

3rd PALEOVAN Post Drill Science Meeting

November 1-2, 2012

Steinmann Institute for Geology, Paleontology and Mineralogy

Nussallee 8

53115 Bonn

Participants

Flavio Anselmetti

Henrike Baumgarten

Namık Çağatay

Deniz Cukur

Kaspar Gaggeler

Clemens Glombitza

Georg Heumann

Jens Kallmeyer

Rolf Kipfer

Sebastian Krastel

Ola Kwiecien

Thomas Litt

Martin Mager

Nadine Pickarski

Marie-Ève Randlet

Hans-Ulrich Schmincke

Mari Sumita

Mona Stockhecke

Yama Tomonaga

Luigi Vigliotti

Tina Wollschläger

Thomas Wonik

Preliminary program

Thursday, November 1st (14:00)

Lecture room 24 (Steinmann-Institute, Nussallee 8)

1 Welcome

Thomas Litt

Aims and structure of the 3rd PALEOVAN Post Drill Science Meeting 2012

2 Seismic & Paleomagnetic Investigations

Deniz Cukur

Seismic stratigraphy of Lake Van, Eastern Turkey: Tectonic, volcanic, and paleoclimatic implications

Henrike Baumgarten

Downhole logging at Ahlat Ridge: improved cluster analysis and physical properties of lithological units

Luigi Vigliotti

Magnetic Characterization of the Lake Van Sediments

Coffee Break (15:30 – 16:00)

3 Lithology and Stratigraphy

Mona Stockhecke

News from the lithological perspective and paleohydrological and paleoenvironmental implications

Namık Çağatay

Northern Basin: Radiocarbon, Stable Isotopes, TOC-TIC and XRF Data

Nadine Pickarski

Pollen analyses of the last 130,000 years

Thomas Litt

Pollen and isotopes of the older glacial-interglacial cycles

Ola Kwiecien

Ostracods in Lake Van - one more wiggle curve or a new tool in paleoenvironmental reconstruction?

Dinner at Gasthaus Nolden (19h30)

<http://www.gasthaus-nolden.de/>

Friday, November 2nd (9:00)

Seminar room 108 (Steinmann-Institute, Nussallee 8)

4 Terraces, Volcanism and Noble Gases

Martin Mager

Formation of the quaternary terraces at Lake Van

Hans-Ulrich Schmincke / Mari Sumita

Compositional and temporal evolution of tephra with implications for climate and lake level changes

Yama Tomonaga

Noble gases in Lake Van, quo vadis?

Coffee Break (10:30 – 11:00)

4 Microbiology and Biomarkers

Jens Kallmeyer

Microbial abundance in Lake Van sediments and sulfate reduction influenced by dissolved organic matter quality

Clemens Glombitza

Contribution to pore water chemistry discussion – a simplified calculation of total alkalinity from measured anion concentrations

Marie-Ève Randlet

Precipitation / evaporation ratios change during MIS 5 and DO events: indications from biomarkers δD and porewater salinity

5 Final Discussion (12:30 – 13:30)