Model complexity and diagnostic-tool based analyses of integrated and physically based models. Université de Neuchâtel.
Mechelke, J., in preparation. Tracing biotransformation in the hyporheic zone with the use of passive sampling and high resolution mass spectrometry. ETHZ.
Schomburg, A., in preparation. Ecosystem engineers' contribution to soil structure formation in floodplains. Université de Neuchâtel.
Basso, S., 2016. The role of flow regimes for sediment transport and flooding potential of river catchments. Université de Neuchâtel.
Chittoor Viswanathan, V., 2015. Effect of river restoration and hydrological changes on surface water quality –River reach-scale to catchment-scale study. Université de Neuchâtel.
Von Freyberg, J. 2015. Groundwater dynamics and streamflow generation in a mountainous headwater catch-ment – Process understanding from field experiments and modeling studies. Université de Neuchâtel. http://doc.rero.ch/record/257453
Jimenez, S., 2015. High resolution aquifer characterization using hydraulic tomography and tracer tomography. ETHZ.
Doulatyari, B., 2015. Analytical modeling of reach-scale and network-scale dynamics of flow regimes. Université de Neuchâtel.
Rudolf von Rohr, M., 2014. Effects of climate change on redox processes during riverbank filtration: Field studies and column experiments. ETH Zürich
Diem, S., 2013. Riverbank filtration within the context of river restoration and climate change. Université de Neuchâtel.
Burger Chakraborty L, Sägesser J. 2010. Nitrate and ammonium uptake by the two riparian plant species Phalaris arundinacea and Salix viminalis in hydroponic experiments. B.Sc. thesis, Dept. of Environmental Sciences, ETH Zurich.
Gartmann C. 2010. Heterogeneity, flow velocities and travel times in an alluvial aquifer. Department Applied Geologyaterisierung, MSc thesis, ETHZ, Switzerland.
Tabue N. 2010. 3-D groundwater flow modelling of groundwater-surface water interactions at the Swiss river Thur, MSc thesis, BTU Cottbus (Germany) and Eawag.
Vogler, E., 2010: Continuous measurement of radon and thoron in soil gas. MSc thesis, Dept. of Environmental Sciences, ETH Zurich.
Diem S. 2009. Räumliche Charakterisierung der hydraulischen Leitfähigkeit des Thur-Tal -Aquifers beim Testfeld Widen (TG), Switzerland. Department Applied Geology, MSc thesis, ETHZ, Switzerland.
Dürst Y. 2009. Self-potential measurements at the River Thur site. Semester work ETHZ.
Fournier B. 2009. Relationships among aboveground and belowground communities and ecosystem functioning along the perturbation gradient of a restored floodplain. University of Lausanne.
Freund A. 2009. Identification of flow path and travel times in an alluvial aquifer using natural tracers and tracer tests (Thur). Center of Applied Geosciences, MSc thesis, University of Tübingen, Germany.
Klotzche A. 2009. Full-waveform Inversion of Crosshole Ground Penetrating Radar Data to Characterize a Gravel Aquifer close to the River Thur, Switzerland. MSc thesis RWTH Aachen, Germany.
Merz K. 2009. 3-D experimental design for geoelectric cross-hole studies at the River Thur hydrological test site. MSc thesis ETHZ, Switzerland.
Ngueleu-Kamangou Stephane. 2009. Integrated hydrogeological investigation on the vulnerability of a pumping station at a loosing stream (River Thur). Center of Applied Geosciences, MSc thesis, University of Tübingen, Germany.
Pessognelli M. 2009. High-resolution geophysical investigation and imaging of a restored section of the River Thur, Switzerland. MSc thesis ETHZ, Switzerland.
Rechsteiner R. 2009. Nitrogen transformation along hyporheic hydrological connectivity in a restored riparian zone at the river Thur, Switzerland. Department Environmental Sciences, MSc thesis, ETHZ, Switzerland.
Sunarjo B. 2009. Characterizing stream-groundwater interaction using temperature based methods (River Thur). Department Environmental Sciences, BSc thesis, ETHZ, Switzerland.
Terzic M. 2009. Geoelectric imaging at an experimental site by the River Thur. B.Sc. thesis ETHZ.
Thum T. 2009. Identification and quantification of groundwater exfiltration areas in a side channel of a channelized river section (River Thur). Center of Applied Geosciences, MSc thesis, University of Tübingen, Germany.
Blättler R, Gur E. 2008. Fließrichtungen und -geschwindigkeiten des Turwasserinfiltrats in der Aufweitung bei Niederneunforn/TG (River Thur). Semester work ETHZ, Switzerland.
Genoni O. 2008. Self-potential investigations of a restored and unrestored section of the River Thur, Switzerland. MSc thesis ETHZ, Switzerland.
Hahn-Woehrle L. 2008. Charakterisierung des Fließgewässer-Grundwasser-Austauschs durch faseroptische Temperaturmessung aufgrund des Raman Effekts (River Thur). Semester work ETHZ, Switzerland.

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Hunkeler P. 2008. Geoelectrical investigations on a gravel-bar at the restored section of the River Thur, Switzerland. Semester work ETHZ, Switzerland.
Tockner K, Bunn SE, Quinn G, Naiman R, Stanford JA, Gordon C. 2008. pr. 45-61. Floodplains: Critically threatened ecosystems. In: Polunin, N.C. (eds), Aquatic Ecosystems. Cambridge University Press.
Grin K. 2007. Dynamique des sols d'une zone alluviale revitalisée de la Thur (TG). Laboratoire ECOS-WSL. MSc thesis EPFL, Switzerland.
Luster J, Finlay R. (eds.). 2007. Handbook of Methods used in Rhizosphere Research. Online Edition. http://www.rhizo.at/handbook .
Minogue AT. 2007. Preliminary Distributed Modelling of the Thur Catchment, Switzerland. Faculté de l'environnement naturel, architectural et construit. MSc thesis EPFL, Switzerland.
Schäppi B. 2007. Integrating river bed topography and DEM data for a reach of the River Thur and related flow modelling. MSc thesis ETHZ, Switzerland.