

## 5.140 Access to Emissions Distributions and Related Ancillary Data through the ECCAD database.

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Abstract:

The ECCAD database (Emissions of atmospheric Compounds and Compilation of Ancillary Data) provides a user-friendly access to global and regional surface emissions for a large set of chemical compounds and ancillary data (land use, active fires, burned areas, population, etc). The emissions inventories are time series gridded data at spatial resolution from 1x1 to 0.1x0.1 degrees. ECCAD is the emissions database of the GEIA (Global Emissions Initiative) project and a sub-project of the French Atmospheric Data Center AERIS (<http://www.aeris-data.fr>).

ECCAD has currently more than 2200 users originating from more than 80 countries. The project benefits from this large international community of users to expand the number of emission datasets made available.

ECCAD provides detailed metadata for each of the datasets and various tools for data visualization, for computing global and regional totals and for interactive spatial and temporal analysis. The data can be downloaded as interoperable NetCDF CF-compliant files, i.e. the data are compatible with many other client interfaces.

The presentation will provide information on the datasets available within ECCAD, as well as examples of the analysis work that can be done online through the website:

<http://eccad.aeris-data.fr>. Information on how to get an account and how to access the database and its tools will be given.