

README concerning the ECHAM6-HAMMOZ-related dataset
available via DKRZ /pool/data resources

Date: 17 December 2021

T I T L E O F T H E D A T A S E T

Support for the Aerosol-Chemistry-Climate Model ECHAM6-
HAMMOZ

P A T H T O T H E D A T A S E T

/pool/data/ECHAM6-HAMMOZ or /work/bb1191/ECHAM6-HAMMOZ

O W N E R / P R O D U C E R O F T H E D A T A S E T

The data are maintained by Anne Kubin
(kubin@tropos.de). They were created by Colombe
Siegenthaler-LeDrian (formerly at ETH Zurich).

D A T A U S A G E L I C E N S E

The data are provided for use with the ECHAM6-HAMMOZ
aerosol-chemistry-climate model. By agreeing
to the ECHAM-HAMMOZ license, the use of the ECHAM6-
HAMMOZ dataset available via /pool/data is permitted
for that purpose.

The License can be found here:

https://redmine.hammoz.ethz.ch/projects/hammoz/wiki/1_Licensing_conditions

C O N T E N T O F T H E D A T A S E T

Data is available for different spatial resolutions:
T31, T63, T127.

The variables contained are those required by ECHAM6-
HAMMOZ to be initialized and/or equipped with boundary
conditions during a simulations, e.g. initial climate
conditions, ozone or sea surface temperatures.

Furthermore, the ECHAM6-HAMMOZ project contains
datasets required for HAM and/or MOZ, such as emissions
of aerosols and precursor substances, or photolysis
rates.

The datasets are available in a format specific for
operation with the ECHAM6-HAMMOZ model and are
therefore suited for just this purpose.

D A T A U S A G E S C E N A R I O S

The data are provided for use with the ECHAM6-HAMMOZ
aerosol-chemistry-climate model. Anybody running
ECHAM6-HAMMOZ requires access to this data.

METHODS USED FOR DATA CREATION

The datasets were created using versioned input processing scripts based on several external data sources (ECMWF, AEROCOM community, CEDS community, IIASA, ...).

In most cases, the originators and creation methods of the data files are mentioned in the netcdf-file headers. There is a documentation of the data (for registered users) at the ECHAM-HAMMOZ redmine wiki [https://redmine.hammoz.ethz.ch/projects/hammoz/wiki/2 References](https://redmine.hammoz.ethz.ch/projects/hammoz/wiki/2%20References)

ISSUES

n\a

VOLUME OF THE DATASET (AND POSSIBLE CHANGES THEREOF)

The volume we apply for is 2TB. Currently, the volume is about 1.3TB large. It is possible that this increases in the future with the provision of a new input version or the request for a higher spatial resolution. We do not expect it to exceed 2TB.

TIME HORIZON OF THE DATASET ON /POOL/DATA

ECHAM6-HAMMOZ is used by several groups in Germany, therefore long-term access to these data is required.