Climate Change and Carbon Cycling in the Amazon River Continuum.

October, 2012

Dr. Patricia Yager (UGA Marine Sciences) is the principal investigator and chief scientist for the ROCA project (River Ocean Continuum of the Amazon) which has documented the large impact of the Amazon River plume on the western tropical North Atlantic Ocean ecosystem. Their work has involved significant collaborations with Brazilian scientists both "in country" along the lowerreach of the Amazon (Obidos to Macapa and Belem) as well on in the Brazil and French Guiana coastal zone (offshore from the mouth of the river). The plume covers an areas as large as half a million square miles of the ocean, and helps drawdown and sequester carbon dioxide from the atmosphere, but it's function is likely sensitive to climate change and other human impacts in the Amazon watershed.

LACSI Cross-Disciplinary Conversations

LACSI Cross-Disciplinary Conversations are 15 minute public lectures followed by 45 minutes of open discussion. Affiliates of the Latin American and Caribbean Studies Institute explain for general audiences a specific research project or address a current issue of broad importance. These events are opportunities for UGA and the surrounding community to get to know the vital work being done by LACSI’s 140+ affiliates, which now represent every college and professional school on campus.