



DISTINGUISHED SCHOLAR SEMINAR

Fluvial Systems, Continental Sediment Sources, Sediment Sinks, and the Human Factor in Tropical South America

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Dr. Latrubesse conducts research on fluvial and mega-geomorphology, paleogeography, and river management in Asia, Africa, Europe, and the U.S. Edgardo is one of the most experienced field geomorphologists in tropical South America, particularly the Amazon basin. Edgardo is head of the international research program “Large Rivers: long term basin evolution, morphodynamics and global change”. He is recipient of the G.K. Gilbert Award for Excellence in Geomorphologic Research by the Association of American Geographers-AAG.

SEMINAR ABSTRACT: Knowledge of river basin sediment yield at a continental scale, and accumulation in sedimentary basins, provides useful information for quantitative models of landscape evolution; geochemical and sediment mass-balance studies for estimating continental and regional net erosion intensities; and to quantify fluxes of sediments to the ocean. Although several estimates exist of sediment fluxes of large rivers, the role of continental sedimentary basins and fluvial environments acting as major sedimentary sinks is partially understood. This is additionally complicated by human activities that modify rates of production, and trapping and transfer of sediments at continental scales. Results are presented on the role of large source areas and large trapping systems at the continental scale, and sediment budgets of large rivers that have been modified by human activities.

Tuesday, December 5

2:30 – 3:30 PM

Reitz Union, room 2360

For additional details, contact Carol Lippincott at the UF Water Institute (calippincott@ufl.edu).