

Session 2: Changes in Wet-weather Extremes

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Need to communicate and maybe refine CCAWWG's role.

Need to communicate up agency hierarchy to integrate activities more.

CCAWWG is an interagency framework that is driven by user demands.

Deputy advisor to the president listens to CCAWWG! Whitehouse document on climate change.

Need to take advantage of this Whitehouse priority.

Applications and system responses vary by region

Improve connections between decision makers and modelers regarding time and space scales.

1. help establish relationships

2. make collaboration more efficient

Iterate between parties.

Define the pathway for communication of needs, including entities (active parties) and relationships between them.

Need published skill/confidence (geographically)

Need to know what methods/tools are used to create predicted/projected extremes

in an understandable & accessible way (education)

Knowledge gaps about what processes influence the system (education)

Need regional and system-based definitions of extreme events

Need to quantify the time period between multiple extreme events

(not the same as return period)

Need to know changes in frequency of WW events, including changes in annual cycle and type of precipitation.

**Need a query-able data base, possibly built upon NOAA climate portal of CMIP5
Bridge weather and climate information (span short and long term needs)**

Need IDF curves — Intensity-Duration Frequency

Also changes in the spatial and temporal extents and spatial structure or patterns.

Issue of rain on snow. **Need to know joint timing of extremes in precipitation and temperature.**

Need to select focus basins to regionalize this work.

Need to focus on drought too.

Need to involve other agencies, like DOT, more in CCAWWG.