Privacy Notice – Scientific Research

This privacy notices describes how we process your personal data in compliance with data protection legislation. In data protection legislation, the term “data subject” refers to the person whose personal data are processed. In this privacy notice, we refer to data subject as “you” and controller as “we”.

This privacy notice may be updated or edited if necessary. You will be notified of any significant changes as mandated by data protection legislation.

This privacy notice came into force on 16.11.2026.

1. Controller

The controller of the research project is:

Tampere University Foundation sr. (Tampere University)
Business ID: 2844561-8
Kalevantie 4 FI-33100 Tampere, Finland

The research project will be conducted by salaried employees of Tampere University Foundation (Tampere University).

The contact person for questions concerning data processing is Professor Jonathon Taylor, who can be reached at jonathon.taylor@tuni.fi or +358 50 591 4794. Tampere University’s switchboard can be reached at +358 (0) 294 5211.

If you have general questions about data protection at Tampere University, please email our Data Protection Officer at dpo@tuni.fi.

2. Scope and purpose of data processing

Name of the research project: ATMOPOLIS: Air and Noise Pollution Mitigation Through Integrated Society-Centred Actions

This is a one-time research project that will last until 31.12.2029.

We will process your personal data as part of a research project. The purpose of processing your personal data is to conduct the research project specified above.

The study is part of the ATMOPOLIS project (Air and Noise Pollution Mitigation Through Integrated, Society-Centred Actions). The study investigates connections between air pollution

levels in and around homes, household characteristics and measurements from official air quality monitoring stations.

During this research project, personal data will be processed by members of the Urban Physics research group at Tampere University for the purposes of communicating with the study participants, arranging measurements, and combining the data collected during the study (air pollution and environmental parameter measurements, household characteristics, and questionnaire responses). Participants will be assigned a study identifier (Household ID), and research data will be processed in pseudonymised form (without direct identifiers tied to the data) whenever possible. Access to personal data will be restricted to authorised researchers involved in the study.

Names and contact details will be stored separately from research data. Your home address will be used for assigning the nearest suitable official air quality monitoring station to your study identifier. Questionnaire responses will be linked to measurement data using the study identifier.

The principal investigator (Professor Jonathon Taylor) is responsible for overseeing the research project. The research group may also be assigned to serve as the principal investigator, with its members participating in conducting the research project.

The research findings will be reported in a manner that does not reasonably permit the identification of individual research participants or households. The findings are intended to the published in relevant scientific outlets (such as journals, conferences, and research data repositories) and in the ATMOPOLIS project reports and deliverables.

3. Lawful basis for processing personal data

The lawful basis for processing your personal data is:

A task carried out in the public interest: scientific research.

4. Sources and types of personal data

Depending on the circumstances, we may collect personal data either directly from you or from other sources. We will collect data from:

You as the data subject

<u>We will process the following types of personal data:</u>

General personal data**:**

- Name
- Email address
- Phone number

- Home address
- Signature/handwriting
- Your household characteristics
    - Number of occupants
- Your dwelling characteristics
    - Building year
    - Ventilation type
    - Room characteristics
    - Instrument placement
- Your heating appliances and their characteristics
    - Types of appliances
    - Locations
    - Heating fuels
- Your household's typical air pollution related behaviours
    - Cooking fuels and frequency
    - Frequency of fireplace/stove use
    - Presence and use of other air pollution sources and related activities
- Environmental measurement data in and around your home
    - Particulate matter related parameters
    - Nitrogen oxides
    - Volatile organic compounds
    - Carbon dioxide
    - Temperature
    - Relative humidity

We will process data on the following categories of data subjects: **research participants.**

5. Transfer and disclosure of personal data

Under certain circumstances, your personal data may be transferred to a third country or an international organisation located outside the European Union (EU) or the European Economic Area (EEA). During such transfers, personal data will be appropriately protected by employing suitable transfer mechanisms (such as standard contractual clauses) and technical measures.

Your personal data will not be transferred outside the EU/EEA.

Your personal data will not be regularly disclosed to other controllers.

6. Protecting personal data

Your personal data will be protected using appropriate technical and organisational measures. We will protect your data through technical measures, including antivirus software, firewalls and

regular software updates. Users who can access personal data are required to log in with a username and password or, in some cases, with multi-factor authentication.

We will also protect your data through organisational measures. Our staff are obligated to maintain confidentiality, and access to data is restricted. If necessary, we will implement additional safeguards to protect data, such as separate storage locations.

Any physical documents will be safeguarded by storing them in locked facilities.

Material will be:

Collected with direct identifiers: Consent form, participation interest form
Collected without direct identifiers: Measurement data, questionnaires
Pseudonymised after collection: The participants will be given a Household ID to remove direct personal identifiers being directly linked to instruments and research data.

Stored with personally identifiable information, which is necessary for the following reasons:

Only the consent forms (stored physically and backed up on an encrypted drive disconnected from any network) will contain both the Household ID together with participants' contact information for the purpose of contacting participants during the study in case of sensor malfunction, for the purpose of collecting the equipment after the measurements, and for sharing results to participants.

Other collected data will be stored separately from direct identifiers and pseudonymised using the household IDs.

7. Retention period for personal data

We will retain your personal data for only as long as necessary, as determined on a case-by-case basis. The retention period also depends on the requirements set out in data protection legislation. We will adhere to our Data Management Plan and all applicable legislation when determining the retention period of personal data.

Your personal data will be retained as follows:

Personal data (name, phone number, email and postal code area) collected in the study participation interest form will be destroyed within two weeks after retracting interest or not being selected for the study.

For participants, document containing your physical address will be destroyed three years after the end of the project (end of 2032). Consent forms containing personal data (name, phone number, email address, signature) will be destroyed three years after the end of the project (end of 2032).

Raw data without direct personal identifiers (measurements, questionnaire answers) collected in the study will be stored in digital form in the university for three years after the project ends (until the end of 2032).

After the research project has been completed, the research records containing personal data will be:

Anonymised and archived without personally identifiable information.

The anonymised research data will be published in an open-access repository (Zenodo) after the study results have been published.

8. Profiling and automated decision-making

We will not use your personal data for profiling or automated decision-making.

9. Data subjects' rights and how to exercise them

Data protection legislation affords certain rights to data subjects, depending on the lawful basis for processing their personal data. Under certain circumstances, your rights may be restricted, for example, due to our legal obligations or if personal data are processed for scientific research, statistical or archiving purposes. If your rights have been restricted, we will implement appropriate and necessary technical and organisational measures to protect your privacy. As a data subject, you have the following rights which you can exercise by sending us a request.

Right of access

You have the right to request confirmation of whether we hold your personal data and to receive a copy of the data we hold.

Right to rectification

You have the right to request that any incorrect or incomplete personal data we hold about be revised or supplemented. You can also request to have any unnecessary personal data erased from our records.

Right to erasure

You have the right to request the erasure of your personal data from our records (“right to be forgotten”) under certain circumstances.

Right to restrict processing

You may have the right to restrict the processing of your personal data in certain cases defined by law. For example, this right may apply if you believe the personal data we hold about you is

incorrect or that your data are being processed in violation of data protection legislation, or if you have opposed the processing of your data.

Right to object

In certain circumstances, you have the right to object to the processing of personal data on grounds relating to your particular situation.

Right to data portability

Under certain circumstances, you have the right to request that the personal data you have provided be transferred to another system.

Right not to be subject to automated decision-making

You have the right not to be subject to decisions based solely on automated processing (such as profiling) that produce legal effects concerning you or otherwise similarly and significantly affect you. However, there are exceptions to this prohibition.

Withdrawing consent

If your personal data is being processed based on your consent, you have the right to withdraw your consent at any time.

Right to lodge a complaint with a supervisory authority

You have the right to lodge a complaint with a supervisory authority (Data Protection Ombudsman), if you believe that the processing of your personal data violates data protection legislation.

Office of the Data Protection Ombudsman
Street address: Lintulahdenkuja 4, FI-00530 Helsinki, Finland
Postal address: PO Box 800, FI-00531 Helsinki, Finland
Switchboard: +358 29 566 6700
Fax: +358 29 566 6735
Email address: tietosuoja@om.fi