MEST-NASA Bilateral Meeting
- Earth Science Session -

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Summary
Earth Science Session

- KARI and NASA enable enhanced coordination and collaboration between Korea and NASA scientists interested in:
  - ➢ Satellites and instruments of mutual benefit for innovative observations of the global integrated Earth system, including:
    - * ○ calibration and validation activities, including ground and airborne
    - * ○ data policy for open, free exchange of measurements with maximum information at minimal cost and minimal time delay for science community
    - * ○ geostationary satellite
    - ○ low-Earth-orbit satellite
  - ➢ Comparative studies of regional climate impacts, including:
    - ○ remote sensing observations
    - ○ interdisciplinary modeling
    - ○ terrestrial carbon cycle
- Recommended Action
  - * ➢ Establish joint KARI-NASA working group (WG) for each subject
    - ○ each WG would develop a 3-year plan for coordination and collaboration
    - ○ each WG would have a KARI and NASA co-chair
    - ○ NASA offers to host inaugural meeting of each WG in United States

Next Steps: Charge to this group

- Under the auspices of the MEST-NASA Bilateral for Cooperation in Civil Space and Aeronautics Activities, the Earth Science leads propose to establish Technical Groups
  - Atmospheric Composition Measurements From Geostationary Satellites
  - Ocean Color Radiometry Measurements From Geostationary Satellites
  - Other groups may be defined (e.g., regional climate impacts)
- Each technical group will identify mutually beneficial objectives that could be achieved over the next 3 years
- The scope will include science, instrumentation, algorithms, calibration/validation, options for launch, societal benefit analysis, and data policies
- Provide recommendations to the Earth Science co-chairs of the MEST-NASA Bilateral agreement for consideration of implementation

Meeting Agenda

Atmospheric Composition Measurements From Geostationary Satellites
Washington, DC 13 Aug 2009

8:30-9:00	Check-in, badging
9:00-9:30	Welcome and introductions
9:30-10:15	MP-GEO and GEO-CAPE mission overviews
10:15-10:45	Break
10:45-12:00	Instrumentation and retrieval capabilities
12:00-1:30	Lunch
1:30-2:15	Data systems, policies, and calibration/validation
2:15-3:00	Social benefit and applied science overviews
3:00-3:30	Break
3:30-4:30	Round-table: Identify collaborative areas and near-term priorities
4:30-4:45	Summary and next steps
4:45	Meeting adjourn

Evening Drinks/Dinner (TBD)