CEOS support for the Space-Based Architecture for Climate Monitoring

CEOS SIT-26

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ASI CEOS Chair Team

Space-based Architecture for Climate Monitoring

- Space agencies the main actors in support of the space component – facilitated by the traditional coordination functions of CEOS and CGMS/WMO
- Numerous CEOS agency missions will be cited, both meteorological and non-meteorological
- The combination of
  - the planning/coordination functions of the Virtual Constellations

  and
  - the new user-oriented analyses of the WG Climate

  offers a powerful end-to-end framework for CEOS to respond to observational requirements defined by the overall architecture and to ensure the necessary ECV products

Virtual Constellations

- Emerging as a strong brand for CEOS – easy to understand and focused coordination activity
- Recognition that the VCs are just getting going and we should further develop the concept
- Potential as a working framework for coordination of programmes, funding, scheduling, capabilities in support of the GEO Climate Architecture
- Focus more on sharp/user end – and sustained production of priority climate products

WG Climate

- Review and assess generation of FCDRs and derived ECV products supported by CEOS space agencies
- Review of compliance of missions and products with the GCOS Climate Monitoring Principles
- Identify implementation teams for each product – ensure a coherent implementation plan exists for each and every
- Work with the CEOS Virtual Constellations to ensure a coherent and consistent approach to the provision of climate records across their various topical areas

Proposition

- Establish CEOS role as co-lead within the GEO Climate Architecture task
- Confirm the roles and responsibilities within WGClimate and the VCs
- Trial process – ensure WGClimate 2011 priorities include ECVs of relevance to existing VCs
  - Implementation teams to include VC members
- Confirm CEOS capacities and schedules consistent with GEO Climate Architecture task ambitions
  - Prepare for expanded WGClimate or VC capacity (or additions) as required