



GEODUST 2017



GEOMORPHOLOGY OF DUST SOURCES AND DYNAMICS OF DUST EMISSION FROM DIFFERENT GEOMORPHIC UNITS

Second meeting of the GEODUST International Focus Group
of the INQUA TERPRO Commission

Gobabeb, Namibia October 22–27, 2017



Organizing and scientific committee

Frank Eckardt (University of Cape Town)

Onn Crouvi (Geological Survey of Israel)

Andrea Zerboni (Università degli Studi di Milano)

Kerstin Schepanski (Leibniz Institute for Tropospheric Research)

Matthew Baddock (University of Loughborough)



GEODUST 2017 – Talks

22 October

Onn Crouvi (GSI, Jerusalem) and Andrea Zerboni (University of Milano)
Introduction to the GEODUST IFG of INQUA and communications from INQUA-TERPO Commission

Frank Eckardt (University of Cape Town)
A brief introduction to the field trips around Gobabeb: between geology and dust

Tibor Dunai (University of Cologne)
Denudation and incision history of the Central Namib

23 October

Kerstin Schepanski (Leibniz Institute for Tropospheric Research)
The atmospheric dust life-cycle

Kaukuranee Kanguuehi (University of Stellenbosch)
Trace metal concentration and solubility of aerosols from southern African sources transported over the Benguela Current

Jorè Von Holdt (University of Cape Town)
Aeolian dust emission forms and processes across spatial scales: towards closing the gap

Guido S. Mariani (University of Milano)
Short range transport of dust and aeolian sand and soil aggradation in the Northern Apennines (Italy)

24 October

Oliver Bödeker (University of Cologne)
System of aeolian age

Sarlotte Kalenga (University of Cape Town)
Tire track density on gravel plain surfaces in the central Namib Desert

Stefanie Feuerstein (Leibniz Institute for Tropospheric Research)
Dust activity of the Etosha Pan – First insights into the airborne measurement campaign ALLDUST-sA in August/September 2017

Ofer Lavi-Bekin (Ben-Gurion University of the Negev)
Spatial distribution of dust source activation frequency in North Africa derived from MSG-SEVIRI 3km data



25 October

Tibor Dunai (University of Cologne)

A brief introduction to the project CRC1211 Earth - Evolution at the dry limit

Projection of the documentary film on the Gobabeb Training and Research Centre

26 October

General discussion on talks, field trips, and future actions of the GEODUST IFG.

Night tour along the Kuiseb River

