SHARE
Data Sharing and Publication Policy

INTRODUCTION

SHARE - *Stations at High Altitude for Research on the Environment* - is an integrated Project for environmental monitoring and research in the mountain areas of Europe, Asia, Africa and South America responding to the call for improving environmental research and policies for adaptation to the effects of climate changes, as requested by International and Intergovernmental institutions.
SHARE is an international project promoted by Ev-K2-CNR, with the support of Italian and International research institutions and in collaboration with the Italian National Research Council and the United National Environment Program (UNEP).
SHARE data policies are guided by the fundamental principle that cooperation and synergism should be maximized in all SHARE activities.
To ensure that all SHARE partners could have access to the data in a timely manner and that appropriate credit could be given to the Investigators, we defined this data policy that will be adopted by the entire SHARE project, including SHARE pilot projects.

SHARE data policies will guide data sharing, publication citations and acknowledgments, investigators access to restricted data and will promote the exchange of quality controlled / quality assured data. Cooperation across different thematic areas and among researchers should be encouraged.

SHARE DATA SHARING AND PUBLICATION POLICIES

1. **Data management**
   Data generated by SHARE will be permanently archived in Italy, at Ev-K2-CNR Headquarters in Bergamo. The SHARE Information System (SIS) will provide tools for documenting, storing, searching and distributing these data.
   The data will be stored in two different levels in function of their quality control:
   <u>Level 0</u>: Raw data of the instrument. Essentially all parameters an instrument provides as they come out of the instrument in original temporal resolution.
   <u>Level 1</u>: Processed data. Data with processed temporal resolution and formatting applied contains parameters carrying a physical meaning and also derived parameters (e.g. Td, q, U, V). For each observation a flag is provided: G (Good), B (Bad), D (Dubious), I (Interpolated), M (Missing), Y (Inconsistent). Missing data, denoted by "M", are indicated by "-999.99".

2. **Availability of data users'**
   Levels 0 data distribution will be restricted to SHARE Ev-K2-CNR researchers only. SHARE data of Level 1 will be available to all Users.

3. **Data standard**

Data recorded from SHARE Stations and Observatories are complied in accordance with the standard of different international programmes as like as ABC, AERONET, CEOP, GAW, etc. according to the kind of datum and the field of study.

5. **Timing for SHARE Data release**

Each SHARE WP and sub-WP leader (e.g. WPx and WP1.x) is responsible for data delivery and database updating in agreement with the own module. Time limit for data delivery to SHARE SIS will be no more than 1 year.

Individual researchers may make their own data more widely available at any time. Outside investigators may be given access to this data as soon as the data have been submitted to the SIS, with some prudent time period for quality control.

6. **Acknowledgment and Citation**

Publications using SHARE data are requested to include acknowledgement citation related to SHARE project and Ev-K2-CNR. Appropriate versions of the following sentence are recommended:

"*This study was carried out using the data collected within the SHARE Project, promoted by Ev-K2-CNR and funded by Italian Ministry Education, University and Research through the Italian National research Council*"

7. **Co-Authorship for SHARE References**

Publications resulting from work under SHARE should be co-authored by all scientists who have participated substantially in the work, unless some participants choose not to be on the authors list. The same criteria is applied to presentations at meetings. Users of unpublished data should contact data providers well in advance the production and submission of the manuscript, in order to inform the providers of intended use.

Where data are used for modeling or integrating studies, the scientist collecting the data will be credited appropriately, either by co-authorship or by citation. Data collectors should be informed of publication plans well in advance the submission of a paper, given an opportunity to read the manuscript, and be offered co-authorship. In cases where data from other investigators are a minor contribution to a paper, this data should be referenced by a citation. Users of data will always have to state the source of the data.

8. **Authors, co-authors and developing countries**

Special effort by each WPs researcher leaders should be put into integration of Asian, African and South America researchers in their work and in the publication of the results.

9. **Copy of the publications**

Author(s) who use SHARE data for scientific publications in international journal or oral/poster presentations of scientific results shall sent a copy of the respective contribution in electronic form to the Ev-K2-CNR Secretariat in order to update the SHARE publication library.

10. **No Commercial Use or Exploitation**

It is understood that all SHARE data shall be delivered to end users for non-profit use and scientific studies in accordance with SHARE objectives only. Commercial use and exploitation by the data users is forbidden, unless specific permission obtained from data providers concerned in writing.