International Symposium on Eolian Dynamics, Paleosols and environmental Change in Drylands

La Oliva, Fuerteventura, Spain
13 – 16 March, 2017

P R O G R A M

Monday, 13.03.2017

8:00 h Reception desk is open
9:00 h Introduction and Welcome

9:30 - 11:10 Session I - Contemporary Dynamics

9:30 – 9:50 Erosion and deposition rates in Barchan dunes
M.J. Sánchez et al.; Instituto de oceanografía y cambio global, Las Palmas de Gran Canaria (IOCAG), Spain

9:50 – 10:10 Airborne fissure fillings of karstified limestones in the Carpathian Basin
János Kovács; University of Pecs, Hungary

10:10 - 10:30 Contemporary saharian dust deposits on La Palma
Bruno Glaser; University of Halle, Germany

10:30 - 10:50 Oxygen stable isotope systematics of small land snails from North America
Yurena Yanes et al.; University Cincinnati, USA

10:50 – 11:10 Effects of land use in Mongolian Drylands
Wolfgang Zech et al.; University of Bayreuth, Germany

11:10 - 11:40 Coffee-Break
11:40 - 13:00 Poster Session
13:00 - 14:30 Lunch
14:30 – 16:30  
**Session II - Varia**

14:30 – 14:50  
Environmental changes of Dahab coastline – Gulf of Aqaba, Sinai

Magdy Torab; University of Damanhour, Egypt

14:50 – 15:10  
Packrat midden faecal pellets as paleoclimate archive for biomarker and stable isotope analyses or 'shit happens’ - but under which climate?

L. Bittner; Halle University, Germany

15:10 – 15:30  
Impact of Early-glacial (± 112-70 ka) climatic oscillations on the European continental environments: new evidences from pedosedimentary sequences

Pierre Antoine; CNRS, Medon, France

15:30 - 15:50  
The geomorphic and paleoenvironmental significance of sandy lunettes at Lake Callabonna

Jan-Hendrik May; Institute of Geology, University of Freiberg, Germany

15:50 – 16:10  
Radiocarbon dating of leaf waxes in loess-paleosols - state of Research

Roland Zech; University of Bern, Switzerland

16:10 – 16:30  
Global extent of Aridisols and other climatically significant soils at the Middle Miocene Thermal Maximum (~16 Ma)

Christine Metzger; California Collage of Arts, USA

**16:30 – 17:00**  
**Coffee-Break**

**17:00 – 19:00**  
**Session III - Canary Islands**

17:00 – 17:20  
Stratigraphy of eolian deposits at Northern Lanzarote Island (Spain) bearing terrestrial fossils.

Alejandro Lomoschitz et al.; University of Las Palmas de Gran Canaria, Spain

17:20 – 17:40  
Provenience studies of beach-dune sediments and sedimentary rocks (marine terrace, beachrock, aeolianite...
and paleosoil) in the coastal zone of Corralejo Natural Park (Fuerteventura Island, Spain)

Patricia García-Sanjosé et al.; Instituto de oceanografía y cambio global, University de Las Palmas de Gran Canaria (IOCAG), Spain

17:40 – 18:00 Leaf waxes from loess-paleosol sequences on Fuertaventura and their potential for paleoenvironmental and -climate reconstructions

Julian Struck; University of Bern, Switzerland

18:00 – 18:20 Geomorphologic evolution of a declining dune. The case of El Jable, Lanzarote, Spain

Laura Cabrera; Instituto de oceanografía y cambio global, University de Las Palmas de Gran Canaria (IOCAG), Spain

18:20 – 18:40 Sedimentological characteristics of the underlying materials of Maspalomas dune field (Gran Canaria). Insights into the formation.

Ignacio Alonso Bilbao; Instituto de oceanografía y cambio global, University de Las Palmas de Gran Canaria (IOCAG), Spain

18:40 - 19:00 Aeolian input of Gran Canaria paleosols and Saharan desert dynamic. Case study of an Early Pleistocene subtropical paleosol

Inmaculada Menéndez González et al.; University of Las Palmas de Gran Canaria, Spain

Tuesday, 14.03.2017

9:10 – 10:50 Session IV - Loess Regions

9:10 – 9:30 Maylpaisomis insularis (Hutterer, López-Martínez & Michaux 1988) and Haliaeetus sp. Comments on the terrestrial fauna of the Pleistocene of the isthmus of Jandía, Fuerteventura (Session Canary Islands)

Juan Fransisco Betancort; University of Las Palmas de Gran Canaria, Spain

9:30 – 9:50 Loess in Tunisia

Sascha Meszner; TU Dresden, Germany
9:50 – 10:10  Loess chronology in Iran
               Manfred Frechen et al.; BGR, University of Hannover, Germany

10:10 – 10:30  Cold spells in interior Iberia across the last glacial cycle, and implications for cultural turnover periods - A study on aeolian archives
               Daniel Wolf et al.; TU Dresden, Germany

10:30 – 10:50  New detailed environmental reconstruction at the northern side of the north European loess belt at the end of the last Glacial and comparison with the adjacent coversand belt
               Jef Vandenberghe; Free University of Amsterdam, Netherlands

10:50 – 11:20  Coffee-Break

11:20 -13:00  Poster Session

13:00 – 14:30  Lunch

14:30 – 16:10  Session V - Loess in general

14:30 – 14:50  Understanding of the controls on board-scale dust emissions: patterns of temporal variability in dust deposition during the Holocene in the Australasia region
               Samuel Marx; The University of Wollongong, Australia

14:50 – 15:10  Methodology of application of advanced statistical techniques for the study of aeolian deposits
               Ruben Calvo Zapata; University of La Mancha, Spain

15:10 – 15:30  Saharan dust addition to Pleistocene interglacial Carpathian Basin
               György Varga; Research Centre for Astronomy and Earth Sciences, Hungarian Academy of Sciences, Hungary

15:30 – 15:50  Biomarker analyses in desert loess - potential and first results from the Black Rock Desert, Utah, USA
               Michael Zech; TU Dresden, Germany

15:50 – 16:20:  Coffee-Break
16:20 - 16:40  Wet red beds – dry red beds: the story of Late Palaeozoic aridisation
Jörg Schneider; University of Freiberg, Germany

16:40 - 18:30  **Introduction to the Field Trip**
Christopher Roettig, Thomas Kolb, Ludwig Zoeller, Dominik Faust
Uni Bayreuth & TU Dresden, Germany

**Organisation issues**

**Final discussion  - Final remarks**