

SFB/TR 8 Spatial Cognition / IQN Video Conference

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Geosensor networks – current research at ikg

Geosensor networks for the observation and monitoring of environmental phenomena are a recent trend in GIScience. What is new – as opposed to traditional geodetic networks – is the fact that different sensors act independently, have the capability to communicate and thus the network is able to operate beyond the individual sensors' capabilities. In this way, the network as such is more than the sum of the individual sensors. Besides their own position, geosensors capture information about the environment, such as temperature or humidity. In the context of engineering geodesy, sensor networks are used for monitoring purposes, e.g. to observe and monitor georisks such as landslides.

In the talk, different aspects of geosensor networks are presented using examples from research at the institute of Cartography and Geoinformatics (ikg).

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informelle Kaffeerunde: 15:15

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