



Kolloquium Boden, Wasser, Luft

10. Februar 2022, 16:15 – 18 Uhr
Hörsaal Fahnenbergplatz, Friedrichstr. 39

[Zoom link](#)

Meeting ID: 681 2154 4499

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Impact of anthropopressure on the properties and functions of soils in urban areas: the example of Krakow, Poland

Soil is an important part of urban ecosystems and has direct and indirect influences on the quality of the urban environment.

Yet soil is particularly vulnerable to strong anthropogenic transformations at every stage of city development. Changes in urban soils take place both horizontally and vertically. Anthropogenic transformations of soils are especially prominent in historical city centers. Despite the large heterogeneity of soils in urbanized areas, some common features can be distinguished such as: new horizons or layers, dark-coloured horizons, higher bulk density, neutral or alkaline reaction, enrichment in some elements including carbon, heavy metals and phosphorus; and a greater variability in microbial biomass.

Krakow, which is a city with over a thousand years history, is a great place to investigate typical soils anthropogenic transformations in urbanized areas in relation to their use and function in the urban environment.

**Veranstaltet von den Professuren für Bodenökologie, Hydrologie,
Umwelthydrosysteme und Umweltmeteorologie der Universität Freiburg**