The European Flood Alert System EFAS

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The European Flood Alert System (EFAS) prototype is running pre-operationally for the whole Europe since 2005. EFAS is providing 3-10 day hydrological forecasts (deterministic and probabilistic) for 22 hydrological national services, covering most of the trans-national river basins in Europe. Interesting aspects of the system, forecasting results and verification approaches are presented in the following presentation.

After the potential advantages of such a system, the EFAS technical setup and the EFAS threshold approach are explained. Several EFAS forecasting products are presented: Hydrographs with alarm thresholds, spaghetti plots and historical diagrams (deterministic and probabilistic). The creation of the EFAS total probability maps are illustrated. These maps summarize most of the important information, including persistence, in just one hydrological forecast map.

Last but not least the EFAS interactive web-interface (password-protected and only for EFAS-partners) is introduced and the way forward shown.



























