

Trans weather patterns - are there new hazards emerging?

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Current climate conditions are already giving rise to a higher public awareness for hazardous consequences. A factor which is not be underestimated is emerging from regionalized climate scenarios: We may be seeing new weather patterns emerging which cannot be assessed concerning their local effects. These will probably manifest in different advection trajectories as well as there will be change air mass properties, eg. with respect to a higher liquid water content. First results using a statistical method in which decade-specific climatologies of weather patterns are objectively derived will be shown. These patterns will be synoptically interpreted focusing on their risk potential.