

**PARALLEL SESSION A : BENEFITS OF DOWNSCALING - A1: ADDED VALUE OF DOWNSCALLING**

**NA-CORDEX Simulation Assessment for the North American Monsoon**

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In this presentation, an overview of the simulations produced for the North American Coordinated Regional Climate Downscaling Experiment (NA-CORDEX) will be assessed for their performance in simulating the North American monsoon (NAM) system. Differences between the 25km and 50km resolution NA-CORDEX simulations, and the benefits of using 25km versus the cost of doing so for this region will be emphasized. This analysis will particularly focus on precipitation and local phenomena and processes that govern its distribution and intensity across the NAM region during the baseline/current climate period; however, projections will be discussed as well. Notable differences between these simulations and the set produced for the North American Regional Climate Change Assessment Program (NARCCAP) will also be identified.