

Author's response (egusphere-2026-2636)

Dear Editor,

Please find below a list of the changes made to the manuscript, as requested by the editor and the reviewers:

- "Team list" section has been removed
- Spatial resolution of SPI/SPEI indices has been reported in Table 1
- Mismatch in spatial resolution has been reported as a limitation in the discussion section
- Additional thermal drought indicators (such as ECOSTRESS and CEFI) have been added in the discussion section as future work that could extend the potential of this research
- Annual predicted vs observed rice yield **changes** have been added in Fig 9, however we did not add the annual predicted yields themselves, as the models have been trained on yield changes rather than yields. The yields themselves are reported in Figs. 10, A5-A7.
- Results section updated with observations of how the model predictions change year over year, as requested by Reviewer 2.

Hopefully we have been able to address all of the points made by the reviewers and satisfy the editing process. Please let me know if any additional changes should be made to the manuscript.

Thank you,
Nick Gutkin
28/07/2026