

New Developments in Cosmogenic Nuclide Applications to Earth Surface Processes Studies

Joint GFZ – University of Potsdam Workshop
and Graduate School lecture series

April 22, 2010, Campus Golm, Building 05, Room 106, 13:00 - 17:30

Speakers:

Hella Wittmann

Sediment production and delivery in the Amazon River basin quantified by in-situ produced cosmogenic nuclides in river sediment and recent river loads

Dirk Scherler

Timing and extent of Late Quaternary glaciation in the western Himalaya constrained by ^{10}Be moraine dating in Garhwal, India

Alexandru T. Codilean

Dissimilar ^{21}Ne , ^{10}Be and ^{26}Al abundances in individual fluvial pebbles and amalgamated sands in an arid zone catchment: geomorphology, geochemistry, or both?

Jean Dixon

Cosmogenic nuclides, chemical mass balance and the importance of where weathering happens

Jane Willenbring

Cosmogenic meteoric ^{10}Be : progress and potential applications

Samuel Niedermann

Cross-calibration of cosmogenic ^3He , ^{21}Ne , ^{10}Be and ^{26}Al : Towards a consistent set of production rates

Angela Landgraf

Using ^{10}Be and ^{36}Cl from mineral separates of the same amalgamated depth-profile samples. What can we learn?

There will be tea, coffee, and drinks during breaks and throughout the discussion session after the talks.