## SESSION: (C1) Initialization initialization shock and model error (includes data assimilation)

## (C1-01)

## Climate-model initialization for near-term climate-prediction: a survey of recent advances and anticipated trends

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Over 15 groups participated in the decadal prediction experimental protocol designed under CMIP5. For some of these groups, this marked the first foray into climate-model initialization for the purpose of near-term prediction. For other groups, the experiments called for in the CMIP5 DP protocol were achieved thought the extension of initialization procedures already in place to support either seasonal prediciton activities or existing research-focused long-term prediction. In this overview talk, we survey the methods that have been used in the last decade to move the science and skill of near therm climate prediction forward. As production of CMIP6 commences, we also consider how initialization procedures have evolved (and why) and discuss anticipated trends, including coupled assimilation.