

CM SAF data in support to land surface analysis and drought monitoring

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SALGEE and LSA SAF User Workshop
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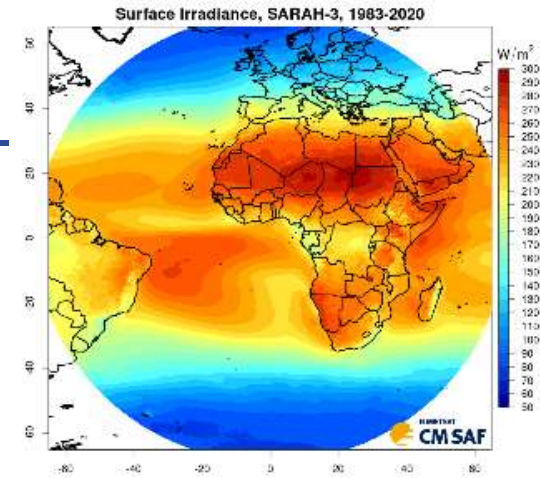
SARAH-3 CDR and ICDR

SARAH-3: Surface Solar Radiation Data Set - Heliosat

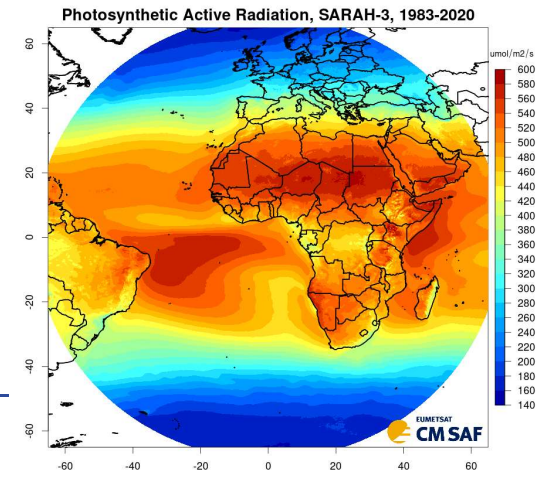
- **Surface incoming solar radiation (SIS)**, photosynthetically active radiation (PAR)
- ...and more using MVIRI and SEVIRI data
- CDR: 1983-2020 (12 different prime satellites).
- ICDR: January 2021 onwards, all parameters (2 different prime satellites)
- Resolution: 0.05°, instantaneous, daily, monthly, daily sums, monthly (SDU)
- DOI: 10.5676/EUM_SAF_CM/SARAH/V003 **Pfeifroth et al., 2024, ESSD**

SIS also available from CLARA-A3

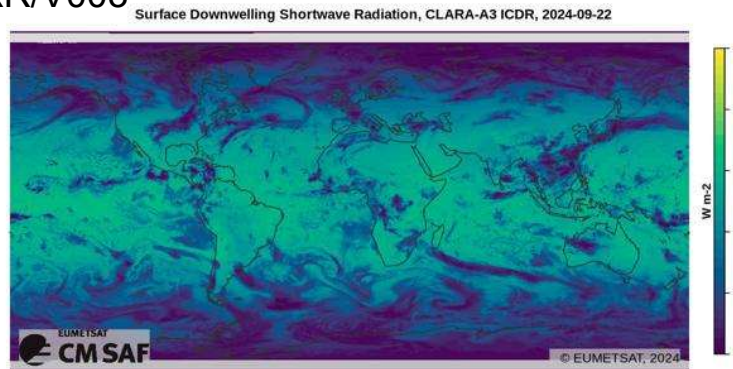
- DOI: 10.5676/EUM_SAF_CM/CLARA_AVHRR/V003
- Global, 0.25°, daily, monthly
- CDR+ICDR
- Karlsson et al., 2024, ESSD



SIS



PAR



- Based on Meteosat First and Second Generation
- LandFlux features:
 - Land surface temperature, latent and sensible heat flux, and more
 - 1983-2020
 - 0.05°
 - Hourly, daily, monthly and monthly mean diurnal cycle
 - DOI: 10.5676/EUM_SAF_CM/LST_METEOSAT/V002
10.5676/EUM_SAF_CM/SLF_METEOSAT/V001

