



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

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

We are pleased to inform you that the conference planning is almost finished. We have an interesting program with plenty of time for poster presentation and discussion. We have in total 27 oral presentation and 10 Poster presentations.

We will meet at the ‘Teatro Raiz del Pueblo’ in the town of La Oliva/Fuerteventura in the ‘Calle Francisco Fuentes 11. The welcome desk is open at 8 o’clock.

Registration fees (including field trip, proceedings, coffee & tea): **80 Euro**

Young researchers, early career scientists, PhD-students and escort: **50 Euro**

As you are already registered we would like you to pay cash at the conference desk where you will receive the abstract book and the field trip guide.

Please note that time for oral presentation is 15 minutes with further 5 minutes for discussion. We kindly ask you to respect this time limit.

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, 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 Environmental changes of Dahab coastline – Gulf of Aqaba, Sinai Peninsula, Egypt
Magdy Torab; University of Damanhour, Egypt
- 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 The Tologoi record: a terrestrial key profile for the reconstruction of Quaternary environmental changes in semiarid Southern Siberia
Wolfgang Zech et al.; University of Bayreuth, Germany
- 14:50 – 15:10 Packrat midden faecal pellets as paleoclimate archive for biomarker and stable isotope analyses or 'shit happens' - but under which climate?
Lucas 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 (Central Australia)
Jan-Hendrik May; 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 and sedimentological interpretation of Pliocene 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.; IOCAG, University de Las Palmas de Gran Canaria, 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 oceanografia y cambio global (IOCAG), University de Las Palmas de Gran Canaria Spain
- 18:20 – 18:40 Sedimentological characteristics of the underlying materials of Maspalomas dune field (Gran Canaria). Insights into the formation.
Ignacio Alonso Bilbao; IOCAG, University de Las Palmas de Gran Canaria, 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 – 15:50 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

Please feel free to contact us if you need further information:

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Steering committee:

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Dr. Constantino Criado (Universidad de la Laguna, Spain)

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Dr. Will Fletcher (University of Manchester, United Kingdom)

Dr. Penélope González-Sampériz (CSIC Zaragoza, Spain)

Dr. Inmaculada Menéndez-González (IOCAG, Universidad de Las Palmas, Spain)

Dr. Joel Roskin (University of Haifa, Israel)

Dr. Daniel Wolf (TU Dresden, Germany)

Dr. Yurena Yanes (University of Cincinnati, USA)

Dr. Ludwig Zöllner (University of Bayreuth, Germany)

