

Working Group
Climate
Report on status of action items
since ITSC-21

Co-Chairs:

Nathalie Selbach (DWD)

Cheng-Zhi Zou (NOAA)

Status of actions from previous ITSC meetings:

- 3 remaining actions from ITSC-20 have been closed
- 3 actions from ITSC-21: 2 closed + 1 ongoing

Actions from ITSC-20

Webpage of Climate WG

Action Climate-1 from ITSC 20 on WG Co-Chairs

Coordinate the update of the webpage of the Climate WG once the new Content Management System (CMS) is available and the ITWG pages as well as the subgroup pages have been migrated to the new systems.

Status: **closed**

- Content of the webpage has been updated on current system (new CMS not yet available for ITWG pages), migration of current content planned to new CMS once it becomes available
- Thanks to Leanne Avila for updating the page with the provided input!
- Please let us know in case of needed changes, further topics, etc.

- <http://cimss.ssec.wisc.edu/itwg/cwsg/>

Actions from ITSC-20

Merging of AIRS/IASI/CrIS with SSU

Action Climate-2 from ITSC 20 on Cheng-Zhi Zou

NESDIS to look for possibility to merge AIRS, IASI and CrIS with its recently developed SSU stratospheric temperature climate data record.

Status: closed

- Project has been funded for merging AIRS/IASA/CrIS with SSU. Results will be presented elsewhere when available

Actions from ITSC-20

Inter-calibration activities

Action Climate 6 on Rob Roebeling

Provide information to the Climate WG webpage on different inter-calibration activities for Level-1 FCDR data, e.g. HIRS, AMSU, AVHRR, etc.

Status: closed

- Rob Roebeling provided update of the information, which has now been included on the Climate WG webpage (related to Action Climate-1 from ITSC-20).

Actions from ITSC-21

Global Observing System design

Action Climate 1 on WG co-chairs:

Establish how requirements from climate community are collected as input for development of new satellite sensors and provide the information to the group. Establish whether there is a clear role for ITWG-Climate group on definition of climate requirements for new satellite sounding sensors.

Status: ongoing

- requirements are collected for ECVs or Level-2/3/4; responsibility for this process lies with GCOS.
- for sensor data at Level-1 this is normally done at each individual agency during its mission planning -> need to figure out whether climate requirements are considered systematically by agencies in mission planning
-> further discussion in Climate WG sub-group, input from satellite agencies appreciated

Actions from ITSC-21

Global Observing System design

Action Climate 2 on WG co-chairs:

Links to data, especially FCDR data, recovered data, information on calibration/ inter-calibration of instruments should be fed into a WMO based system. WMO should give a recommendation which of their systems should be used for this purpose.

Status: **closed** (information provided by J. Schulz)

- Joint CEOS/CGMS Working Group (JWG) on Climate will take care of this: JWG plans to have at least a list of available FCDR data in addition to ECV inventory (list linked with WMO OSCAR Space); currently working on definition of FCDR, TCDR, ICDR, based on results collection of information on L1 data will start
- Currently information also available in ECV inventory (<https://climatemonitoring.info/ecvinventory> -> Accessibility -> Details), however only available for about 50% of the datasets

Actions from ITSC-21

Data Reanalysis

Action Climate 3 on Lihang Zhou:

Make climate reanalysis community aware of the reprocessing efforts for SNPP. Lihang Zhou to forward the request within NESDIS.

Status: closed

- The request has been forwarded to NESDIS. NESDIS/STAR is documenting the reprocessing efforts and will inform the satellite and reanalysis community on the quality of the reprocessed SNPP observations.
- Reprocessed SNPP Sensor data records have gone through a validated maturity review in September 2019