CGMS-39 NOAA-WP-11
Prepared by NOAA
Agenda Item: E.2
Discussed in WGII

STAR PARTICIPATION IN IPWG, IWWG, ITWG AND THE WORLD CLIMATE RESEARCH PROGRAMME GLOBAL ENERGY AND WATER CYCLE EXPERIMENT RADIATION PANEL (WCRP GEWEX RP)

This paper is a status with respect to:

Recommendation 38.03: CGMS members to consider ways and means to strengthen their support to international scientific expert teams involved in peer review of climate data records (for example, to the CGMS Working Groups IPWG, IWWG, ITWG and IROWG, and to the World Climate Research Programme Global Energy and Water Cycle Experiment Radiation Panel (WCRP GEWEX RP)).

Action/Recommendation proposed: None

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Mitch Goldberg (NOAA/NESDIS)

The Center for Satellite Applications and Research (STAR) is the science arm of NESDIS and conducts research and develops algorithms for operational utilization for weather, environmental, and climate applications. STAR scientists have been active in the IPWG, IWWG, ITWG, IROWG and WCRP GEWEX RP. With respect to human resources, STAR scientists regularly attends these working groups, and have hosted some of the meetings, and chaired the working groups, notably IPWG, IWWG and ITWG. STAR scientists also are rapporteurs to ITWG and IROWG. Furthermore, STAR, GOES-R and JPSS have provided some financial support for holding the meetings. STAR is also active in WCRP observation and assimilation (WOAP) and has participated in the various subgroups of GEWEX, - Clouds, Precipitation, Radiation and Aerosols. With respect to climate data records (CDRs), STAR produce a number of CDRs, including the atmospheric MSU/AMSU temperature time series, SBUV/2 ozone time series, the SSMIS hydrology product time series (precipitation, water vapour, snow and ice cover), AVHRR product suite time series (includes clouds, vegetation, sea surface temperature). We participate in the SCOPE-CM program. Our scientists collaborate with other scientists developing similar products through projects with EUMETSAT and ESA. At NOAA, NCDC has a climate data records program that includes participation from STAR and the research community, and workshops are held to promote peer review of CDRs. For ozone products, we work closely with the NASA, KNMI and EUMETSAT. These agencies are also involved in the CEOS Atmospheric Composition Constellation.