

Transboundary cooperation in flood forecasting and warning services within the international Morava River basin

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Abstract The Morava River basin lies on the territories of three countries: the Czech Republic (CZ), Austria (AT) and Slovak Republic (SK). The River Morava is a left-hand tributary of the Danube River, entering it at the border cross-section between Austria and the Slovak Republic. The forecasting system HYDROG has been set up for the whole Morava River basin, containing 25 forecasting profiles. There is a close cooperation with Austria in place. Within the framework of the European Territorial Cooperation 2007–2013 (AT, CZ), the project “Flood forecasting in the confluence area of the Rivers Morava and Dyje” was adopted. As a result of this project, the extended upgrade of the forecasting model HYDROG for the Morava River basin was prepared and since February 2010 in the test operation the forecasts for the profile Hohenau (AT), Moravský Sv. Ján (SK) on the River Morava have been disseminated daily.

Key words discharge prediction; confluence area; feasibility study; forecasting model