

## **Data Requirement and Credit Statement**

by East Asia Focus Working Group of TOAR II as of April 22, 2021

### ▪ **Background**

The EA03 database aims to include ozone measurements from the surface to the tropopause collected from individual institutions, and auxiliary measurements of ozone precursors, emission data, meteorological data, and other geographic data over East Asia.

The EA03 database will not only improve the understanding of ozone over Asia across different spatiotemporal scales, but also provide valuable resources and a framework of community wide collaboration for ozone studies in this region.

To acknowledge the EA03 data providers and make the dataset accessible to a wide range of users, the following guidelines are recommended:

### ▪ **Data requirement**

*Ozone measurement:*

- (1) raw data with quality control would be preferable
- (2) post-processed data with common metrics (e.g. MDA8 ozone) are also acceptable.
- (3) ozone precursor species and meteorological parameters along with surface ozone measurement should follow (1) or (2).

*Satellite products:* processed gridded data (Level 3) would be preferable, and links of Level 2 data repositories should be provided.

*Field campaign data:* descriptions of data and PIs contacts should be provided at least.

*Emissions/Meteorology/Others:* links and descriptions of data repositories or PIs contacts should be provided at least.

### ▪ **Credit statement**

Since there will be different kind of measurement data from multiple sources, we are proposing three levels for data sharing, which is applicable to all the measurement data in the EA03 database.

*Level 1:* users can freely download the data without further notice to data provider;

*Level 2:* users can freely download the data but need to notify the data provider and make acknowledgement in their publications;

*Level 3:* users must contact the data provider for any use before they can download the data.

Publishing data from EA03 database:

1. For TOAR assessment reports contributed by our WG:

## *EA03 Database in support of TOAR II*

We are happy to provide authorship on the TOAR II publications once the data are accepted in the EA03 database.

2. For any other publications:

(1) If using data with Level 1 or Level 2, there is no requirement but it is suggested to offer co-authorship to data provides if EA03 database contributes a lot to your work.

(2) If using data with Level 3, it is determined by the data provides if a co-authorship is needed.

(3) If the EA03 database are a principal component of the paper then co-authorship to data provides should be offered.