

# **GEODUST 2016**

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

**First meeting of the GeoDust International Focus Group  
of the INQUA TERPRO Commission  
Tropos, Leipzig, 21-22 November 2016**



**Organized with the support of  
Leibniz Institute for Tropospheric Research, Geological Survey of Israel,  
Università degli Studi di Milano**

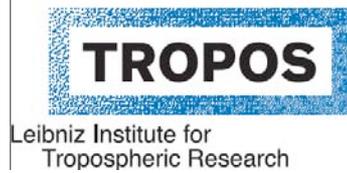
### **Organizing and scientific committee**

Andrea Zerboni (Università degli Studi di Milano)

Onn Crouvi (Geological Survey of Israel)

Kerstin Schepanski (Leibniz Institute for Tropospheric Research)

Frank Eckardt (University of Cape Town)



## Programme of the meeting

*November the 21<sup>nd</sup>, Monday:*

18:45 – Meeting at the Volkshaus restaurant for an informal ice-break dinner

*November the 22<sup>nd</sup>, Tuesday:*

9:00 – Opening of the meeting at Leibniz Institute for Tropospheric Research

9:30-10:00 – Onn Crouvi (Geological Survey of Israel)

*Presentation of the INQUA GeoDust project: aims and strategy*

10:00 – Invited talks (20 minutes + discussion)

10:00-10:30 – Daniela Kröhling (CONICET & Universidad Nacional del Litoral, Argentina)

*The dust emission from the central Andes, its role as source of the Chaco-Pampean loess*

10:30-11:00 – *Coffee break*

11:00-11:30 – Frank Eckardt (University of Cape Town)

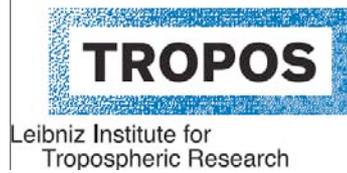
*Southern African dust sources*

11:30-12:00 – Kerstin Schepanski (Leibniz Institute for Tropospheric Research)

*Spatio-temporal distribution of North African dust sources and their variability*

12:00-12:30 – General discussion

12:30-14:00 – *Lunch break at Tropos canteen*



14:00-16:00 – Presentations of participants (15 minutes + discussion)

14:00-14:20 – Tom Mockford et al. (Loughborough University)

*Geomorphological and sedimentological controls on Icelandic dust emissions: observations from Markarfljot, South Iceland*

14:20-14:40 – Nitzan Swet et al. (Ben Gurion University of the Negev)

*Experimental study of aeolian dust emission from sands under saltation*

14:40-15:00 – Ofer Lavi-Bekin et al. (Ben Gurion University of the Negev)

*High resolution mapping of dust sources in Northern Africa reveals diverse geomorphological sources*

15:00-15:20 – Christian Opp et al. (Philipps-Universität Marburg)

*Long-term and short-term dust deposition in Central Asia – Closing the knowledge gap caused by the emerging Aralkum*

15:20-15:40 – Davide Fugazza et al. (Università degli Studi di Milano)

*Dust on glaciers: quantification, sources and effects*

15:40-16:00 – Roberto S. Azzoni et al. (Università degli Studi di Milano)

*Dust on glaciers: sources and impacts*

16:00-16:20 – Matt Baddock (Loughborough University)

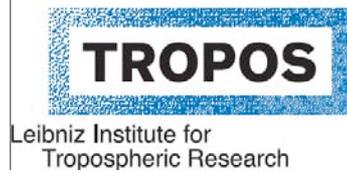
*Linking geomorphology to dust emission: concepts, approaches and results*

16:30-16:50 – *Coffee break*

16:50 – General discussion and future actions of the INQUA GeoDust IFG

18:00 – Conclusion of the meeting

19:00 – Social dinner at the Ratskeller



## Venue

The workshop takes place at the Leibniz Institute for Tropospheric Research (TROPOS).

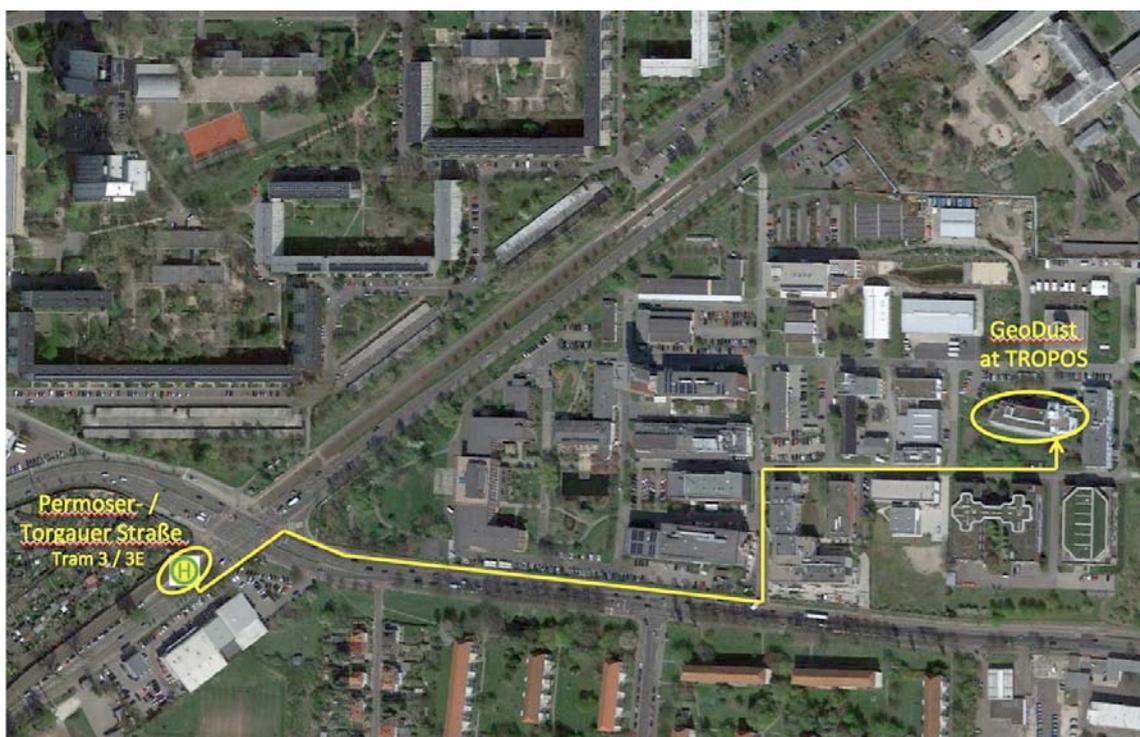
Address:

Leibniz Institute for Tropospheric Research  
Permoserstrasse 15, 04318 Leipzig, Germany

## How to get to GeoDust 2016

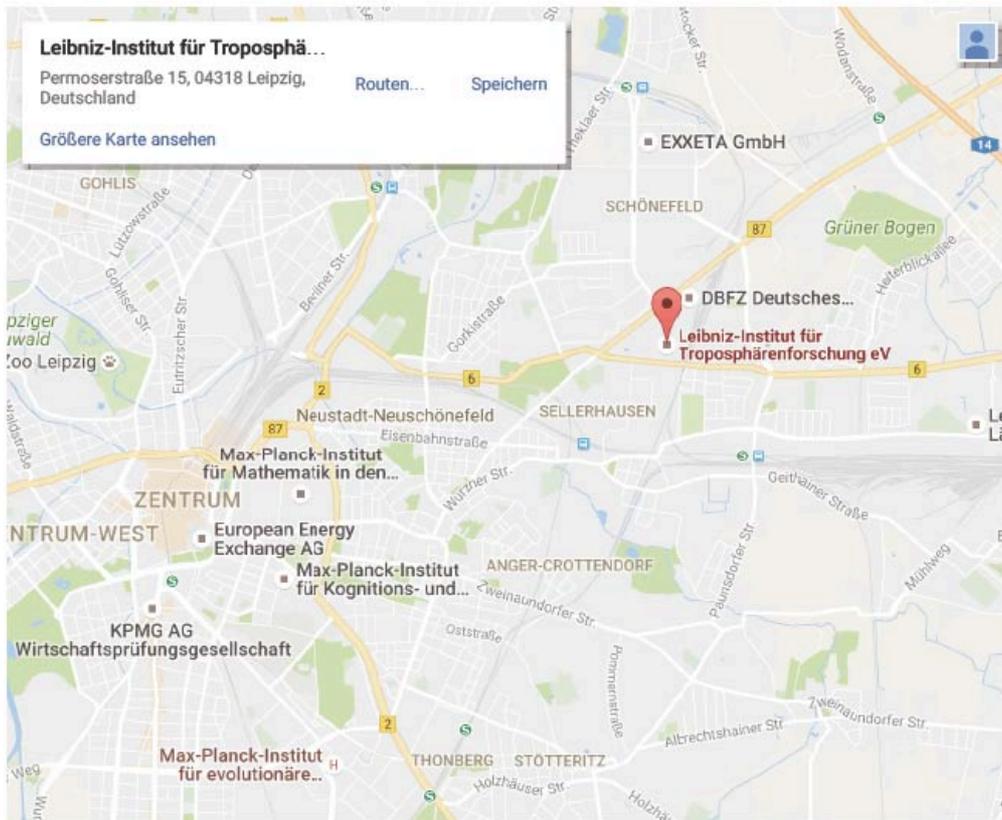
From the main station ("Hauptbahnhof"), there is a direct tram connection to TROPOS every 10 minutes. Take tram 3/3E, direction: "Taucha"/"Sommerfeld" and get off at "Permoser-/Torgauer Straße" (7 stops). You can find more information and schedules under <https://www.l.de/verkehrsbetriebe/> (only available in German). Tickets can be bought at the tram stop or directly in the tram (here you will need coins). A single ticket is 2,60€.

When you arrive at "Permoser-/Torgauer Straße", turn right and walk down Permoser Street until you reach the front gate of the Science Park on the left. Tell the securities at the entrance that you attend a workshop at TROPOS and they will let you in. After the gate, take the first street on the right and follow it until you reach the TROPOS building (last building on the left). The workshop will take place in the first room on the right after you entered the building (seminar room 23.1).





Leibniz Institute for  
Tropospheric Research





## Social events

For all of you who arrive in Leipzig on Monday already, there is the option for a joint ice-break dinner at Volkhaus on **Monday the 21<sup>st</sup> at 7 pm**. The location is south of the city centre. To get there, take tram 10 or 11 from one of the tram stops in the centre, e.g. main station (Hauptbahnhof), Augustusplatz, Wilhelm-Leuschner-Platz, directions "Löbnig"/"Dölitz" or "Markkleeber-Ost". Get off the tram at "Hohe Straße".

There will be another dinner at the Ratskeller on **Tuesday the 22<sup>nd</sup> 7 pm**. The Ratskeller is located in the city centre, so you can easily walk there if your hotel is located somewhere in the centre. Otherwise, take a tram to Wilhelm-Leuschner Platz, Augustusplatz, Goerdelerring, Thomaskirche or Hauptbahnhof and walk from there. Be prepared to meet a lot of people in the city centre since the Christmas Market opens on Tuesday. Therefore, it can be a bit crowded.

