

# Climate Working Group

## Report on status of action items since ITSC-20

Co-Chairs:

Nathalie Selbach (DWD)

Cheng-Zhi Zou (NOAA)

## Actions and Recommendations from ITSC-20

### 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: [ongoing](#)

- The new system is not yet available, CIMSS currently working on redesign of the Center's website (for UW-Madison SSEC), ITWG page will be moved afterwards.
- Since ITSC-20 minor update of Climate WG subpage done (updating contact details, list of group members, update of links and logos, some content changes), major change will be done on new system (during 2018?)

## Actions and Recommendations from ITSC-20

### Action Climate 2 on Climate WG Co-Chairs

A specific mailing list for the Climate WG will be set up with help from Leanne Avila

**Status:** closed

- Email list is available since Dec 2015 (itwg\_climate\_wg@ssec.wisc.edu),
- for changes in email list or if you want to be added to the list, please contact Climate WG Co-Chairs

## Actions and Recommendations from ITSC-20

### Recommendation Climate 2 to reanalysis providers

Reanalysis providers should provide input data information together with their data sets

#### **Status:**

There is an ongoing activity within the WCRP/SPARC community on documenting input datasets for all major climate reanalysis systems. A short version of the document was published in the Atmospheric Chemistry and Physics in 2016. Participants include all major climate reanalysis developing centers and institutes involved in evaluation of the climate reanalysis systems.

## Actions and Recommendations from ITSC-20

### Action Climate 3 on Niels Bormann

Niels Bormann to check which of the data (satellite data and synoptic data) used as input for the ECMWF re-analysis can be made available to the public

#### Status: closed

Niels Bormann has confirmed that all observations that will go into the ERA5 reanalysis will be made publically available through ECMWF's data portal (in ODB format or ASCII) and will contain source information where available

## **Actions and Recommendations from ITSC-20**

### **Recommendation Climate 4 to satellite providers**

Measurement campaigns such as the ARM sites and GRUAN are important for satellite validation. The Climate WG supports such campaigns and encourages satellite providers to provide sufficient funding for these activities for current and upcoming sensors

#### **Status:**

Plans on the GRUAN-Satellite comparisons are being developed within the GSICS community and proposals on such comparisons also submitted as GSICS activities

## Actions and Recommendations from ITSC-20

### Action Climate 4 on Cheng-Zhi Zou

Provide a brief description of and a URL link to the ARM project on the WG webpage

**Status:** closed

- Information has been made available on the Climate WG page including link to detailed information on ARM (<http://www.arm.gov>)

## Actions and Recommendations from ITSC-20

Merging of AIRS/IASI/CrIS with SSU

**Action Climate 5** on Cheng-Zhi Zou

NESDIS to look for possibility to merge AIRS/IASI/CrIS with existing SSU CDR for inter-comparisons with the SSU/AMSU merged products

**Status:** ongoing

This work needs further funding support. A decision on a possible extension of the NOAA CDR work is pending.



## Actions and Recommendations 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:** ongoing

Input provided by Rob Roebeling, which has been distributed to the Climate WG mailing list. Provision of information to the webpage pending the availability of the new CMS (see Action Climate-1).

## Actions and Recommendations from ITSC-20

### Action Climate 7 on WG members

The Climate WG needs to discuss on focus and aim of the Climate WG within ITWG. Group members are asked to provide their thoughts via the Climate WG mailing list prior to the next ITWG meeting.

### Status: closed

The Climate WG co-chairs have developed a survey, which had been distributed to the WG members. Deadline for submission of answers was 15 May 2017. The WG Co-chairs evaluated the results of the survey. A summary report has been distributed to the Climate WG members.

## Results from survey

- Survey with 9 questions sent to 25 members of Climate WG mailing list, 32% answered all questions
- Most participants (75%) believe Climate WG is useful and should be continued
- Quite diverse interest in Climate WG from exchange to ideas on similar topics to coordination activities (continuity of satellite missions for CDR development, addressing climate requirements by satellite agencies, satellite historical processing, CDR development)
- Identified focus points:
  - FCDR/CDR development and validation
  - Inter-calibration/calibration algorithm development
  - Climate change monitoring using satellite data
  - Exchange of information on satellite climate data products