

Interactive comment on “Initial assessment of a multi-model approach to spring flood forecasting in Sweden” by J. Olsson et al.

J. Olsson et al.

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Dear Peter, Massimiliano and Renaud!

First of all we wish to express our sincere gratitude for very careful, comprehensive and constructive reviews. Most of the criticism belongs to one of two categories:

- Limitations of the study, e.g.: short period of data, few forecast dates, raw (un-calibrated) data, old data (System 3), only focus on meteorological input (not initial conditions), only deterministic use (no probabilistic).
- Missing descriptions/discussions, of e.g.: climatic stationarity, specific aspects of the CP and TCI methods, hydrological model and its verification, SFV variability, lead time

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and “temporal set-up”.

About the limitations, there is not much we can do about them at this stage unfortunately (as the research project is over), more than emphasizing (and justifying) them clearly and explicitly early in the paper. One can always do “more” but this is what we could manage within the given resources. About the descriptions/discussions, we would be happy to provide what has been suggested.

Massimiliano suggested a “demotion” to a Technical note and we support this idea as the intention of the paper is to describe a practically oriented concept for improved spring flood forecasts, supported by limited evaluation, rather than presenting a comprehensive and complete scientific study. As Technical notes are supposed to be short (http://www.hydrology-and-earth-system-sciences.net/about/manuscript_types.html), this approach is in some conflict with the need to add descriptions/discussion, but 1/ a quick search resulted in several notes of 10–12 pages length (e.g. <http://www.hydrol-earth-syst-sci.net/16/345/2012/hess-16-345-2012.pdf>), which should suffice, and 2/ some parts of the paper may be given as Supplementary material. Thus we think it is feasible.

Before proceeding with the manuscript along these lines we would like to ask the reviewers for any objections or other comments. Thank you very much in advance!

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