

# The Clouds-Chemistry-Aerosol Processes (CCAP) Cluster

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United States  
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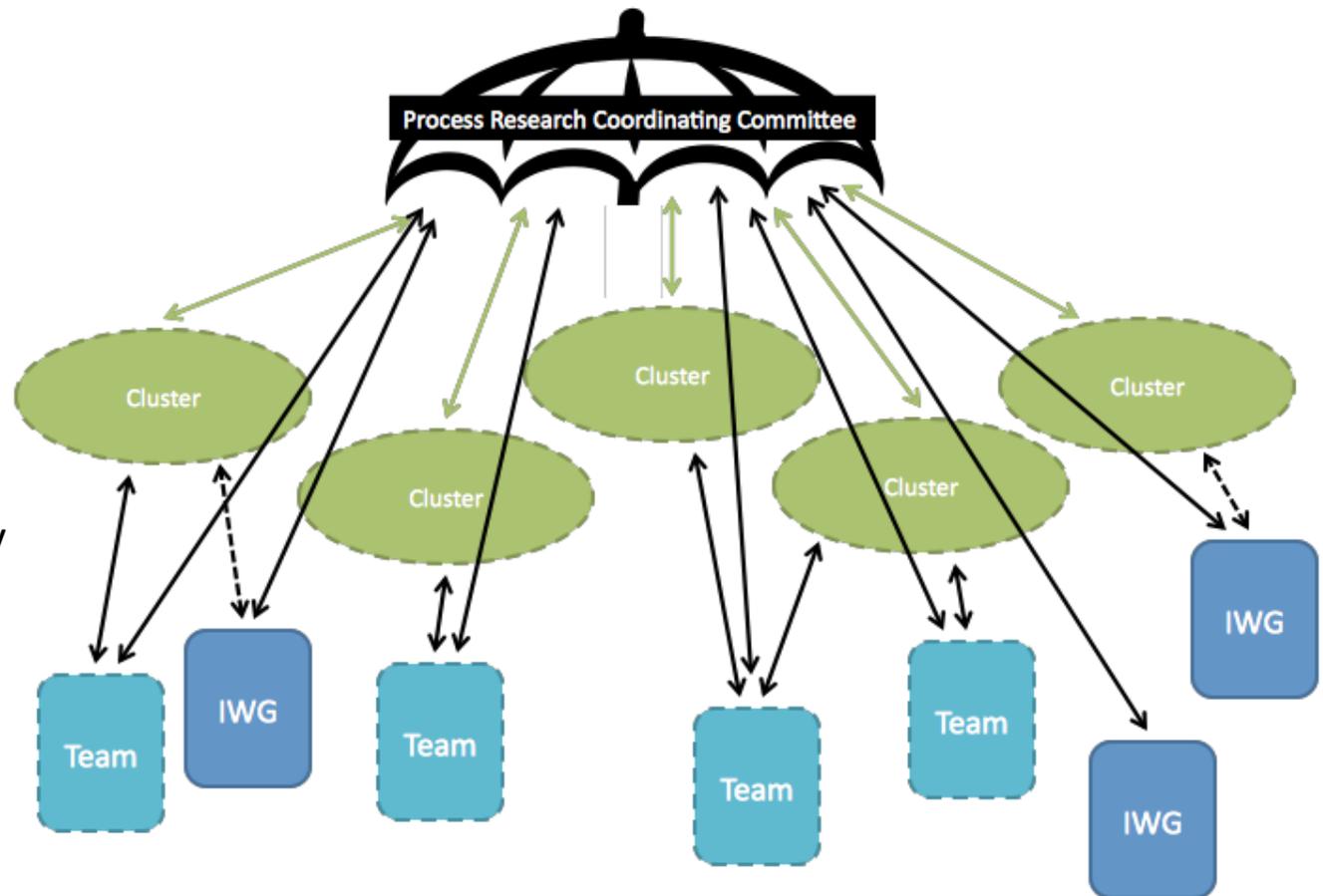


# Recommendations for Structure

Coordinated,  
flexible, and  
responsive

Seed discussions  
from which more  
formalized  
interagency  
activities can  
emerge organically

Modular, evolves  
over time



# The Clouds-Chemistry-Aerosol Processes (CCAP) Cluster Mission

- The Mission of the CCAP Cluster is:
  - *To encourage cooperation across agencies in topics that are not currently being addressed by existing initiatives to support USGCRP in achieving the objectives of its new strategic plan with a focus on the interactions of aerosols, clouds, chemistry and climate, including feedbacks and abrupt changes.*



# CCAP Cluster Focus Areas

- The priority focus areas for the CCAP Cluster in FY13 and FY14 are:
  - 1) Emissions inventories (by sector/species)
  - 2) Aerosol indirect effects
  - 3) Two-way interactions between climate & air quality

# Collaboration Opportunities Identified

- Based on our priority areas, the CCAP Cluster sees the following areas for inter-IWG collaboration in the next 1 to 3 years:
  - 1) *Emission scenario development* can benefit from observations from diverse sources (Carbon Cycle and Int. Obs IWGs) and interaction with IGIM IWG to understand key modeling needs that can be addressed by scenario improvements
  - 2) *Climate/Air Quality interactions* would benefit by interaction with Human Health group and Social Sciences Task Force given AQ impacts across multiple societal benefit areas (e.g., health, transportation, energy)

