



HUXLEY

COLLEGE OF THE ENVIRONMENT

SPEAKER SERIES PRESENTS:

Dr. John All

Western Kentucky University

An Integrated Assessment of Recent Environmental Changes in the Cordillera Blanca Mountains of Peru

Dr. All, will be speaking and showing slides about his experiences in the mountains of the world and his current projects in Peru. He has been working for several years to develop environmental science expeditions to indicator mountain ranges such as the Everest region and the tropical Andes in Peru. He is working with the American Alpine Club's Climber Science Program to build field techniques, a knowledge base, and education tools needed for long-term scientific work in the world's mountains. He will be talking about his ongoing project in the Cordillera Blanca. This range is a magnet for American climbers with over 33 peaks higher than 6000 meters and hundreds of 5000+ meter peaks. His team has already conducted a successful expedition in 2011 that gathered extensive useful data at high elevations. They took samples for key environmental indicators including CO2 concentrations, black carbon, and heavy metal deposition on the glaciers. At lower elevations, CSP-Peru team members are investigating water quality as well as vegetation and biodiversity conditions for future ecological and remote sensing studies by gathering 'ground truth' data to compare to satellite images. Dr. All is recruiting possible team members with scientific interest and mountaineering experience.

Dr. All has 24 peer-reviewed publications and he worked with the UN for 6 years as a Program Officer for the Climate Change and Human Health Initiative. He is a scientist, a climber, and a lawyer who studies how climate change and resource management interact to impact the biosphere - primarily in mountainous regions. He recently spent a year in Nepal teaching and doing research while walking over 750 miles and climbing over 50 vertical miles in elevation, usually with Nepali students in tow. He has climbed Mt. Everest (via the North Col/Northeast Ridge) without crampons, as well as Denali, Artesonraju, El Capitan, and many other mountains around the world. Currently he is the Chair of the American Alpine Club's Climber Science Program and the Expedition Director for AAC trips to Peru in 2012 and 2013.



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