Interactive comment on “Improvement of climate predictions and reduction of their uncertainties using learning algorithms” by E. Strobach and G. Bel

Anonymous Referee #2

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This paper presents a machine learning-based approach for improving model-generated projections of past and future climate. The work is well motivated citing appropriate literature, and the technical approach is presented in sufficient detail.

Unfortunately, the authors appear to have missed some important literature in this area, most notably work by C. Monteleoni and colleagues over the past several years, see e.g.,:


After much deliberation, this omission demands rejection of the manuscript. In order to be reconsidered, the authors should thoroughly familiarize themselves with this and any other prior work (in both climate / Earth science and machine learning as it is an interdisciplinary contribution), re-frame the presentation of their approach in the context of the literature, and qualitatively and/or quantitatively compare their approach to existing methods where appropriate.

Interactive comment on Atmos. Chem. Phys. Discuss., 15, 7707, 2015.