

Nordic workshop on Cosmogenic Nuclide Dating

Aarhus, 11th - 13th June, 2014

WEDNESDAY

12.00 – 13.00	People arrive – sandwiches available...	15.15 – 16.00	The application of cosmogenic noble gas isotopes for studies of landscape development Finlay Stuart, SUERC, UK
13.00 – 13.10	Welcome	16.00 – 16.25	Cosmogenic Ne-21 attesting a minimum age of 170 ka for a high-altitude, low-relief geomorphic surface in Troms County, Norway Samuel Niedermann, GFZ, Germany
13.10 – 13.55	Burial dating of late Cenozoic sediments in the Canadian Arctic John Gosse, Dalhousie University, Canada	16.25 – 16.50	Chemical control of cosmogenic ^3He production rate in minerals A. Carracedo Plumed, SUERC, UK
13.55–14.20	Re-exhumed sediment dating using cosmogenic ^{10}Be, ^{26}Al and ^{21}Ne Ángel Rodés, SUERC, UK	16.50 – 17.15	The new multi-isotope AMS facility at Aarhus University Jan Heinemeier, AU, Denmark
14.20 – 14.45	Cataclysmic drainage of Glacial Lake Vitim, Siberia, constrained with ^{10}Be depth-profiles, exposure dating & OSL John Jansen, University of Wollongong, Australia	17.15 – 18.30	Visit at the AMS Lab
14.45 – 15.15	Coffee break	19.00 -	Dinner at "Geoscience"

THURSDAY

9.00 – 9.45	Glacial landscape evolution and its ^{10}Be legacy in rock and sediment Robert Anderson, University of Boulder, USA	13.25 – 13.50	Glacial chronology deduced from cosmogenic ^{10}Be radionuclide dating in La Culata valley, Venezuelan Andes Isandra Angel, Grenoble, France
9.45 – 10.10	Title to be announced Bradley Goodfellow, Stockholm University, Sweden	13.50 – 14.15	Ice dynamics and deglaciation in SW Norway constrained by LiDAR mapping and cosmogenic exposure ages Ola Fredin, NGU, Norway
10.10 – 10.35	Periglacial response to late Cenozoic cooling Jane Lund Andersen, AU, Denmark	14.15 – 15.10	Burial and Exposure History of Rock Surfaces Revealed by Luminescence Dating: Implications for Cosmogenic Nuclide Surface Exposure Dating from Case Studies in Norway and China Reza Sohbati, AU & DTU, Denmark
10.35 – 11.00	Coffee break	15.10 – 15.35	Coffee break
11.00 – 11.45	Tracking glacial erosion in the Alps with ^{10}Be, ^{36}Cl and in situ ^{14}C Susan Ivy-Ochs, ETH Zürich, Switzerland	15.35 – 16.30	Extended discussion
11.45 – 12.10	A multi-nuclide approach to constrain past erosion rates in previously glaciated terrains Mads Faurschou Knudsen, AU, Denmark	17.30 -	Bus transport + stroll to "Skovmøllen" where dinner will be served
12.10 – 13.00	Lunch		
13.00 – 13.25	Refining the deglaciation chronology in the High Alps based on cosmogenic Be-10 Christian Wirsig, ETH Zürich, Switzerland		

FRIDAY

9.00 – 9.45	^{10}Be remote sensing of Greenland Ice Sheet history Paul Bierman, The University of Vermont, USA	10.10 – 10.35	Reconstructing spatial and temporal patterns of paleoglaciation and glacial erosion across Central Asia Arjen Stroeven, Stockholm University, Sweden
9.45 – 10.10	Glacial exposure dating – a global compilation Jakob Heyman, Stockholm University, Sweden	10.35 – 12.00	Discussion (coffee and cake available)
		12.00 – 13.00	Goodbye – sandwiches available