

## Using Satellite Data for Automatic Detection of Natural Hazard Events

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**Abstract.** The satellite data for atmosphere is the most important source of information for monitoring of regions without or with very rare environment research facilities. The observations from space allows monitoring of the most distant places as well as parallel observations of very large areas and distant sites. The acquired information may be useful and helpful to risk events, as forest fires or mineral dust transport, to be detected, traced back and forward in their transport and analyzed. For this purpose a specially created system for automatic atmosphere event detection based on available open data from NASA satellites are created. The presented paper describes the basic functionalities and possibilities of this system.