



The D-PHASE Operations Period (DOP)

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D-PHASE (*Demonstration of Probabilistic Hydrological and Atmospheric Simulation of flood Events in the Alpine region*) is the WWRP Forecast Demonstration Project related to the *Mesoscale Alpine Programme* (MAP, the 1st WWRP RDP). It focuses on the demonstration of and improvement in forecasting (heavy) precipitation events and related flooding in the Alps. In that sense it covers atmospheric modelling, hydrological modelling, and nowcasting. The actual demonstration period of D-PHASE (DOP) from June to November 2007 is encompassing the 'classical' MAP period (September – November) as well as the *Convective and Orographically-induced Precipitation Study* (COPS) observations programme (June – August). Thus, at the time of the EMS Annual Meeting, the DOP will be ongoing.

MAP D-PHASE will briefly be presented by introducing its goals and scientific environment. Further, we will illustrate on the example of the actual meteorological development what products and possibilities are available in the entire forecasting chain ranging from limited-area ensemble forecasting, high-resolution atmospheric modelling (km-scale), hydrological modelling (including ensemble hydrological modelling), and nowcasting to decision making by the end users, i.e., the entire *end-to-end forecasting system*. First experience from the first four month of the DOP will be presented as well.