

# **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**

<b>8:00 h</b>	<b>Reception desk is open</b>
<b>9:00 h</b>	<b>Introduction and Welcome</b>
<b>9:30 – 11:10</b>	<b>Session I - Contemporary Dynamics</b>
9:30 – 9:50	Erosion and deposition rates in Barchan dunes M.J. Sánchez et al.; Instituto de oceanografía y cambio global, University de 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
<b>11:10 – 11:40</b>	<b>Coffee-Break</b>
<b>11:40 – 13:00</b>	<b>Poster Session</b>
<b>13:00 – 14:30</b>	<b>Lunch</b>

**14:30 – 16:30**

**Session II - Varia**

14:30 – 14:50

Environmental changes of Dahab coastline – Gulf of Aqaba, Sinai Peninsula, Egypt

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 ( $\pm 112-70$  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 (Central Australia)

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)

Patrica 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**
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- 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 paleosols in the 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**