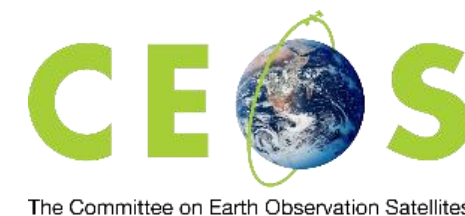


# CASE STUDIES

## EUMETSAT

Jörg Schulz and Christine Träger Chatterjee, EUMETSAT



- PVGIS (JRC)
  - uses CM SAF Radiation data (SARAH): [https://re.jrc.ec.europa.eu/pvg\\_tools/en/tools.html](https://re.jrc.ec.europa.eu/pvg_tools/en/tools.html);
- ACMAD:
  - Land Surface Temperature (LST), an Alternative to 2-metre Surface Temperature in Heatwave Monitoring and Forecast;
  - This is a study currently conducted by Ikenna Orisakwe and colleagues. A Project outline is available;
- Satellite Climatology Products for Monitoring convection over west and central Africa (online Training module):  
[https://www.eumetsat.int/website/home/Data/Training/TrainingLibrary/DAT\\_2861486.html](https://www.eumetsat.int/website/home/Data/Training/TrainingLibrary/DAT_2861486.html)
  - uses EUM CM SAF Cloud products and instability Indices to identify the diurnal cycle of convection over west and central Africa.

- Sunshine Duration:
  - Germany 2018:  
[https://www.cmsaf.eu/EN/Overview/graphics/Sunshine\\_Duration.html](https://www.cmsaf.eu/EN/Overview/graphics/Sunshine_Duration.html) and  
[https://www.cmsaf.eu/EN/Highlights/Dokumente/News\\_24.html](https://www.cmsaf.eu/EN/Highlights/Dokumente/News_24.html);
  - Mauritius: [https://www.eumetsat.int/website/home/Images/ImageLibrary/DAT\\_3585649.html?lang=EN](https://www.eumetsat.int/website/home/Images/ImageLibrary/DAT_3585649.html?lang=EN);
- Analysis of Surface Incoming Solar Radiation and and Direct Normalized Irradiance over Senegal (to help assess the PV potential):
  - Senegal: [https://www.eumetsat.int/website/home/Images/ImageLibrary/DAT\\_350160.html?lang=EN](https://www.eumetsat.int/website/home/Images/ImageLibrary/DAT_350160.html?lang=EN).

# Case Study Proposals III

- Drought Assessment using the Vegetation Health index (LSA SAF). A study for Switzerland, presented at the CM SAF User Workshop in Mainz, Germany:

[https://www.cmsaf.eu/EN/Outreach/Workshops/past\\_workshops/UserWorkshop2019/Programme\\_pdfs/vabento\\_presentation\\_v1.pdf?\\_blob=publicationFile&v=2](https://www.cmsaf.eu/EN/Outreach/Workshops/past_workshops/UserWorkshop2019/Programme_pdfs/vabento_presentation_v1.pdf?_blob=publicationFile&v=2)

- Großwetterlagen from the CM SAF Point of view (Michal Zak, Czech Weather Service):  
[https://www.cmsaf.eu/EN/Outreach/Workshops/past\\_workshops/UserWorkshop2019/Programme\\_pdfs/3\\_Zak\\_Eumetsat\\_Mainz\\_2019.pdf?\\_blob=publicationFile&v=2](https://www.cmsaf.eu/EN/Outreach/Workshops/past_workshops/UserWorkshop2019/Programme_pdfs/3_Zak_Eumetsat_Mainz_2019.pdf?_blob=publicationFile&v=2)

- CM SAF Data for Heatmapping in Europe (S. Kotlarski, MeteoSwiss):  
[https://www.cmsaf.eu/EN/Outreach/Workshops/past\\_workshops/UserWorkshop2019/Programme\\_pdfs/2\\_kotlarski\\_CMSAF\\_HeatShield\\_jun19.pdf?\\_blob=publicationFile&v=2](https://www.cmsaf.eu/EN/Outreach/Workshops/past_workshops/UserWorkshop2019/Programme_pdfs/2_kotlarski_CMSAF_HeatShield_jun19.pdf?_blob=publicationFile&v=2)

- CM SAF Radiation Data used to bias correct ERA data:  
[https://www.cmsaf.eu/EN/Outreach/Workshops/past\\_workshops/UserWorkshop2019/Programme\\_pdfs/CMSAFworkshop\\_20190604\\_Krug.pdf?\\_blob=publicationFile&v=3](https://www.cmsaf.eu/EN/Outreach/Workshops/past_workshops/UserWorkshop2019/Programme_pdfs/CMSAFworkshop_20190604_Krug.pdf?_blob=publicationFile&v=3)