

Subglacial Antarctic lake exploration: first results and future plans

Monday 30 – Tuesday 31 March 2015

Organised by Professor Martin Siegert, Professor John Priscu, Dr Irina Alekhina, Professor Jemma Wadham and Professor Berry Lyons

DAY 1				DAY 2			
SESSION 1: Subglacial environments and habitats for life Chair: Berry Lyons		SESSION 2: The role of subglacial lakes in basal hydrology and ice dynamics Chair: Irina Alekhina		SESSION 3: Sedimentary records in subglacial lakes Chair: Jemma Wadham		SESSION 4: Technological challenges in the exploration of subglacial lakes Chair: John Priscu	
09:00	Welcome by Peter Knight FRS & Martin Siegert						
09:05	Dr Jill Mikucki Geomicrobiology: Lake Whillans	13:30	Helen Fricker Satellite remote sensing	09:00	Slawek Tulaczyk Every lake is special: Geologic and glaciologic basis for diversity of Antarctic subglacial lakes	13:30	Vladimir Lipenkov Lake Vostok access programme
09:30	Discussion	14:00	Discussion	09:30	Discussion	14:00	Discussion
09:45	David Pearce Microbiology: Lake Ellsworth	14:15	Neil Ross	09:45	Dominic Hodgson Technologies for retrieving sediment cores in Antarctic subglacial settings	14:15	Keith Makinson Lake Ellsworth access programme
10:15	Discussion	14:45	Discussion	10:15	Discussion	14:45	Discussion
10:30	Coffee	15:00	Tea	10:30	Coffee	15:00	Tea
11:00	Sergey Bulat Microbiology: Lake Vostok	15:30	Frank Pattyn Numerical modelling of ice sheets and subglacial lake interaction	11:00	Robert McKay Sedimentary climate records: ANDRILL and beyond	15:30	Frank Rack Lake Whillans access programme
11:30	Discussion	16:00	Discussion	11:30	Discussion	16:00	Discussion
11:45	John Parnell Physical and Chemical controls on life in the deep subsurface	16:15	Duncan Young Airborne glacier geophysics	11:45	German Leychenkov Geology and Environments of Subglacial Lake Vostok	16:15	Mahlon C Kennicutt Summary of discussions and closing remarks
12:15	Discussion	16:45	Discussion	12:15	Discussion		
12:30	LUNCH	17:00	CLOSE	12:30	LUNCH	17:00	CLOSE