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CREW is a center of the Institute of Global Environment & Society

Dear Friends,

We all know that water is a fundamental basis of life on Earth, affecting our climate, food, pollution, where we live and more. Water is life. But how do we compensate for our growing water demands with diminishing resources, drought and floods, poor management, political interferences, and more? How do we deal with a commodity that is vital for life and livelihood, precious yet scarce? Water cannot be manufactured. Water supplies are fixed!

Understanding the consequences of Earth's hydrologic cycle is the first step. Research and progress in understanding the global water cycle can produce improved forecasts for precipitation, floods and droughts which impact on our food productivity and water availability. Understanding the global water cycle can also lead to improved agriculture, transportation, and management planning requirements. After the devastating rampage of Hurricane Katrina, the public and researchers alike realized that future planning and identification of flood prone areas along with improved precipitation forecasts is crucial to society.

In 2005, I joined the [George Mason University Climate Dynamics Program](#) as the Professor of Global Hydrology, and formed the [Center for Research for Environment and Water](#) (CREW) with the mission to quantify and predict water cycle and environmental consequences of earth system variability and change through focused research investments in observation, modeling, and application. CREW conducts water and energy cycle research in an end-to-end program that transitions theoretical results to real world solutions. My personal goal is to improve global water cycle research that is of direct relevance to society, including local to global land surface-atmospheric processes. I am especially interested in applying cutting-edge research to develop practical solutions to water problems faced by society.

CREW receives funding for this vital research through competitive funded grants and donations from concerned individuals. We are a small center trying to make a difference. Can we count on your support for water cycle research to improve life?

Cordially,



Paul R. Houser

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