

Ozone Layer Evolution

Evolution of the Earth's total ozone column, season by season from 1970 to 2023. This animation traces the strongly seasonal evolution of the ozone layer using monthly (here only shown is September) gridded satellite data (some years are missing due to gaps in observational coverage). Each frame shows the total amount of ozone in the atmospheric column above every point on the globe, measured in Dobson Units (DU).

Data is from the Copernicus Climate Change Service (2022) and the Scientific colour map 'davos' is used to represent the data accurately and to all readers.

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- Related reference: Copernicus Climate Change Service, Climate Data Store, (2020): Ozone monthly gridded data from 1970 to present derived from satellite observations. Copernicus Climate Change Service (C3S) Climate Data Store (CDS). DOI: 10.24381/cds.4ebfe4eb (Accessed on 14-Aug-2026)

➡ **Latest version**

