Weathering damage on Pharaonic sandstone monuments in Upper Egypt

Monuments under investigation

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The Pharaonic stone monuments in Upper Egypt represent cultural heritage of outstanding universal value. All monuments have suffered weathering damage. In the year 2000 an Egyptian-German research co-operation was started aiming at the systematic investigation of stone weathering on the historical monuments in Upper Egypt as a contribution to monument preservation. Pilot studies were carried out on the Karnak Temple, Luxor Temple, Horus Temple and Hathor Temple, composed of sandstones originating from the Gebel el-Silsila region. Results on the petrographical properties of these sandstones and their state of weathering damage on the Pharaonic temples in Upper Egypt are presented.



