Holocene History of the Northern Treeline

June 26-27
Geochemistry Seminar Room
Lamont-Doherty Earth Observatory
Palisades, New York 10964 USA

List of Participants

Wally Broecker (LDEO)
Ed Cook (LDEO)
Rosanne D’Arrigo (LDEO)
George Denton (University of Maine)
Dave Frank (Swiss Federal Research Institute WSL)
Andreas Rigling (Swiss Federal Research Institute WSL)
Rashit Hantemirov (Institute of Plant and Animal Ecology)
Stepan Shiyatov (Institute of Plant and Animal Ecology)
Greg Wiles (The College of Wooster)
Konstantin Kremenetski (UCLA)
Glen MacDonald (UCLA)
Tom Guilderson (Lawrence Livermore National Lab)
Program

Day 1: June 26

09:00 Welcome, introduction, and goals of mini-conference topic -- Wally Broecker and Ed Cook
09:20 Overview of Holocene millennial-scale climate fluctuations -- George Denton
09:40 Discussion
09:50 Environmental effects on tree growth at the northern treeline -- Rosanne D’Arrigo
10:10 Discussion
10:20 Coffee Break
10:40 Regional studies #1: Eurasian treeline -- Glen MacDonald and Konstantin Kremenetski
11:00 Discussion
11:10 Regional studies #2: Yamal -- Rashit Hantemirov
11:30 Discussion
11:40 Regional studies #3: Polar Urals -- Stepan Shiyatov
12:00 Discussion
12:10 Lunch
13:30 Regional studies #4: Eurasia -- Andreas Rigling
13:50 Discussion
14:00 Regional studies #5: Eurasia -- Dave Frank
14:20 Discussion
14:30 Regional studies #6: Alaska -- Greg Wiles
14:50 Discussion
15:00 Coffee Break
15:20 Stable isotope analysis of relic treeline wood – Wally Broecker
15:40 Discussion
15:50 Radiocarbon dating of relic treeline wood – Tom Guilderson
16:10 Discussion
16:20 Open Discussion on what do we know, what we can learn from further analyses of existing data and wood collections, where we need more data and samples taken, what new kinds of measurements would be useful, etc.
17:00 Ice Breaker with beer, wine, etc.
19:00 Conference dinner at Pasta Amore in Piermont
Day 2: June 27

09:00 Refresh on what we know, what we don't know, what we would like to know, and how we might go about knowing it -- Ed Cook

09:20 What resources are available to help make it all happen -- Wally and Ed will lead this discussion

10:30 Coffee Break

11:00 Open Discussion

12:00 End of mini-conference and lunch

An open invitation is given to all participants to tour Lamont and visit the Lamont Tree-Ring Lab after the end of the mini-conference. For those staying over Tuesday night, there is an opportunity to go to O’Donoghue’s Pub in Nyack for beer and 10 cent chicken wings, a Tuesday night tradition.