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The Météo-France surveillance automated system for meteorological data

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Météo-France is facing a decreasing man-power dedicated to weather forecasting whereas in the meantime more and more weather data become available to the forecasters. Therefore, in the last couple of years, several products and technologies have been developed to quickly visualize those data. One of those technologies is a automated surveillance system that warns forecasters of a possible severe weather event. This surveillance system consists in scanning all the available French numerical weather model outputs then sending a popup when a significant number of grid points over a domain pre-defined by the forecasters of a particular model reaches a threshold. The main meteorological parameters that are watched are wind gust, rainfall, snowfall, temperature (for heatwaves). This surveillance system will also be used to produce specific weather services for diverse customers and in the correction process of the Météo-France's automated forecast database. Finally, an ongoing project consists in developing a similar surveillance system but for the observations.

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