**THE RAAB FLOOD FORECASTING SYSTEM. AN INTERNATIONAL FLOOD RISK MANAGEMENT PROJECT**

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The present poster illustrates the Flood Forecasting System setup for the international river Raab. Within the framework of the Austrian-Hungarian Cooperation programme, the North Transdanubian Environmental and Water Directorate (EĐUKÓVIZIG) along with the West Transdanubian Environmental and Water Directorate (NYUDUKÓVIZIG), the 19th A department of the Provincial Government of Steierland and the 9th department of the Provincial Government Office of Burgenland have jointly and successfully applied to create a continuously working forecast system for the whole watershed area of the River Raba. Steiermark, Burgenland and Hungary will jointly implement a shared early warning system on the river Raab (Rába) to increase the efficiency of flood early warning process along the river Raab (Rába) and in the river basin.

**Watershed**
- Raab River is a Danube affluent
- Raab river rises in the Teichalm area (approx. 1150m above the Adriatic Sea)
- Project area: around 4000 km²

**System Characteristics**

![Setup of the Raab forecasting system in Austria. The forecasting system consists of 48 sub-catchments with 44 forecasting locations.](image)

**Meteorological stations in the Raab catchment, including the sub catchment structure defined by the location of the online stream gauges (also forecasting points).**

![Meteorological stations in the Raab](image)

**Gauge at Feldbach/Raab, hydrograph curves for the years 2000/2009 as compared to the monitoring period 1949–2007.**

**Meteorological stations in the Raab catchment, including the sub catchment structure defined by the location of the online stream gauges (also forecasting points).**

**Interpolated hourly rainfall on July 22, 2004, 15:00**

**Conclusion:**

The present poster describes an example of a flood forecasting structure to improve international flood management. The Flood Forecasting System Raab is part of the bi-lateral European project (XXXtamogatas). Hydro-meteorological survey in the Raab watershed is controlled by 4 authorities: 2 Austrian (the hydrographic service of Styria and the Hydrographic service of Burgenland) and 2 Hungarian (the water district from Szombathely and the water district from Győr).

Unfortunately, the Hungarian participation although fixed, is delayed to spring 2010. For that reason, only the Austrian structure of the Forecasting System is illustrated above. Nevertheless, the overall structure, i.e. one International Flood Forecasting Central in Graz Austria and four regional ones, is not affected from this delay. Also the modelling structure including NAM, MIKE11 and MIKE FLOOD WATCH will remain unchanged after Hungary’s project joining.