



Seamless probabilistic forecast on severe storms

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Severe weather (thunderstorms, floods, storms, etc.) is responsible for many natural disasters which may cause significant economic damages and even loss of life. Accurate and reliable weather forecasts are essential for an improved preparedness and an enhanced awareness in the warning chain to protect citizens, environment and property in case of severe storms.

In Frame of an EU Project (PROFORCE) led by ZAMG, an innovative seamless probabilistic forecasting system has been built and integrated in the decision making and preparative actions in the civil protection. This system provides weather forecast and the corresponding forecast uncertainties from week ahead to hours (nowcasting) in a seamless way.

In the talk, the forecast system will be briefly introduced, and case studies on severe storms and its integration in the civil protection agencies will be shown to demonstrate the capability of the seamless forecast System.