BayCEER Kolloquium

Lectures in Ecology and Environmental Research

Summer 2017



Thursday 04.05.2017 14:00 in H10, NW I

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An approach to simulation of large lake-aquifer-systems: Semi-arid Nebraska Sandhills

In many regions of the world, large systems of shallow water bodies include hundreds and thousands of lakes and wetlands, integrated with climate- and humancontrolled groundwater. In some cases, like in China and Mongolia, a dramatic reduction of areas and numbers of such lakes is observed. Disparity between spatial-temporal scales of each surface-water body and the entire system presents grand challenge to their modeling, and practical approaches are needed.

We explore feasibility of modeling for the Nebraska Sand Hills, a large, grass-stabilized dune region containing thousands of small closed-basin lakes and wetlands in hydraulic connection with the Northern High Plains Aquifer.

Bayreuth Center of Ecology and Environmental Research



The lectures are an inter-disciplinary platform for students, junior and senior scientists. Abstracts and further information: www.bayceer.uni-bayreuth.de/kolloquium/