EUMETNET Nowcasting Cooperation

Franziska Schmid (1), Yong Wang (1), Ingo Meirold-Mautner (1), and André Simon (2)

(1) Zentralanstalt für Meteorologie und Geodynamik (ZAMG), Vienna, Austria, (2) Hungarian Meteorological Service (OMSZ), Budapest, Hungary

The provision of consistent forecasting products from nowcasting to short range forecasting together with modern automatic warning tools are a key issue for National Meteorological and Hydrological Services (NMHS). Sharing expertise, experiences and best practices of developing and implementing seamless prediction systems will enable NMHSs to develop and provide best possible products to their end users. Therefore, EUMETNET – the European cooperation of national meteorological services – has established a nowcasting cooperation programme that started in 2014. The core activities within this cooperation programme revolve around nowcasting systems, observations used in nowcasting, verification and training and end-user relation.

The focus of this EUMETNET cooperation has transitioned from pure nowcasting (0-6h lead time) to include very short range forecasting (VSRF) systems (up to 12h lead time). Beginning with the EUMETNET phase 2019-2023 it will focus on seamless forecasting systems to also provide a platform for exchange of know-how and expertise on the optimal combination of forecasting models on different temporal and spatial scales (nowcasting, VSRF, short- and medium range forecasting). As a cooperation programme, the key activities lie in the exchange of expertise and best practices and in the description of the state-of-the-art based on surveys.

Besides giving a general introduction on the EUMETNET nowcasting cooperation programme, we will highlight in this contribution a few results from studies and surveys carried out in the previous phase. Furthermore, an outlook of activities related to the focus of the current phase, including seamless prediction systems, will be given.