



Ronald E. Hatcher
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***Tracking Water around the Globe - in the
Atmosphere-Surface and Subsurface***

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ABSTRACT:

In this talk I will explore what we can learn by tracking water in all its phases (liquid-solid-vapor) around the globe. Using numerical models we can understand where the water that falls as rainfall originated. After rain falls on the land, we can also follow it below ground, and as it goes into rivers.

BIOGRAPHY:

As a hydroclimatologist, my work is focused on the interactions between the land and the atmosphere, and more specifically, on changes in hydrology and climate due to human modification of the land surface and greenhouse gas emissions. The two primary lines of research in my group look at land-atmosphere interaction from two perspectives: 1) the effect of climate variability and change, primarily extreme events, on surface hydrology and 2) the effect of changes in surface hydrology on climate.