7TH FRAMEWORK PROGRAMME (FP7)
COLLABORATIVE PROJECT
ATMOSPHERIC PROCESSES, ECO-SYSTEMS AND CLIMATE CHANGE
ENV.2013.6.1-2
GRANT AGREEMENT NO. 603557



Stratospheric and upper tropospheric processes for better climate predictions

Data Protocol

Adopted: 17 October 2016

1. Introduction

1.1. STRATOCLIM is an EU-FP7-Collaborative Project funded by the European Commission. This data protocol regulates data delivery, data exchange and the interaction between measuring and modelling participants, and it addresses issues such as rights for internal and external use of data, guidelines for standard data formats and the settlement of disputes. Intellectual Property Rights are covered by the EC Grant Agreement and the STRATOCLIM Consortium Agreement (see art.9.1).

1.2. The aims of the STRATOCLIM data protocol are:

1.2.1. to encourage rapid dissemination of the scientific results from STRATOCLIM

1.2.2. to uphold the rights of the individual scientists

1.2.3. to have all involved researchers treated equitably.

1.3. To meet these aims and in order to gain access to the STRATOCLIM foreground (data and results), all STRATOCLIM scientists (principal investigators and co-investigators) must comply with the below conditions.

2. General Conditions

2.1. A preliminary STRATOCLIM database will be installed and maintained at Forschungszentrum Jülich (JÜLICH). There will be links to additional data, such as satellite and model data from the STRATOCLIM web site at JÜLICH

2.2. A registry of the STRATOCLIM scientists will be kept on the JÜLICH web site. All scientists on this registry have a right to equal and complete access to measurements and model results produced within STRATOCLIM upon signing this Data Protocol.

2.3. Redistribution of foreground, other than one's own, to third parties is not permitted under this Data Protocol.

2.4. During the active phases of STRATOCLIM (principally field campaigns, but also any period designated by the executive committee), each PI involved is obliged to submit to the WP leader a short report describing activities carried out during the active phase.

2.5. Data users who find irregular features in the data or suspect errors must inform the data provider immediately. The data provider has the responsibility of informing the STRATOCLIM community of any problems with the data.

3. Measurements

3.1. Preliminary data obtained within STRATOCLIM must be made available to other STRATOCLIM scientists as soon as possible, and no later than 3 months after the

data was collected. There are two advantages to quick release: a) Future planning can be greatly improved, and b) scientific evaluation of the data can occur in a timely manner.

3.2. Any corrections/amendments to the preliminary data should be made as soon as possible.

3.3. It is the Principal Investigator's responsibility to ensure that the data used in publications are the best available at that time.

3.4. Measurement data of the Arctic Match campaigns that are stored at the STRATOCLIM database at JÜLICH will be subject to the same conditions, stipulated in this data protocol, as the other STRATOCLIM experimental data. Involvement in STRATOCLIM does not, however, conflict with other commitments within the network. For example, ozone sonde data can be part of the STRATOCLIM database and simultaneously be submitted to the World Ozone Data Centre, the database for the Network for the Detection of Stratospheric Change. PIs from Arctic Match campaigns storing data in STRATOCLIM database will be added to the STRATOCLIM registry (see 2.2) and can have an access to the data already during the lifetime of STRATOCLIM upon signing this data protocol.

4. Model Studies

4.1. Results of model studies using data acquired during STRATOCLIM must be made available to other STRATOCLIM scientists as soon as possible and upon request. Links to relevant model data sets must be published in the STRATOCLIM database within 3 weeks of the submission of the data so that STRATOCLIM scientists can get easy access to the data.

4.2. Corrections/amendments to the preliminary results should be made available as soon as possible.

4.3. It is the Principal Investigator's responsibility to ensure that model results used in publications are the best available at that time.

5. Documentation of Data Sets

5.1. All data sets should be documented and formatted according to the standard determined by the STRATOCLIM Executive Group. The documentation must be submitted to the database simultaneously with the data sets. Metadata for given measurement site or region is also part of the central STRATOCLIM database at JÜLICH. All metadata must consist of the following main elements: (i) Title, (ii) Authors/owners, (iii) Introduction (incl. objectives), (iv) Theory and type of measurements, (v) Equipment (incl. instrument description, calibration, procedures),

(vi) Observations, (vii) Parameter/variable description, (viii) Data manipulations, (ix) Errors, (x) Notes, (xi) References, and (xii) Glossary of acronyms.

5.2. For practical reasons it may be better to store some large data sets at locations other than JÜLICH. Submission and storage of STRATOCLIM data sets outside the project database must be agreed upon by the STRATOCLIM Executive Group. Complete metadata on those data sets must be made available at the JÜLICH web site within three weeks of the submission of the data so that STRATOCLIM scientists can get easy access to the data.

6. Publication

6.1. Publication of results in the scientific literature is encouraged at any time during STRATOCLIM, as long as conditions 2-6 below are met.

6.2. If measurements/model results from other research groups within STRATOCLIM are used in a publication, joint authorship must be offered. Lead author is responsible for informing the data provider about planned publications in due time before submission.

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

6.4. It is the responsibility of the lead author on all publications to have the explicit agreement of all co-authors and other data contributors prior to submission.

6.5. Data from the European Centre for Medium-Range Weather Forecasts (ECMWF) is available to all STRATOCLIM scientists who sign the separate ECWMF protocol, which forbids dissemination to third parties (i.e. those who are not members of STRATOCLIM and have not signed the ECMWF protocol). The ECMWF must be duly acknowledged in all appropriate publications.

6.6. Proper acknowledgement to the European Commission must be given in all STRATOCLIM publications or publications using any STRATOCLIM data by using the following sentence: *The research leading to these results has received funding from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 603557.* In case that other agencies supported the work, they must also be acknowledged.

7. Public Release

7.1. Presentations of STRATOCLIM results in public meetings and press releases may be made subject to approval by the co-authors.

7.2. Proper acknowledgement of the STRATOCLIM project and the funding agency must be given in all publicly released materials using data or results from the project by using the following sentence: *The research leading to these results has received funding from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 603557 AND / OR using the official STRATOCLIM and EC / FP7 logos*.

7.3. Major press releases on findings from the joint measurements will be agreed upon and initiated by the STRATOCLIM Executive Group.

8. Associate scientists and collaborations

8.1. Individual scientists, other than participants in the Arctic Match Campaign, wishing to collaborate with STRATOCLIM must provide a short written description of their interest to the relevant Activity and/or Work Package Leaders. Upon deliberation the Activity and/or Work Package leaders introduce the interest in STRATOCLIM Executive Group meeting, which will make the final decision in the matter. All partners will be notified of this decision and will have the chance to present written objections to the STRATOCLIM Executive Group, which will consider the matter further. In the event of unresolved dispute, the matter can be referred to the STRATOCLIM General Assembly. All individual scientists who collaborate with STRATOCLIM must sign the STRATOCLIM Data Protocol and abide by its conditions.

8.2. Effective and productive collaborations between STRATOCLIM scientists and other projects are strongly encouraged. All collaborations must be approved on a case-by-case basis by the STRATOCLIM Executive Group, e.g. through data sharing agreements. All STRATOCLIM scientists must abide by the conditions of any data exchange agreement agreed by the Executive Group and other collaborating projects.

9. Intellectual property rights

9.1. Intellectual property rights, including the ownership of data, are laid down in the Grant Agreement between the European Commission and STRATOCLIM coordinator and in the Consortium Agreement between the STRATOCLIM project partners. All signatories to this data protocol must abide by the conditions of the STRATOCLIM grant agreement with the EC and the Consortium Agreement regarding ownership of data and Intellectual Property Rights.

10. Settlement Of Internal Disputes

10.1. Any disputes about the use of other groups' data, particularly with respect to publications, will be resolved by the STRATOCLIM Executive Group or failing that by the General Assembly.

The undersigned agrees to the conditions of this data protocol.

Name_____

Institute_____

Position (PI, Postdoc, student, etc.)_____

Address_____

Email_____

Date and Place_____

Signature_____

Please return 1 electronic copy and 1 original copy to:

Leena-Kaisa Viitanen
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For electronic copy: stratoclim-coord@awi.de