Review for "Barents-2.5km v2.0: An operational data-assimilative coupled ocean and sea ice ensemble prediction model for the Barents Sea and Svalbard"

Recommendations: Accept for publication

I highly appreciate the authors' effort to address the issues raised in the previous round of review. The revised version has improved accessibility, and I can better appreciate the work compared to the previous version. Please find below for a few very minor (mostly typos) comments.

Specific line-by-line comments

- Line 209:

... is estimated by the "variance" of the ensemble of background states -> covariance.

It is good to also mention that the estimate is flow-dependent, which is a key advantage of ensemble DA methods.

- Line 224: The reference is off.
- Lines 231-232:

Is SIC observation linearly related to the model variables (is it the weighted average of several model variables)?

- Line 233: "ENKF" -> EnKF
- Line 249: The reference is off.
- Lines 417-420:

It might be helpful to mention that \overline{P}_b and F_b are the x and y axis in Figure 14 respectively.

- Lines 545-555:
 "0>SIC<0.4" => "0<SIC<0.4"
- Captions in Figure 8 & 10:Why are the RMSEs negative? Should they be ME instead?
- Figure 17:

I can understand that the post-processed SIC is between 0 and 1, so when the analysis ensemble is outside [0,1] they will be corrected. However, some of the subplots seem to suggest the analysis ensemble members with SIC within [0,1] are also changed. Why?