

MOZAIC DATA PROTOCOL



MOZAIC is an European project based on funding from the European Commission under Framework Programme 4 and 5 (1993-2003) and on national funding (CNRS-France, FZJ-Germany, 1993-2006). This Data Protocol regulates data delivery, data exchange and the interaction between MOZAIC Principal Investigators (PIs) and MOZAIC co-Investigators (co-Is), and it addresses issues such as rights for internal and external use of data, and the settlement of disputes. MOZAIC Principal Investigators who have in charge to conduct the programme are identified below:

Principal Investigators of the MOZAIC programme:

Jean-Pierre.Cammas@aero.obs-mip.fr, LA/CNRS, Toulouse, France
Fernand.Karcher@meteo.fr, Météo-France, Toulouse, France
Kathy.Law@aero.jussieu.fr, SA/IPSL, Paris, France
Philippe.Nedelec@aero.obs-mip.fr, LA/CNRS, Toulouse, France
Vincent-Henri.Peuch@meteo.fr, Météo-France, Toulouse, France
h.smit@fz-juelich.de, FZJ, Jülich, Germany
Valerie.Thouret@aero.obs-mip.fr, LA/CNRS, Toulouse, France
A.Volz-Thomas@fz-juelich.de, FZJ, Jülich, Germany

Coordination
Data base
Modelling
O3 & CO instruments
Modelling
Water vapour data
O3 & CO data
NOy data

The aims of the protocol are: a) to encourage rapid dissemination of the scientific results from MOZAIC; b) to uphold the rights of the individual scientists; and c) to have all involved researchers treated equitably. These aims conflict at times, and it is hoped that the provisions of the protocol resolve these conflicts fairly. It is recognized that this cannot always be achieved to everyone's complete satisfaction; there are bound to be cases where individual interests clash with those of the programme. The two cases which we hope to avoid are the hoarding and poaching of data. To try to meet these aims, all Principal Investigators, in accordance with and on behalf of their co-investigators, must sign that they will abide the following conditions.

A. Measurements

i) Final versions of MOZAIC data should be sent to Météo-France data Centre by Laboratoire d'Aérodologie and FZJ as soon as validated. The data files should be in the MOZAIC format fixed by Météo-France.

Data must be made available to scientists as soon as possible. There are 2 advantages to quick release: a) planning of the future development of the programme can be greatly improved, and b) scientific evaluation of the data can occur in a timely manner. Any corrections/amendments to the preliminary data should be announced as soon as possible. It is the Principal Investigator's responsibility to ensure that the data used in publications are the best available at that time.

ii) Confidentiality - Memoranda of Understanding were signed by Airbus Industries and the Airlines involved in MOZAIC Programme : Air France, Sabena, Austrian Airlines, Deutsche Lufthansa, concerning the warranties on data utilization. These memoranda were completed by an agreement between Airbus Industries and the Centre National de la Recherche Scientifique, referring to access and use of MOZAIC data. The Principal Investigators and their co-investigators agree to have access to the data contingent upon the following conditions: a) statement of scientific purpose from the party requesting the information; b) assurance of non-disclosure of data to other third parties; c) confirmation of use of the data for scientific information only.

MOZAIC data and data elaborated by Météo-France, or provided by European bodies (ECMWF, EUMETSAT,...) and put into the MOZAIC central data bank by Météo-France, are available to all MOZAIC Principal Investigators (PI) and co-investigators (Co-I) under the following conditions :

iii) Any commercial use of the data is forbidden.

iv) **The PIs and Co-Is are not allowed to issue directly the data to other users.** In particular, the data should not be made available for public access on Internet. It must be borne in mind that measurements and model results remain the property of their provider and/or originator. Contributing airlines have their own rights because of the free transportation. Results on the research work made by Co-Is, using the above defined data, are to be communicated to MOZAIC PIs which will have the free use of these results.

B. Model studies

i) Results of model studies, using data acquired during MOZAIC Programme, must be made available to MOZAIC PIs as soon as possible. Any correction/amendment to these preliminary results should be announced as soon as possible. It is the Principal Investigator's responsibility to ensure that model results used in publications are the best available at that time.

C. Publication, co-investigators and collaborations

i) Publication of results in the scientific literature is encouraged at any time during and after MOZAIC Programme, as long as conditions of the data protocol are met.

ii) MOZAIC co-investigators will formally get access to the data from the data base when they have signed the MOZAIC data protocol. All co-investigators involved in the use of MOZAIC data are to have equal and complete access to measurements produced during the MOZAIC Programme. All co-investigators of the MOZAIC database are expected to be associated with MOZAIC relevant PIs, to invite the PIs to be co-author on any papers written using his/her/their dataset and/or model validation results, or at least allow them the opportunity to review the use of the data and conclusions drawn from it.

iii) Each Principal Investigator has the right to refuse to allow his work, whether measurement or calculation, to be used in another publication prior to his publication of that work.

iv) The responsibility for the method with which data and model results are disseminated will rest with the MOZAIC Scientific Committee.

v) A registry of the MOZAIC users will be kept on the MOZAIC web site (<http://www.aero.obs-mip.fr/mozaic/>).

vi) Example of recommended acknowledgements for publications using MOZAIC data: ***The authors acknowledge for their strong support the European Commission, Airbus, CNRS-France, FZJ-Germany and the airlines (Lufthansa, Air France, Austrian and former Sabena who carry free of charge the MOZAIC instrumentation since 1994).*** In all publications using the data either of Météo-France, or ECMWF or EUMETSAT, these bodies must be duly acknowledged. Should the above conditions not be fulfilled, Météo-France is entitled to ask for the payment of the data used, at a commercial rate.

The undersigned agree to the conditions of the MOZAIC data protocol.

Name of scientist acting as Co-investigator:
Position (PI, Post-doc, student, ...) :
Institution :
Address:
Email:
Date:
Signature:

Name(s) of associated MOZAIC PI(s):

Please return to:

MOZAIC Secretariat c/o Jean-Pierre Cammas
Laboratoire d'Aérodynamique, Observatoire Midi Pyrénées
14 Avenue Edouard Belin 31400 Toulouse France
eMail : Jean-Pierre.Cammas@aero.obs-mip.fr