



Landscape Pedology - linking structure to processes

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A better understanding of landscape scale soil distribution (causes), its development over time (pedogenesis) and its influence on recent process dynamics is one of the biggest challenge in soil science. A substantial progress in this direction can be achieved by coupling structure and processes in soil landscapes. In the presentation a conceptual approach of landscape pedology is presented as well as some selected examples of the interdependencies between structure and processes from agricultural and forested landscapes(erosion, DOC, CH₄). Special emphasis is given to the role of “sensitive areas” in soil landscapes for matter fluxes.