

## RESEARCH BRIEF FOR AFFILIATES

<b>Name</b>	Kaiyu Guan		
<b>Department/Group:</b>	Natural Resources and Environmental Sciences		
<b>Title(s)</b>	Assistant Professor	At UI Since	
<b>Your Emphasis, please check all that apply</b>	<b>Food Systems</b>		<b>Food Security</b>
	<input checked="" type="checkbox"/> Production <input type="checkbox"/> Post Farm <input type="checkbox"/> Consumer <input checked="" type="checkbox"/> Sustainability <input checked="" type="checkbox"/> Social/Economic <input type="checkbox"/> Legal/Policy		<input checked="" type="checkbox"/> Availability of food <input checked="" type="checkbox"/> Access to food <input type="checkbox"/> Utilization of Food <input type="checkbox"/> Nutrition <input type="checkbox"/> Stability of availability/access/utilization
<b>RESEARCH BIOSKETCH:</b>			
<p>Dr. Guan's project funded by the NSF: "Use of Climate Information in International Negotiation for Adaptation Resources for West Africa" used crop models to assess climate change adaptation for West Africa. He is currently conducting a study to use satellite data to estimate paddy rice crop yield in Vietnam.</p>			
<b>COUNTRIES IN WHICH YOU HAVE PAST OR CURRENT COLLABORATIONS.</b>			
West Africa, Vietnam			
<b>RELEVANT PUBLICATIONS:</b>			
<p><i>Guan, K., Sultan, B., M., Biasutti, M., Baron. C. and Lobell, D.B. (Accepted) "Assessing climate adaptation options and uncertainties for cereal systems in West Africa", Agricultural and Forest Meteorology.</i></p> <p><i>Guan, K., Sultan, B., M., Biasutti, M., Lobell, D.B. (2015) "What aspects of future rainfall changes matter for crop yields in West Africa", Geophysical Research Letters, 42(19).</i></p> <p><i>Sultan, B., Guan, K., Kouressy, M., Biasutti, M., Piani, C., Hammer, G.L., Mclean, G., and Lobell, D.B. (2014) "Robust features of future climate change impacts on sorghum yields in West Africa", Environmental Research Letters, 9(10).</i></p>			