

**10<sup>th</sup> Water Research Horizon Conference 2019**  
**18-19 June 2019 | Geozentrum Hannover**

Information of Open Space Workshop a:

<p><b>Title of the workshop</b></p>	<p>From heavy precipitation to flash floods: forecast, adaptation or management?</p>
<p><b>Moderator*s/ organisator*s</b></p>	<p>Markus Weiler, Freiburg University</p>
<p><b>Objective of the workshop</b></p>	<ol style="list-style-type: none"> <li>1) Define tools and methods that are adequate and scientifically rigor for modelling flash floods</li> <li>2) Develop an approach for sustainable flash flood management</li> </ol>
<p><b>Expected outcome</b></p>	<p>A guideline for does and don'ts for heavy precipitation and flash flood modelling and management, according to the overarching requirements at the EU or state level.</p>
<p><b>Short abstract of the topic</b></p>	<p>The different methods and approaches for predicting flash floods, from precipitation radar derived methods neglecting hydrological processes to methods considering the combined factors affecting flood generation and its implementation into a statistical framework, will be presented and discussed. Considering the relevant spatial and temporal scales, the relevance of appropriate hydraulic models will be considered and discussed in combination with appropriate rainfall-runoff models. The idea of the workshop is to define does and don'ts when modelling and managing flash floods based on scientific considerations and practical procedures.</p>

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<b>Planned course</b>	<ol style="list-style-type: none"><li>1) Presentation of background information</li><li>2) Discussion and agreement of does and don'ts for heavy precipitation and flash flood modelling and management (format depends on number of participants)</li></ol>
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