The Clouds-Chemistry-Aerosol Processes (CCAP) Cluster

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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).