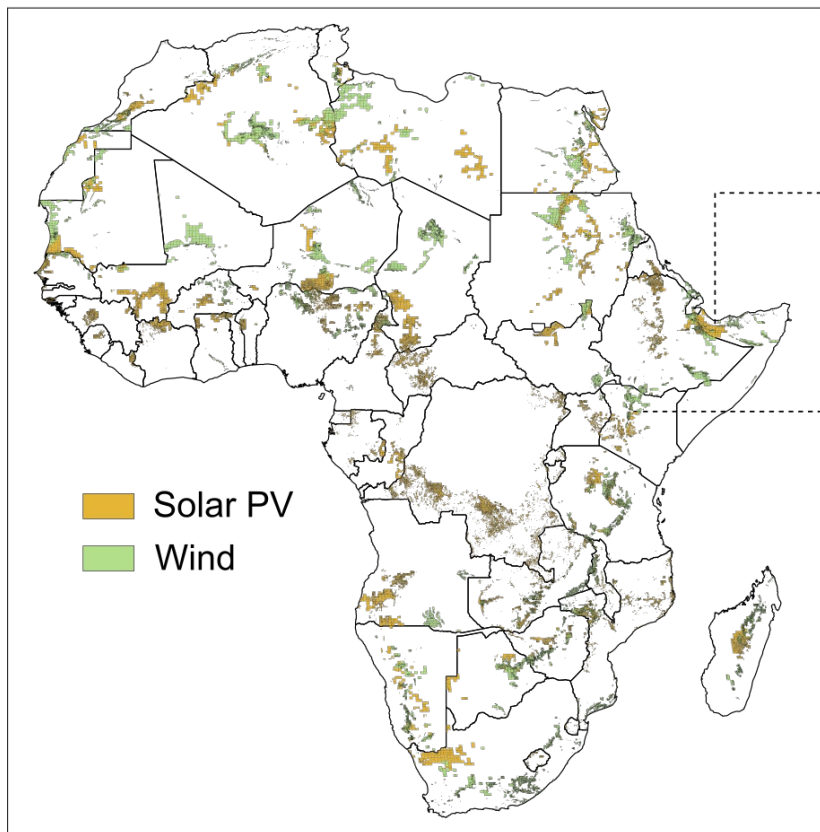




C3S for Africa

a Solar PV and wind MSR



C3S provides free and open data about past, present and future climate for any place on the planet:

<https://climate.copernicus.eu>

Two examples for Africa:

← Using C3S reanalysis data IRENA generated information on the best possible site for solar and wind plans to meet African green energy demand.

This is only possible through hard work on the data. C3S works with African scientists to rescue weather data of the past and make it available →



Digitisation of the INERA archives in Yangambi, Democratic Republic of the Congo (Credit: Derrick Muheki)

S. Sterl, B. Hussain, A. Miketa, Y. Li, B. Merven, M. Bassam Ben Ticha, M.A. Elthahir Elabbas, W. Thiery, and D. Russo. *An all-Africa dataset of energy model "supply regions" for solar PV and wind power*. Submitted to *Scientific Data* (2022).



PROGRAMME OF THE
EUROPEAN UNION

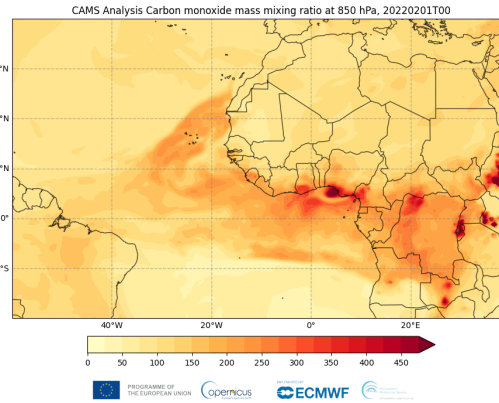


CAMS for Africa

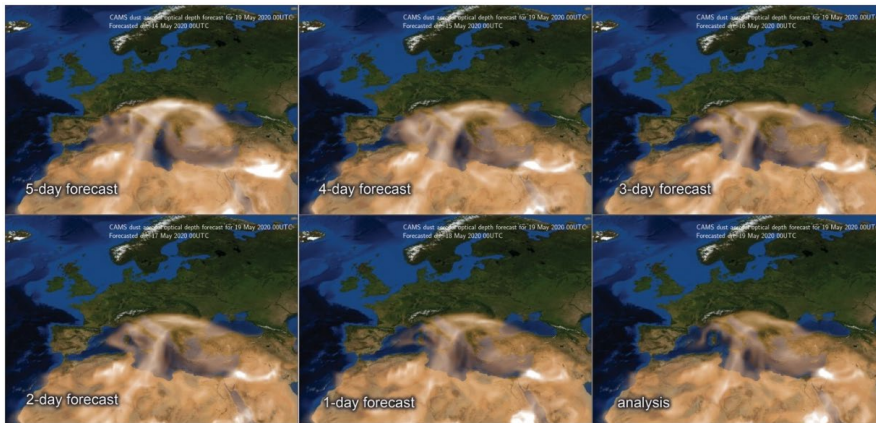
Helps policy makers at national, EU and global level by providing air monitoring analysis and forecasts, policy tools and assessment reports – <https://atmosphere.Copernicus.eu>



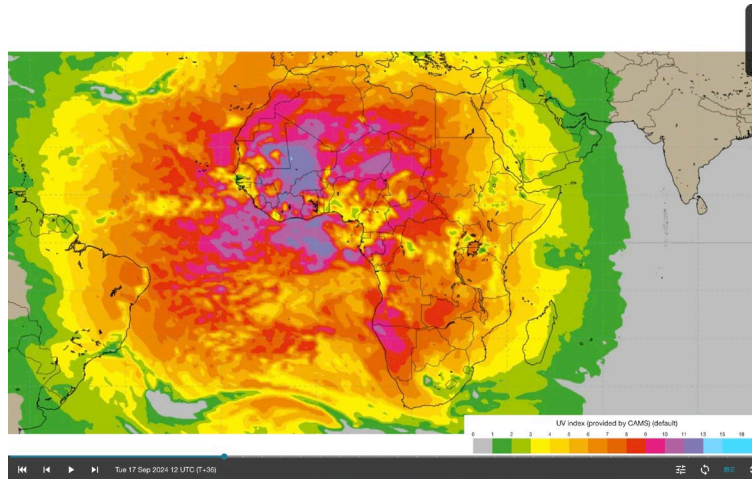
Regional mortality rates air pollution
(source: Copernicus ECMWF)



Monitoring Wildfires and their impact



Dust monitoring and forecasting



UV index, Africa continent 17.09.24

CAMS provides consistent and quality-controlled information related to **air pollution and health, solar energy, greenhouse gases and climate forcing, everywhere in the world.**

- Forecasts on **air quality, dust, (wildfire) emissions, pollen and UV radiation** in support of environmental, energy and health policies
- Pre-operational **CAMS Emissions verification Service**: pollutants and GHG (incl. CH₄) emissions
- Data access via the **Atmosphere Data Store (ADS)**
- **Proper operational service**: comes with documentation, quality assurance, user support and training