



## **Spatial verification activities at ARPA-SIMC: first results on MesoVICT cases**

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At ARPA-SIMC, the performance of deterministic and ensemble systems in terms of total precipitation is operationally assessed by using a spatial verification method, known as DIST, based on catchment areas or boxes of fixed size, and by comparing different indices (max, mean, median, percentiles) in both forecast and observed fields.

In this contribution, the performance of different prediction systems is assessed with the DIST methodology for the MesoVICT cases of summer and autumn 2007.

The attention is focussed on total precipitation and the skills of the systems are studied by comparing model forecasts against either the available MAP D-PHASE/COPS observations or the gridded VERA analyses.

The sensitivity of forecast skill to the verification network is investigated by considering a number of deterministic and probabilistic scores.

The main strengths/weaknesses of coarse and fine-scale systems highlighted by the different verification networks are also studied.