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**Sand seas and dune fields of Egypt**

Bubenzer, O.<sup>1</sup>, Embabi, N.S.<sup>2</sup> and Ashour, M.M.<sup>2</sup>

<sup>1</sup>Institute of Geography, University of Cologne, Albertus-Magnus-Platz, 50923 Cologne, Germany, olaf.bubenzer@uni-koeln.de

<sup>2</sup>Department of Geography, Faculty of Arts, Ain Shams University, Cairo, Egypt

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The talk gives an overview of distribution, sizes, dynamics, and ages of the sand seas (N = 6) and dune fields (N = 7) in Egypt. Sand seas are covering about 23.8% (with an average sand coverage of 74.8%), dune fields about 4.4% (with an average sand coverage of 31.4%) of Egypt (1,001,450 km<sup>2</sup>). Longitudinal dunes and barchans are dominating. However, nearly all dune forms can be observed in Egypt. Chronological data (OSL, TL), provided for the "INQUA Dune Atlas" (Lancaster et al. 2015), exist for three of the six sand seas.

Evolution and development of the Egyptian sand seas and dune fields will be discussed in the supra-regional context with regard to grain size, wind circulation, vegetation cover, sand mobility, groundwater influence, human impact, and hazard potential.

Some of the named dune fields are described for the first time. The paper summarizes also recent studies which were published only in Arabic.

*References:*

[1] Lancaster N, Wolfe S, Thomas D, Bristow C, Bubenzer O, Burrough S, Duller G, Halfen A, Hesse P, Roskin J, Singhvi A, Tsoar H, Tripaldi A, Yang X and Zárate M. (2015) Quat. Int. (doi.org/10.1016/j.quaint.2015.10.044)

