



LIVERPOOL GEOLOGICAL SOCIETY

NEWSLETTER

13/02/2018

February 20

meeting at 7.30pm

in Lecture Theatre 137 of Liverpool John Moores University,
Byrom Street L3 3AF

This is a joint meeting with the North West Group of the Geological Society of London

Prof Richard Chiverrell University of Liverpool **Learning lessons from Lake Sediments**

Lakes and their sediments provide a window on a range of environmental histories. Amongst the examples presented will be the first quantified lake sediment reconstruction of flood frequency and magnitude for the last 500 years for the British Isles. This record from Bassenthwaite Lake allows a more accurate estimation of the recurrence probability of rare floods and the magnitude of extreme flooding. We show for the current phase of devastating (1990-2016) flooding in the 350 km² Derwent catchment (NW England) the 2009 event was the largest in >400 years and had an estimated recurrence interval far larger (1:9000 year) than revealed using short term gauged records (1:200 year). The 2009 and later 2015 (Storm Desmond) floods are part of a flood cluster (1990-2016) that is unprecedented since 1515 for this catchment. Other themes explored including using lakes to better understand histories of the fluxes of carbon, phosphorus and other nutrients from catchments to lake basins and the controls over these fluxes.....

Herdman Symposium - The 'Centenary Symposium'

will be held on Saturday 17 February 2018 at the University of Liverpool, Central Teaching Lab. Presentations (from 10am-5pm) include; fossil sharks, low carbon aggregates, continental breakup, igneous intrusions, faults and geology for global development. Details and tickets are available at <https://tinyurl.com/Herdman2018>. LGS members are entitled to register for a reduced rate.

CONTACTS

To make contact with officers of the society, please use the addresses given here. This information is also available on the contacts page of the website at: www.liverpoolgeologicalsociety.org

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