

Interactive comment on “Using nowcasting technique and data assimilation in a meteorological model to improve very short range hydrological forecasts” by Maria Laura Poletti et al.

Maria Laura Poletti et al.

laura.poletti@cimafoundation.org

Received and published: 21 June 2019

Thank you for the comments and the suggestions, in the following we report the answers to the specific comments.

P6, L189: Please, can you clarify better the ensemble members introduced in this part of the text?

Specification added regarding the number of members of the ensemble (20)

C1

P7, L224-229: Less or more weights according to the forecast hours is a progressive gain as written in the text. Are they related to the different blending functions in Figure 4?

Yes, they are. The function defined as step function is the one drawn in red, while the green, yellow and blue line represent those functions related to the smother blending functions.

Figure 1: Please, highlight the Liguria border with a different colour. Figure 2: Please, add “top” and “bottom” in the caption for the figure description.

Figures modified, thank you for the comments.

Figures 6, 9, 10, 11: What is shown over the upper whisker of the coloured box plots? Please, try to use a greater font for x/y-axis label and legends in the figures.

Over the upper whiskers are shown the outliers points (over 75% percentile); labels and legends of the figures 6, 9, 10 and 11 have been modified using a greater font.

All the technical corrections (commas, grammar errors) have been accepted and integrated into the text.

Best regards, Maria Laura Poletti, on behalf of the co-authors

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2019-75>, 2019.

C2