

# Upper Rhine Cluster for Sustainability Research

## Researchers Profil

Name, Position & Affiliation

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*Dr. Gerhard Schäfer*

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*Professor*

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*Université de Strasbourg, Faculté Physique et  
Ingénierie, Laboratoire d'Hydrologie et de Géochimie  
de Strasbourg (LHyGeS)*

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Expertise in relation to the topics of the URCforSR (include max. 3 related and recent publications)

*Leader of the team "Reactive transfers in hydrosystems (TReHA)" at LHyGeS. His research activities are focussing on experimental and numerical studies of multiphase multicomponent flow and transport in soil and groundwater, from the laboratory scale up to the field scale.*

*Schneider L., di Chiara Roupert R., **Schäfer G.**, Helluy P., 2015. Highly gravity-driven flow of an NAPL in water-saturated porous media using Discontinuous Galerkin Finite-Element Method with a generalised Godunov scheme. *Comput Geosci* 19, 855–876. DOI 10.1007/s10596-015-9494-7.*

*Cotel S., **Schäfer G.**, Traverse S., Marzougui-Jaafar S., Gay G., Razakarisoa O., 2015. Evaluation of VOC fluxes at the soil-air interface using different flux chambers and a quasi-analytical approach. *Water Air Soil Pollut* (2015) 226:356. DOI 10.1007/s11270-015-2596-y.*

*Berez A., **Schäfer G.**, Ayari F., Trabelsi-Ayadi M. 2016. Adsorptive removal of azo dyes from aqueous solutions by natural bentonite under static and dynamic flow conditions. *International Journal of Environmental Science and Technology*. DOI: 10.1007/s13762-016-1006-3*