

CM SAF at EGU 2020

CM SAF will actively contribute to the [General Assembly of the European Geophysical Union \(EGU\)](#) from 3 to 8 May 2020 in Vienna, Austria.

An overview on the CM SAF data records (as well as other EUMETSAT climate data) and the CM SAF R Toolbox for the analysis and the visualization of CM SAF data will be provided during the short course on [EUMETSAT's Climate Data Records: Using satellite data for climate applications](#) (SC 1.23). Please bring your laptop for on-site data analysis!

The session on [Earth radiation budget, radiative forcing and climate change](#) invites contributions on all aspects of radiation in the climate system, based on observations (incl. satellite) and modeling approaches. Please consider to submit your contribution until 15 January 2020.

We are looking forward to meeting you in Vienna in May 2020!

Basic Climate Analysis Using the CM SAF R Toolbox

An e-learning module on the application of CM SAF data records using the CM SAF R Toolbox was published on the [MedEd](#)¹ website:

https://www.meted.ucar.edu/training_module.php?id=10005

With the support of EUMETSAT and the CM SAF this lesson was developed to provide an overview of the satellite-based climate data records (CDRs) generated by the CM SAF and how they can be used to support climate applications. The training module explains how to obtain a CDR from the CM SAF and how to apply the [CM SAF R Toolbox](#). An exercise of a hypothetical astronomical observatory installation is used to showcase the Toolbox's application in performing statistical analyses and generating areal and location-specific data plots. Finally, a case study of the 2003 European heat wave tests the learner's understanding of how to use the Toolbox for data analysis.

The lesson takes about 45 minutes and is an excellent start for all people who are new in using CM SAF data records or the CM SAF R Toolbox.

¹ The MetEd website (maintained by the UCAR [COMET](#)® program) provides education and training resources to benefit the operational forecaster community, university scientists and students, and anyone interested in learning more about meteorology, weather, and related geoscience topics.

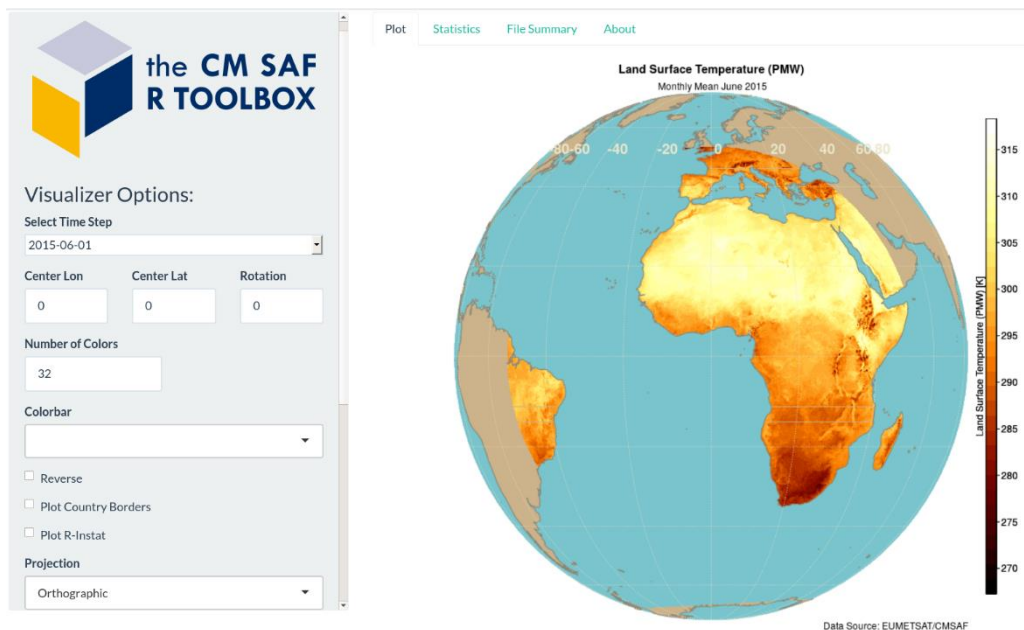


Figure 1: The CM SAF R Toolbox can be used to prepare, analyse and visualize CM SAF data records.

Changes in managing of user accounts

CM SAF has recently added a new page on the Web User Interface allowing users to manage their account better. Registered user can find it in the section "User" → "Manage Account" after logging in with their user credentials.

If a user no longer needs the account and wants all personal data to be removed from the CM SAF database, users can now use the Web User Interface to delete their account.

Before CM SAF permanently deletes a user account, there will be a 14-day grace period, during which the account is suspended. Within this grace period, users can contact the User Help Desk and the account will be restored on request. Users should be aware that the registered email address cannot be used for a new registration while the account is suspended. After this grace period, all personal data (e.g. name, email address, organization, login credentials, etc.) will be deleted from the CM SAF data base and the offline email archive. The account will be permanently deactivated within a week.

Users can always see and update all their personal data, which is stored in the CM SAF database via their user profile ("User" → "User profile"). More details about the procedure can be found on the "User" → "Manage Account" page, which is visible after login.

The account itself and all associated orders will not be deleted. CM SAF will keep the information about the country, the users's organization (if it is not related to personal data), and the field of activity. As all personal information will be removed from the account, it will be a purely anonymous account without any relation to a real person.

All registered CM SAF users are currently being informed via email about this change in managing user accounts. A small number of users have already made use of the option to delete their user account. All users who cannot be reached anymore via their registered email are now removed from our user data base and need to register again with a new valid email address if they want to continue ordering CM SAF products.

Publications by CM SAF team

The following list gives an overview of some recently published papers by the CM SAF team covering CM SAF products and developments. Authors from the current CM SAF team are marked in bold:

Fennig, K., Schröder, M., Andersson, A., and **Hollmann, R.:** A Fundamental climate data record of SMMR, SSM/I, and SSMIS brightness temperatures, *Earth Syst. Sci. Data Discuss.*, DOI: [10.5194/essd-2019-146](https://doi.org/10.5194/essd-2019-146), in review, 2019.

Kaspar, F., Borsche, M., **Pfeifroth, U., Trentmann, J.,** Drücke, J., and Becker, P.: A climatological assessment of balancing effects and shortfall risks of photovoltaics and wind energy in Germany and Europe, *Adv. Sci. Res.*, 16, 119–128, DOI: [10.5194/asr-16-119-2019](https://doi.org/10.5194/asr-16-119-2019), 2019.

Kostsov, V. S., Kniffka, A., **Stengel, M.,** and Ionov, D. V.: Cross-comparison of cloud liquid water path derived from observations by two space-borne and one ground-based instrument in northern Europe, *Atmos. Meas. Tech.*, 12, 5927–5946, DOI: [10.5194/amt-12-5927-2019](https://doi.org/10.5194/amt-12-5927-2019) , 2019.

Manninen, T., Aalto, T., Markkanen, T., Peltoniemi, M., Böttcher, K., Metsämäki, S., **Anttila, K.,** Pirinen, P., Leppänen, A., and Arslan, A. N.: Monitoring changes in forestry and seasonal snow using surface albedo during 1982–2016 as an indicator, *Biogeosciences*, 16, 223–240, DOI: <https://doi.org/10.5194/bg-16-223-2019>, 2019.

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If you do not want to receive the CM SAF newsletter any longer you can cancel it at any time by changing the settings in your user profile on the Web User Interface page <https://wui.cmsaf.eu>