

# Upper Rhine Cluster for Sustainability Research



## Researchers Profil

Name, Position & Affiliation

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*Nikolaus J. Kuhn*

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*Professor for Physical Geography*

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*Department of Environmental Sciences, University of  
Basel (nikolaus.kuhn@unibas.ch)*

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

Surface processes and the Carbon cycle (Kuhn, N. J., Hoffmann, T., Schwanghart, and W., Dotterweich, M. 2009: Agricultural soil erosion and global carbon cycle : controversy over? in: Earth surface processes and landforms 34, p. 1033-1038.)

Geographic analysis of land management (Kuhn, N.J., Hu, Y., Bloemertz, L., He, J., Li, H., and Greenwood, P. 2016. Conservation tillage and sustainable intensification of agriculture: regional vs. global benefit analysis. Agriculture, Ecosystems & Environment 216, 155-165)

Global change and local impact (Greenwood, P. and Kuhn, N. 2014. Does the invasive plant, *Impatiens glandulifera*, promote soil erosion along the riparian zone? : An investigation on a small watercourse in northwest Switzerland, in: Journal of soils and sediments 14, 2014, H. 3, S. 637-650.)

Special Interests in the topics of the URCforSR

- Sustainable use of soil and water
- Soil as a resource
- Geography of biogeochemical cycles

What you are searching for regarding the cooperation within the URCforSR

*Research cooperation in topics of axis 5, in particular a landscape systems analysis of policies and land use change aimed at enhancing sustainability*