Development of an objective consolidation tool for CPC's Weeks 3-4 temperature and precipitation outlooks

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This talk will introduce the Climate Prediction Center's Weeks 3-4 probabilistic forecasts of 2-meter temperature and precipitation while also providing a brief overview of the associated dynamical and empirical-based guidance used in the generation of these outlooks. Work relating to efforts to maximize the resultant forecast skill from objective blending of the associated inputs in an efficient manner will be detailed. Independent validation reveals limited opportunities for objective blends of forecast guidance to improve upon an initial "first guess" available to the forecaster based on inputs weighted subjectively based on forecaster experiences.