

## *The MOSAI Data and Publication Policy*

Model and Observation for Surface Atmosphere Interactions (MOSAI) project brings together research scientists who work with an experimental or a modeling approaches to better understand the interactions over a heterogeneous landscape, to improve the model evaluation with long-term data and the coupling between surface and atmosphere in the numerical models.

The aims of the *MOSAI Data and Publication Policy* are

- (1) to ensure rapid exchange of data and results between the MOSAI partners,
- (2) to define mutual rights and obligations of data producers and data users, and in particular to ensure that MOSAI contributing scientists are associated to the scientific studies using the data they produced,
- (3) to help monitoring the scientific production of the project,
- (4) to ensure that MOSAI data are preserved and made available after the end of the project.

The present data and publication policy covers the measurement data collected during the MOSAI field campaigns and the data from numerical simulations. Three field campaigns are planned :

- May 2020 to May 2021 at Météopole.
- October 2021 to September 2022 at SIRTa,
- December 2022 to November 2023 at P2OA.

The access given to the data through this policy allows the sole and direct use of the data for scientific and educational activities. This categorically excludes the redistribution of data to third parties and the usage for commercial applications. Any commercial use of a dataset should be negotiated directly with the owners of the dataset, who generally are those who have paid for the data collection. The contact for such an agreement is the dataset principal investigator whose name is mentioned in the Metadata.

The data were originally collected for specific purposes and no warranty is given as to their suitability for use by the recipient. The database centers, the data owners and the data principal investigators have no liability for any loss, damage, claim, demand, cost or expense directly or indirectly arising from any use, receipt or supply of data under this agreement.

### **Principal investigator's obligations and rights**

➤ Principal investigators (PI) are associated with an instrument from instrument deployment and data collection, to data processing and transfer to the MOSAI database. A principal investigator is the scientist responsible for the instrument or any person (collaborator, student) that he/she may suggest.

➤ Metadata files must be created or completed by the PI using the on line instrument registration form. Data supply to the MOSAI database must be done using http deposit procedure. PIs are highly advised to provide data files written in the NetCDF format respecting CF conventions. But ASCII column files fully documented and self descriptive will be accepted too.

➤ Raw or preliminary data must be made available to other project participants as soon as possible. Quality controlled data must be submitted by 6 months after the end of the MOSAI EOP :

1. by 31<sup>st</sup> October 2021 for the dataset acquired at Météopole,
2. by 28th February 2022 for the dataset acquired at SIRTa

3. by 30<sup>th</sup> April 2023 for the dataset acquired at P2OA.

- A dataset can be updated at any time. The PIs are responsible for providing the best quality version of the dataset to the MOSAI database. Information on the evolving versions given by the PIs will be kept updated on the data base web site by the data base manager.
- The measured and simulated datasets are available to any users as soon as they are uploaded in the database.
- The PIs are invited to propose an acknowledgment sentence which will be used in publications using the supplied data. This acknowledgment sentence should appear in the metadata.
- The PIs are invited to refer to the database managers in case of any data misuse.

### **Data users obligations and rights**

- Only metadata and MOSAI QL Center website can be accessed by non-registered users.
- Users wishing to get access to the MOSAI database are required to fill in an on line registration form including an abstract about the intended work, and to sign the data use rules. During the reserved access period, only MOSAI participants will be registered. Afterwards every person signing the present data policy will be registered.
- MOSAI data are delivered royalty free to the registered users for the sole purpose of scientific studies and educational activities. Commercial use or exploitation of MOSAI data received through the present policy is prohibited.
- Any re-export or transfer of MOSAI data received through the present data and publication policy to a third party is prohibited.
- Data users are expected to directly contact the PI of the data in order to offer collaboration. Any access to a dataset will automatically trigger an e-mail to the dataset PI so that he/she is aware of who intends to use the data.
- Depending on the significance of the dataset in the work published and the actuality of a scientific collaboration, any publication using MOSAI data will have to be either co-signed by the data PI or at least his/her contribution acknowledged.
- The institutions funding MOSAI project have to be acknowledged in any publication or communication using the data and/or leaning on MOSAI project. A general paragraph of acknowledgment is proposed, which should be included in the acknowledgment in each publication that is based on MOSAI database: ***“MOSAI project is funded by French ANR (Agence Nationale de la Recherche) and takes advantage of long-term measurements acquired at ACTRIS (Aerosol, Clouds and Trace Gases Research Infrastructure) and ICOS (Integrated Carbon Observation System) instrumented sites. The MOSAI database and website are maintained by the French national center for Atmospheric data and services AERIS (<https://mosai.aeris-data.fr/bllast-supports/>). ”***

For each dataset, a specific acknowledgment sentence can be added by the corresponding PI, which is mentioned in the metadata.

- Any publication based on MOSAI data shall be transmitted in electronic form to the MOSAI steering committee three weeks before the submission to a journal.