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Abstract

Sandstürme im Tarim-Becken: Ursachen und sozio-ökonomische Folgen

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Sandstorms are a typical, yet hazardous phenomenon in the Tarim Basin that is basically caused by certain meteorological frame conditions, but its disastrous socio-economic impact is strongly affected by man. Frequency and intensity of sandstorms and their associated negative human and societal impact have increased in the recent past making the Tarim Basin a more vulnerable region claiming, at the same time, for a more sustainable landuse to providing a safer livelihood environment to the growing population. The Tarim Basin is suffering from a growing extent of desertification claiming for a more sustainable water use and protecting the scarce water resources available. It is shown that under favourable irrigation conditions, agriculture plays a significant role, despite a growing risk of harmful sandstorms.