

Products and Software Working Group (PSWG)

Co-chairs: Graeme Martin and Nigel Atkinson

Scope of PSWG

The scope of the group was defined at ITSC-18 (in 2012), to cover:

1. Both Level 1 and Level 2 satellite products;
2. Software tools and packages for generating, analyzing, and visualizing products;
3. Enabling end users to obtain or generate the products they need;
4. End user feedback and training;
5. Exchange of information for validation of products;
6. Informing the user community about requirements for future missions;
7. Informing agencies about requirements of the users.

Topical items of interest to PSWG

- New satellite launches since ITSC-23
 - FY-3E, July 2021 – DB software available from CMA
 - GOES-18, March 2022 – now operational and supported in CSPP Geo
 - NOAA-21, Nov 2022 – initial support being rolled out in CSPP
 - MTG-I1, Dec 2022 – in commissioning
- New software releases, preparing for upcoming missions
 - IRSPP – supporting IRS on MTG-S1, launch in 2024
 - MWIPP – supporting MWI & ICI on Metop-SG-B1, launch in late 2025
 - SatPy – support for FCI on MTG-I
- Planning for future missions (Geo-XO, etc.)
- DBNet – several new stations added since ITSC-23
- Developments in cloud services and cloud data distribution
- Developments in containerisation of software packages

Action from ITSC-23 (or earlier)	Status
PSWG co-chairs to update the group web page by next ITSC, assuming Wordpress is implemented by CIMSS as planned	Ongoing. Migration to Wordpress is finally underway!
PSWG co-chairs to liaise with the ASWG and NWPWG co-chairs with the aim of agreeing a coordinated approach to the cluster analysis of VIIRS radiances on the CrIS footprint.	Ongoing. Discussed at Interim meeting and at DBNet Coordination Group (Oct 2022). Note upcoming presentation by Likun Wang at ITSC-24.
PSWG co-chairs to monitor developments in PC representation, liaising with the ASWG, and report back to PSWG at the next ITSC.	Ongoing. Interim Meeting : EUMETSAT recommend the “hybrid” method for IASI and IRS. Also being pursued by NOAA and CIMSS.
Nathalie Selbach, and others in PSWG who are able to do so, to test new NOAA/CLASS access options, including cloud access, and report back to PSWG.	Ongoing. Interim Meeting : python utility <i>GOES-2-go</i> was advertised, for downloading from Amazon Web Services archive
CSPP and IMAPP teams to share UW/SSEC/CIMSS experiences on working with containers, via the PSWG web site	Ongoing. Interim Meeting : detailed presentation by Jim Davies
CSPP and IMAPP teams to provide information on running Linux packages in Windows, via the PSWG web site.	Ongoing. Interim Meeting : IMAPP will include support for Windows via a VM.
PSWG co-chairs to provide feedback on the High Level Priority Plan and CGMS Best Practices document	Closed
Paul Menzel and Tony Reale to send a few sentences summarising their validation studies to the PSWG co-chairs	Closed. Included in the ITSC-23 Proceedings.

- PSWG will meet on Saturday afternoon, 13:15 to 16:15
- Suggestions for discussion topics are very welcome!